

# PRESS COVERAGE 2023

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**“AS A TESTAMENT TO OUR INFLUENCE, JOURNALISTS WORLDWIDE HAVE PUBLISHED OVER 650 ARTICLES ABOUT SARENS, MARKING ONCE AGAIN FOR OUR MARKETING & COMMUNICATIONS DEPARTMENT A HISTORIC MILESTONE THAT WE CELEBRATE WITH PRIDE.”**



Dear Sarens friends,

In the remarkable year of 2023, Sarens achieved unparalleled success, completing outstanding projects worldwide and earning recognition through numerous awards. Our commitment to being a global leader in crane rental services, heavy lifting, and engineered transport remains steadfast. The accolades received have fueled our determination to persist in our mission. As a testament to our influence, journalists worldwide have published over 650 articles about Sarens, marking once again for our Marketing & Communications department a historic milestone that we celebrate with pride. This achievement is not merely a culmination but the continuation of a new era that we entered a few years back, establishing Sarens as a pioneering contributor in engineering journalism.



True to our annual tradition and rendezvous with you all, we present a comprehensive look book featuring articles from across the globe, providing our Sarens friends with an overview of the extensive coverage we've received in 2023. Achieving this level of Press coverage is no small feat, requiring diligent collaboration with publications in various languages and countries. At Sarens, we recognise our responsibility to the scientific community, the heavy-lifting industry, and our clients, not only to enhance our practices but also to share knowledge for collective improvement.

Special thanks go to our Press contacts who sought information about our projects and the global challenges posed by factors such as gas prices, the continued war in Ukraine, and the current Israel-Gaza crisis. To new Press contacts, we extend an invitation to inquire about Sarens' rentals, global projects, and other scientific aspects within our expertise. We express deep gratitude to the unsung heroes behind our success—engineers, sales professionals, research and development experts, operators, and all contributors who illuminate their work, elevating our brand. From the bottom of our hearts, thank you for helping keep our community informed about developments in the heavy lifting and engineered transport industry.

Sincerely,

**KLEOPATRA KYRIMI**  
GROUP MARKETING & COMMUNICATIONS MANAGER

# QUARTER 4

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# SARENS ON HAND TO SUPPORT THE COASTAL VIRGINIA OFFSHORE WIND PROJECT THROUGH TO 2025



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PROJECTS

## Sarens on hand to support the Coastal Virginia Offshore Wind project through to 2025

By Sophie Barnes | 26 January 2024



Engineered transport and heavy lift specialist Sarens supported Virginia International Terminals (VIT) with the load-in of the first batch of monopiles for the Coastal Virginia Offshore Wind (CVOW) farm at the Portsmouth Marine Terminal (PMT).



Source: Sarens

PMT is serving as the hub for the offshore wind project, which is under development by Dominion Energy and will be located some 43-67 km off the coast of Virginia. It will consist of 176 wind turbine generators connected to three offshore substations.

The first eight monopile foundations for the project were delivered to PMT during October last year. Prior to the delivery, Sarens' team in Rostock, Germany, loaded the units onboard the heavy load carrier Sun Shine for transport to the Naval Operations Base in Norfolk. From there, tugs from McAllister Towing guided the ship and monopiles to PMT.

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# 16 AXEL LINES OF SARENS' SPMT K24 FROM TII SCHEUERLE TRANSPORT 360T SUBMARINE THROUGH GDYNIA

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## 16 Axle Lines of Sarens' SPMT K24 from TII SCHEUERLE Transport 360t Submarine through Gdynia

Topic: 360t Submarine, Gdynia, Muzeum Marynarki Wojennej w Gdyni, ORP Sokół, Polish Navy, Sarens, SPMT K24, TII, TII Scheuerle

Towards the end of last year, the Polish submarine, ORP Sokół, made its way through the streets of Gdynia, transported by Sarens on 16 axle lines SPMT K24 belonging to TII's customer Sarens.

Formerly HNoMS Stord the submarine was built in 1966 in Germany for the Norwegian Navy.

The 360-ton submarine was transferred to the Polish Navy in 2002 and retired in 2018.

After a meticulous restoration by the Gdynia Naval Shipyard the ORP Sokół has been transferred to its new base where it will be an open air exhibit at the Muzeum Marynarki Wojennej (Naval Museum in Gdynia)

# SARENS INVOLVED IN THE CONSTRUCTION OF A NEW BRIDGE OVER THE E40 HIGHWAY AT ERPE-MERE



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## Sarens involved in the construction of a new bridge over the E40 highway at Erpe-Mere

January 29, 2024 07:00 PM AEDT | By EIN Presswire

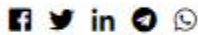


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# MAINTENANCE CONTRACT AT GOLDEN SOUTH WIND FARM AWARDED TO SARENS



News > Cranes Projects & Infrastructure

## Maintenance contract at Golden South wind farm awarded to Sarens

November 8, 2023 By Dan Horne



Photo courtesy of Sarens.

*This wind facility, in operation since March 2022, has a total of 50 Goldwind 4.2MW turbines capable of generating renewable energy for 100,000 homes. Forty of the towers have GWT55 turbines with 76-metre long LZ blades while the remaining 10 towers have GWT36 turbines with 67 metre long blades.*

Sarens, among the world leaders in heavy lifting, engineered transport and crane rental services, has been contributing to the maintenance and repair work carried out at the Golden South wind farm in Assiniboia, Sask.

Sarens has been responsible for the disassembly of the rotor and generator of the affected turbines, for which it utilized a CC6800-1 SH-VLH+LF3 S3 crane unit with a main boom of 107 meters and a 15 metre jib with a 15-degree offset, with a capacity of 142 tons at a 22m radius.

In addition, the Sarens engineering team used an LTM1400-7.1 crane as support to smoothly tail the 101.5-ton rotors located at a height of 110 meters, and the generators, weighing 102.9 tons.

The company responsible for maintenance, selected Sarens for its extensive knowledge and experience in the wind industry worldwide, as well as its advanced machinery, as it was the only company that could locally supply a crane with a lifting capacity of up to 1,250 tons, with an efficient configuration that does not require derrick or superlift to perform the lifts.



# O&G FINDS GROWTH PROSPECTS

## DRILLING DEEPER

**Poised for Progress** In this month's assemblage of articles, we share accounts that take the pulse of the Permian Basin—this nation's greatest hydrocarbons asset. As always, you are invited to sample these article intros below, and go to the *P&G Oil and Gas* website ([pboilandgasmagazine.com/category/drilling-deeper](http://pboilandgasmagazine.com/category/drilling-deeper)) to get the full version of each one.

### O&G FINDS GROWTH PROSPECTS

Thanks to the latest technological advances and the development of new reserves, the country's natural gas resources and reserves are at their peak, standing at their current 3,978 Tcf. Observers foresee a reliable national gas supply going forward, with industry growth anticipated to meet the increased production, processing, and storage that such an abundance demands.

With Texas having already recovered 57,000 jobs from the 83,000 lost in 2020 during the pandemic—35 percent of the sector's total, according to data from the Gulf Coast Energy Outlook 2023, prepared by Louisiana State University—the oil and gas industry in Texas continues to grow and drive the regional economy. This is attested to by the number of active projects in the state of Texas, with more than 160,000 oil wells and more than 85,000 gas wells, according to data from the RRC.

Following the opening of its facilities in Odessa, Sarens, a company specializing in oil and gas plant construction projects, looks to do its part to help achieve energy autonomy in the nation, supporting not just



With the opening of its facility in Odessa, Texas, Sarens is positioned to provide heavy lift, transportation, and engineering support solutions for large projects in the region.

oil and gas development but wind energy as well.

"The Texas facility provides Sarens with a strategic advantage in offering complete heavy lift, transportation, and engineering support solutions for large projects. The industry is now looking to invest millions of dollars in the development of oil drilling and gas liquefaction facilities while expanding existing facilities and Sarens is poised to be part of this expansion process," said Robert Martinez, Sarens' VP of Sales. For the rest of this article, go to [pboilandgasmagazine.com/category/drillingdeeper](http://pboilandgasmagazine.com/category/drillingdeeper) or scan the QR code.



### ACCOUNTING FIRM TO OFFER CYBERSECURITY AND DATA PRIVACY



Jesus Vega

The Dallas-based accounting firm Whitley Penn has expanded its Risk Advisory Services Cybersecurity and Data Privacy practice led by Cybersecurity Managing Director Jesus Vega. Service offerings include conducting Cybersecurity Risk Assessments, CIO Advisory and vCISO Services, Penetration Testing, Data Privacy, and Cloud Services. Organizations need to adopt reliable security technologies and establish strong safeguards to effectively combat enterprise cybersecurity risks.

These services are additionally supported by Risk Advisory Services Partner John Williamson and Managing Director Charles Sulak. Said Williamson: "With the increased sophistication of attackers and the intricate nature of threats, it is imperative for us to expand on this area. Jesus' depth of experience in cybersecurity will offer guidance for our clients so that they can focus on running their business with confidence. We're excited to be able to round out our offering with his support and vision." For the rest of this article, go to [pboilandgasmagazine.com/category/drillingdeeper](http://pboilandgasmagazine.com/category/drillingdeeper) or scan the QR code.



# SARENS ASSISTS IN INSTALLING THE REVOLUTIONARY TECHNOLOGY FOR CANCER TREATMENT IN KAZAKHASTAN

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# ROUND AND ROUND: INSIDE THE LAS VEGAS SPHERE



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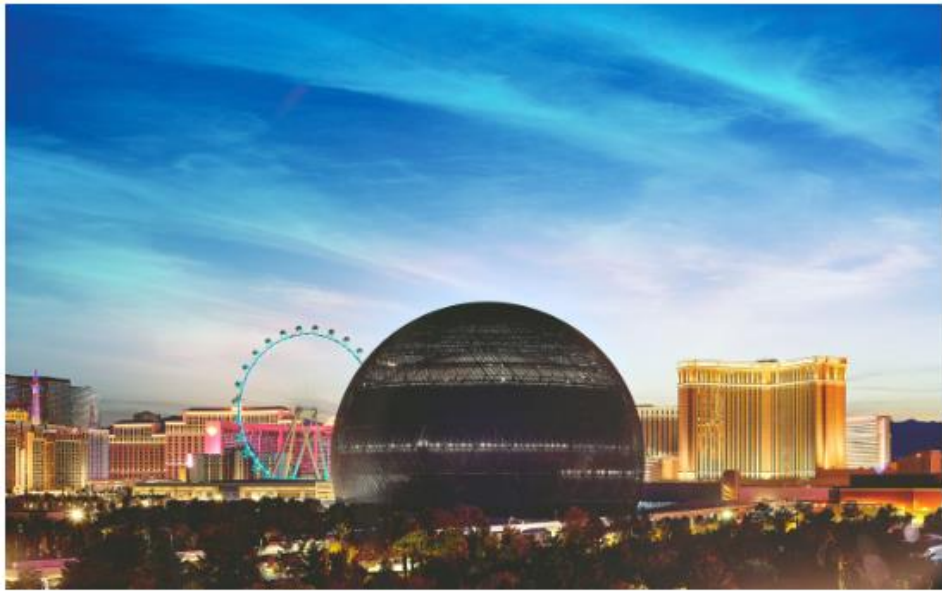
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### Round and Round: Inside the Las Vegas Sphere

By Grace Calengor | Thursday, November 30, 2023

Project Management, Project Scheduling, Commercial, Project Delivery, Markets



How does the typical contractor approach building something taller than the Statue of Liberty, wider than a football field and with the most square footage of LED lighting in the world? Perhaps it's enough to say that Sphere Entertainment Company is not your average contractor—and Sphere in Las Vegas is not your average construction project.

With a budget of approximately \$2.3 billion, Sphere is a massive entertainment venue constructed mainly of steel and

## México aumentó 2.34% la producción de petróleo crudo: Sarens

por Mexico Informa | Nov 28, 2023 | Al Momento, Edgar González, Opinión | 0 Comentarios



Los CAPITALES  
EDGAR GONZALEZ

### Compartir



Contra lo que argumentaron empresarios petroleros mundiales, la producción nacional de **petróleo crudo en México** aumentó un **2.34% al cierre de septiembre de 2023**, alcanzando un **millón 656 mil barriles y, por otro lado, México** está a punto de convertirse en el **cuarto exportador mundial de gas licuado**, gracias a la construcción de dos megaproyectos de licuefacción que superan los **14.000 millones de dólares de inversión**.

Lo anterior demuestra la capacidad de recuperación de la industria y su potencial para una mayor expansión, así lo informaron analistas de \_\_\_\_\_, empresa internacional líder en levantamiento de cargas pesadas y servicios de alquiler de grúas, la cual desempeña

# SARENS CRANES HELP WITH MAINTENANCE OF TURBINES AT SASKATCHEWAN WIND FARM

CRANES & LIFT

## Sarens cranes help with maintenance of turbines at Saskatchewan wind farm

By Heavy Equipment Guide Staff — November 07, 2023



A Demag crawler crane and Liebherr all-terrain crane were used to handle heavy turbine life in Assiniboia, Saskatchewan. (Sarens)

Wind turbine maintenance is a challenge, and requires specific knowledge and capability from crane contractors to ensure the safety and success of the job. When a Saskatchewan wind farm required turbine maintenance, [Sarens](#) was called on to provide that expertise.

The Golden South wind farm in Assiniboia, Saskatchewan, has 50 Goldwind turbines that went to work in March of 2022. They provide energy for more than 100,000 homes in the region. Sarens was called on for disassembly of the rotors and generators on affected turbines, due to its extensive knowledge and experience in the wind industry worldwide, as well as advanced machinery. Sarens was the only company that could locally supply a crane with a lifting capacity of up to 1,250 tons and an efficient configuration not requiring a derrick or superlift.

For the job, Sarens used a Demag CC 6800-15H/LH+LF3 S3 crawler crane that featured a main boom of 107 metres and a 15-metre jib with 15-degree offset. The crane had a 142-ton capacity at a 22 metre radius. To support the crawler crane, a Liebherr LTM 1400-71 all-terrain crane was used to tail the 101.5-ton rotors, located at a height of 110 metres, and 102.9-ton generators.

Weather can be a limiting factor in turbine maintenance, so for added safety Sarens used its special case wind analysis procedure. Lifting tasks did suffer some slight delays due to adverse weather conditions such as strong wind and lightning, that halted operations until suitable windward support in for the crane.

# SARENS WINS THE BLCC GOLDEN BRIDGE AWARD FOR “CARBON REDUCTION”

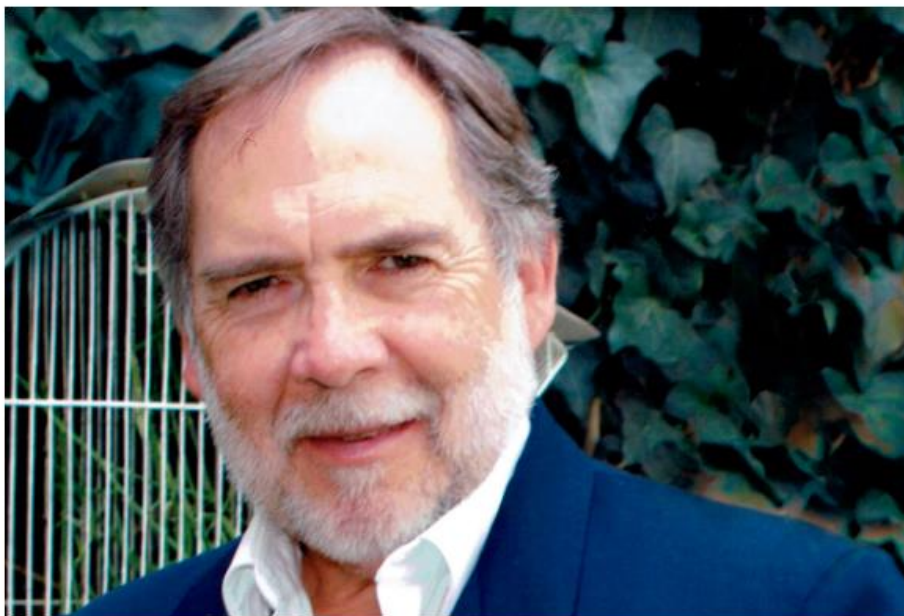


# MÉXICO AUMENTÓ 2.34% LA PRODUCCIÓN DE PETRÓLEO CRUDO: SARENS



## México aumentó 2.34% la producción de petróleo crudo: Sarens

Por Redacción — 28 noviembre, 2023 en Edgar González AA 0



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LOS CAPITALES

Por EDGAR GONZALEZ MARTINEZ

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### LOS CAPITALES: México aumentó 2.34% la producción de petróleo crudo: Sarens

Por Vocero

Por EDGAR GONZALEZ MARTINEZ Contra lo que argumentaron empresarios petroleros mundiales, la producción nacional de petróleo crudo en México aumentó un 2.34% al cierre de septiembre de 2023, alcanzando un millón 656 mil barriles y, por otro lado, México está a punto de convertirse en el cuarto exportador mundial de gas licuado, gracias a la construcción de dos megaproyectos de licuefacción...



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Por EDGAR GONZALEZ MARTINEZ

Contra lo que argumentaron empresarios petroleros mundiales, la producción nacional de petróleo crudo en México aumentó un 2.34% al cierre de septiembre de 2023, alcanzando un millón 656 mil barriles y, por otro lado, México está a punto de convertirse en el cuarto exportador mundial de gas licuado, gracias a la construcción de dos megaproyectos de licuefacción que superan los 14,000 millones de dólares de inversión.

Lo anterior demuestra la capacidad de recuperación de la industria y su potencial para una mayor expansión, así lo informaron analistas de Sarens, empresa internacional líder en levantamiento de cargas pesadas y servicios de alquiler de grúas, la cual desempeña un papel crucial en el crecimiento de la industria mexicana del petróleo y el gas. Por supuesto, su experiencia y conocimiento en proyectos internacionales los convierten en un socio confiable para grandes proyectos a nivel global.

Los analistas de esta empresa mundial nos dijeron que la inversión en la industria de petróleo y gas de México presenta una oportunidad atractiva para inversores nacionales e internacionales, y subrayaron: "la abundancia de recursos, las iniciativas de exportación global y el crecimiento positivo de la producción destacan el creciente potencial de la industria", concluyeron.

Incongruencias de la vida en el gobierno de la Ciudad de México.

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## First phase complete in French rail bridge replacements

Two new rail bridges weighing 1,375t and 949t are set to be lifted into place in France following the removal of their 468t predecessors.

Sarens' SGC90 crane, Little Celeste, is being used to replace the century-old rail bridge sections in Massy as part of the modernisation of the French national rail network.

The first step, completed this month, has involved the removal of the old bridges, the Pont de Chartres for RER Line B and Pont de Gallardon for RER line C. Each weighs 468t.



In the second phase, which begins in August, the two new bridge sections will be lifted into position. The new bridges weigh 1,375t (Chartres) and 949t (Gallardon) and have been preassembled on the other side of the road. The bridge sections will be transported closer to the SGC-90 by SPMTs.

The two new bridges are designed to allow the passage of faster and more efficient trains along the two Paris lines that are used by a total of over 1.5 million people daily. The comfort of local residents will also be improved, with a reduction in traffic noise and vibrations.

Little Celeste landed at the Port of Rouen from Indonesia and was then transported via road in

# SNCF AND RATP USE MASSIVE CRANE FOR OPERATION 'CHAGALL'



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SNCF (Hesou) and RATP are renewing two bridges in Evreux, in the Île-de-France region. The aim of this 116 million euro project, nicknamed operation 'Chagall', which started in 2020, is to improve the performance of RER lines B and C. This large-scale project will require the use of a crane twice the size of the Arc de Triomphe.

For several years now, RER lines B and C, which are among the busiest in the Île-de-France region, have been the subject of massive work and investment. More specifically in the Meaux sector in Evreux, SNCF Hesou and RATP have undertaken work to replace century-old railway bridges. The Hesou Express Régional (HER) is a hybrid commuter rail system serving Paris and its suburbs.

The two-century-old railway bridges, at Charbes and Gallardon, each weighing 480 tonnes, are being replaced by more massive bridges weighing 1,375 tonnes for the future Charbes bridge, and 950 tonnes for the future Gallardon bridge. In the town of Meaux, between Meaux-Verméres and Meaux-Palaiseau stations, have been removed: the Charbes bridge, used by the RER B and exploited by the RATP, was replaced on 19 July and the Gallardon bridge, used by the RER C and exploited by SNCF Hesou, was replaced on 18 July. A crowd gathered to watch the bridge removal operation unfold.

Once installed on 8 and 9 August, the new bridges at Charbes and Gallardon will be equipped with tracks (rails and sleepers) laid on ballast. The removal of these bridges is essential to improve the robustness of traffic in this strategic area of the Île-de-France region, where RER B and C stations, the TGV high-speed train station and two bus stations are located. In the long term, the project will also make it possible to accommodate new, faster, more efficient and higher-

# AWARD OF MERIT, ENERGY/INDUSTRIAL: OCONEE FEEDWATER HEATER REPLACEMENT



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## Award of Merit, Energy/Industrial: Oconee Feedwater Heater Replacement

In just 12 days and one hour, the project team planned and executed the complete replacement of two vertical 60-ton feed water heaters at the Oconee Nuclear Station, which power nearly 2 million homes in the region. A complete laser scan of units to create a 3-D model animation to aid in visualize the process during planning, including identifying non-essential elements that could be removed to create as much work space as possible. With other major maintenance activities underway at the power plant, coordination with those projects was essential, including the movement of various cranes.

A hydraulically-controlled sliding rail system was installed in the heater bay crane aisle to mobilize needed rigging equipment that would be used to lift the old units, and place them on carts for removal. With rocker carts controlling movement at the bottom of the heaters, a remotely operated temporary loading device (TLD) enabled the team to execute precise movements throughout the operation.

# EXCELLENT PLANNING AND FOCUS ON SAFETY LEAD TO SUCCESSFUL FEEDWATER HEATER REPLACEMENT PROJECT

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Sep 1, 2022  
by Roddy Phillips

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Nuclear

## Excellent Planning and Focus on Safety Lead to Successful Feedwater Heater Replacement Project

*Nuclear power plant outages are filled with intense work and tight schedules. A feedwater heater replacement project at Duke Energy's Oconee station in South Carolina shows how teamwork coupled with excellent planning and a focus on safety can lead to success.*

Feedwater heaters (FWHs) are an integral part of a nuclear power plant's thermodynamic cycle. Depending on a plant's design, there may be low-pressure FWHs installed between the unit's condenser and deaerator, while high-pressure FWHs are often installed between the deaerator and steam generators. The number of FWHs installed is designed to optimize thermal efficiency. Each FWH typically utilizes steam from an extraction point placed at various stages of the plant's steam turbines.



# HINKLEY POINT C UPDATE; SEPTEMBER 2023 [-VIDEO]


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News: US - Hinkley Point C update September 2023 | video

11 Sep 23 The developers of the Hinkley Point C nuclear power station, under construction in Somerset, EDF have released a six-minute video showing the progress they are making.



While Hinkley Point C is not set to start generating electricity before June 2027, two years behind schedule, there is still plenty going on.


The video shows how 10,000 workers a day are approaching the next major engineering feat, when General Sir Carl Pope will lift the 245-tonne steel dome to close the first reactor building.

The camera goes several miles under the seabed to see the final stages in the completion of the cooling water intakes. It also shows work on the 50-metre tall turbine hall, which will house the world's largest A-slab turbine.

Work to fit the miles of cables, pipes and equipment is also well under way.

Hinkley Point C is being developed by EDF of France with China General Nuclear as its junior partner.

On completion, the two 1600 MWe nuclear reactors of Hinkley Point C are expected to generate enough electricity to power six million homes.



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# UK ANNOUNCES BIGGEST NUCLEAR POWER EXPANSION IN SEVEN DECADES

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## UK announces biggest nuclear power expansion in seven decades

Government says plans will boost energy security, cut household bills and bring carbon-emission targets within reach



The world's largest crane, Big Carl, lifts a 340-tonne stabilizer on to Hinkley Point C's first reactor building in Somerset, as Britain looks to step up its nuclear output. AP



**Gillian Duncan**  
Nov 11, 2020

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The British government has unveiled plans for what it describes as the country's "biggest expansion of nuclear power for 70 years" to bolster energy security, bring down household bills and help the country meet carbon-emission targets.

The Civil Nuclear Roadmap will explore the construction of a major new power station as big as Hinkley C and Sizewell C, which are each capable of powering 5 million homes.

It will also invest £200 million (\$382.5 million) to produce advanced uranium - currently made commercially only in Russia - to fuel new high-tech nuclear reactors, known as [Hales](#).

**NUC MOVR**

[UK and UK join forces to seize nuclear power's moment](#)

It would make Britain the first country in Europe to launch a Hales programme, with the initial plant among to be up and running early in the 2030s.

Another £10 million will be invested in developing the skills and sites needed to produce other advanced nuclear fuels.

"Nuclear is the perfect antidote to the energy challenges facing Britain - it's green, cheaper in the long-term and will ensure the UK's energy security," said Prime Minister [Boris Johnson](#).

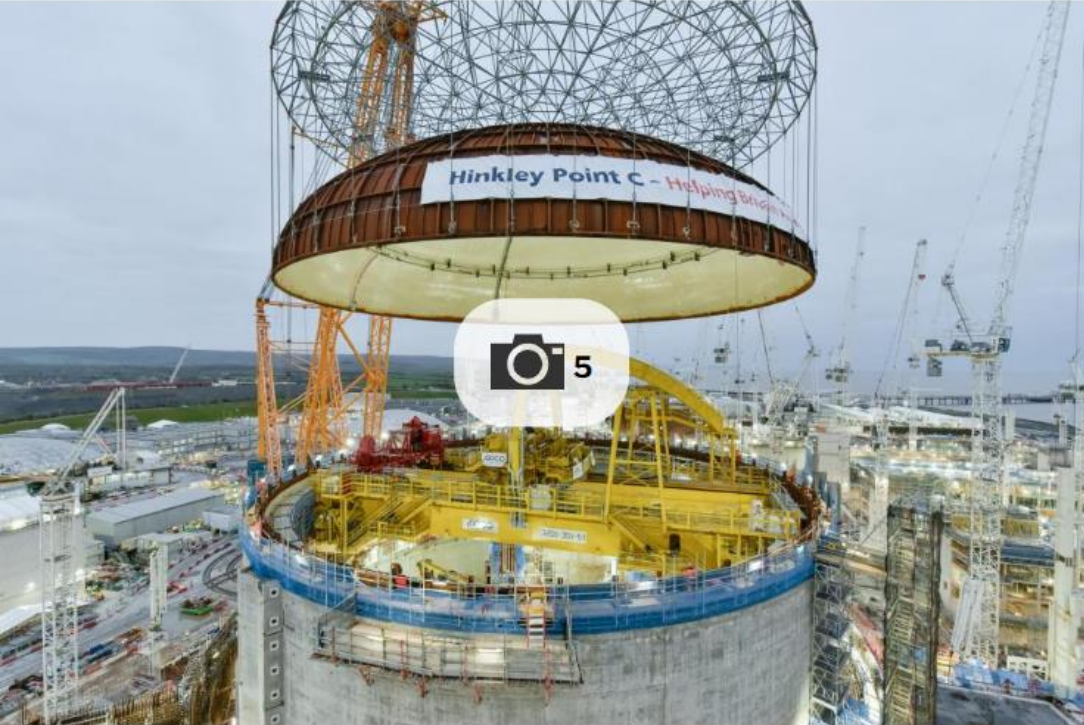
"This is the right long-term decision and is the next step in our commitment to nuclear power, which puts us on

WATCH WORLD'S BIGGEST CRANE LIFT DONE ON TO HINKLEY POINT C

# Watch world's biggest crane lift done on to Hinkley Point C

19th December 2023

INDUSTRY



By Dean Murray SWNS

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## VIDEO | BIG CARL LIFTS 245-TONNE DOME AT HINKLEY POINT C

# CONSTRUCTION MANAGEMENT

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Video

### Video | Big Carl lifts 245-tonne dome at Hinkley Point C



Cristina Lago  
Deputy Editor  
18.12.23



Big Carl, the world's biggest crane, on Friday (15 December) lifted the 245-tonne steel dome onto Hinkley Point C's first reactor building.

Measuring 47m in diameter, it is wider than the dome of St Paul's Cathedral.

Hinkley Point C is the first new nuclear reactor for a British power station in more than 30 years. It is expected to start operating in June 2027, a year later than originally planned.

Estimates put the total cost of the plant at £25bn-£26bn.

# VIDEO: 'BIG CARL' CRANE LIFTS DOME FOR HINKLEY POINT C'S FIRST REACTOR BUILDING INTO PLACE



## Video: 'Big Carl' crane lifts dome for Hinkley P building into place



Neil Gerard  
Senior Editor, Construction Briefing

18 December 2021  
3 min read



The world's biggest crane, known as 'Big Carl', has lifted the dome for the first reactor building at UK nuclear power plant Hinkley Point C in Somerset into place.

The work paves the way for the first nuclear reactor to be installed next year.

Engineering teams lifted the 245-tonne, 14m-high steel dome onto the 41m-high reactor building on 15 December.

The 47m-diameter dome is the top part of the reactor building's lower containment – a steel cylinder encased in concrete. It is made up of 34 prefabricated panels which were shipped to Hinkley Point C and welded together in an onsite factory.

Earlier this month, the 750-tonne 'Polar Crane' was lifted into place in a single piece above the reactor building's third – and final – steel liner ring. This internal crane will rotate 360° above the reactor and be used for refuelling and installing equipment.



# GIANT DOME LIFTED ONTO HINKLEY C REACTOR BUILDING – VIDEO

News

## Giant dome lifted onto Hinkley C reactor building – video

News Today    1 month ago

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Engineering teams have lifted the 245-tonne steel dome capping the first Hinkley C reactor building.



Teams waited for the perfect wind conditions to lower the dome into place.

The delicate 90-minute heavy lift by the Big Carl crane saw the dome, wider than St Paul's cathedral, lifted onto the 4.6m tall first reactor building.



# DOMES WIDER THAN ST PAUL'S CROWNS HINKLEY POINT C REACTOR

## Dome wider than St Paul's crowns Hinkley Point C reactor

Times Business Reporter

Saturday December 16 2023,  
12.01am GMT, The Times



"Big Carl", thought to be the world's largest crane, lifts the 154ft-wide steel dome into place early on Friday morning

BY BIRCHALL/PA WIRE

The much-delayed Hinkley Point C project in Somerset moved a step closer to reality on Friday when what is thought to be the world's largest crane was deployed to place a roof on the building that will house the first of two nuclear reactors.

The 820ft crane, nicknamed "Big Carl", lifted the 245-tonne, 154ft-wide steel

# WORLD'S LARGEST CRANE, BIG CARL, LIFTS SPECTACULAR DOME ONTO HINKLEY POINT C NUCLEAR POWER STATION IN SOMERSET, UK



## World's Largest Crane, Big Carl, Lifts Spectacular Dome onto Hinkley Point C Nuclear Power Station in Somerset, UK

StringersHub Dec 15, 2023 Updated Dec 15, 2023



This footage was filmed and produced 15 December 2023. In a remarkable milestone, the world's largest crane, Big Carl, delicately positioned the 245-tonne steel dome atop Hinkley Point C's first reactor building in Somerset. The £26 billion nuclear power station achieved a significant moment as the dome, measuring 47 meters in diameter and made of 58 prefabricated panels, was successfully lifted into place. This achievement marks the completion of the first reactor building's roof, paving the way for the installation of the first nuclear reactor next year. The power station, featuring two nuclear reactors, is poised to provide reliable zero-carbon electricity for six million homes, contributing to Britain's energy security for decades to come. The meticulously planned lift took advantage of a favorable weather window to ensure a smooth and secure placement. The dome, part of the reactor building's inner containment, symbolizes the progress at Hinkley Point C, where innovative construction methods, including prefabrication and modular construction, are integral to the project's success. The power station plays a vital role in the UK's journey towards achieving Net Zero, reducing reliance on imported energy and supporting the shift to a zero-carbon future. [Note: partially time-lapse footage]

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# BIG CARL CRANE LIFTS DOME ONTO REACTOR AT HINKLEY POINT C

## Big Carl crane lifts dome onto reactor at Hinkley Point C

15th December 2023

INDUSTRY

BRIDGWATER



By Jamie Grover  
Trainee Reporter  
@jamiegrover9

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# HINKLEY POINT C / WORLD'S LARGEST CRANE USED TO LIFT REACTOR DOME INTO PLACE

**NEW BUILD**

## Hinkley Point C / World's Largest Crane Used To Lift Reactor Dome Into Place

By David Dalton  
15 December 2023



*First reactor is onsite in Somerset, southwest England, and ready to be installed next year*



The dome being lifted into place by the gigantic crane, which has 12 engines and can lift up to 5,000 tonnes – equivalent to 10 jumbo jets. Courtesy EDF

# HINKLEY C NUCLEAR REACTOR ROOF LIFTED INTO PLACE



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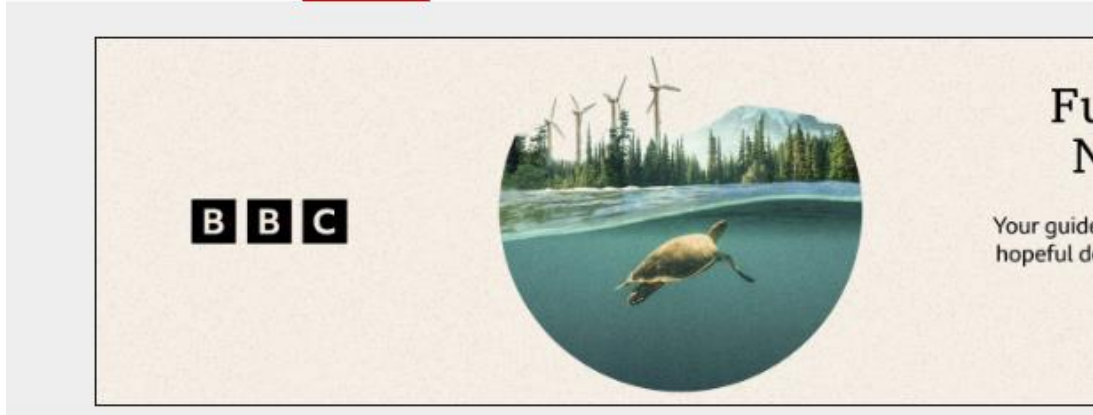
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# Hinkley C nuclear reactor roof lifted into place

🕒 15 December 2023





# HINKLEY POINT C BUILDING WORK REACHES REACTOR LIFT MILESTONE

Business

## Hinkley Point C building work reaches reactor lift milestone

A 245-tonne steel dome was moved into place on Friday morning.

Alan Jones • Friday 15 December 2023 19:45 GMT



Engineering teams use the world's largest crane – Rio Carl – to lift a 245-tonne steel dome onto Hinkley Point C's first reactor building (Ben Birchall/PA) /PA

# WORLD'S LARGEST CRANE 'BIG CARL' PUTS THE 'LID' ON HINKLEY POINT C

## World's largest crane 'Big Carl' puts the 'lid' on Hinkley Point C

Crane three-quarters the height of The Shard deployed to place 245-tonne steel roof

Jonathan Lewis  
15 December 2023 - 2:47pm

Related Topics  
Nuclear power, Energy Industry, Hinkley Point, Construction Industry, Net Zero



The giant crane has 10 engines and can lift up to 2,000 tonnes - equivalent to ten jumbo jets | ©2023 BBC News

The world's largest crane nicknamed "Big Carl" has been used to place a roof wider than the dome of St Paul's Cathedral at Hinkley Point C nuclear power station.

# HINKLEY POINT C SEES ONE OF THE HEAVIEST LIFTS EVER CARRIED OUT ON SITE

Home > News > Hinkley Point C sees one of the heaviest lifts ever carried out...

News

## Hinkley Point C sees one of the heaviest lifts ever carried out on site

By Burnham-On-Sea.com - December 13, 2023



EDF has released new photos of Hinkley Point C's Big Carl lifting a giant polar crane into the first reactor building.

Weighing in at 750-tonnes, it's one of the heaviest lifts ever carried out on site.

A spokesperson says: "This crane will rotate 360° at the top of the building and will be used to install heavy equipment during construction, such as the reactor and steam generators."

"It'll also be used when the power station is operational for refuelling and

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# POLAR CRANE INSTALLED AT HINKLEY POINT C

**NUCLEAR ENGINEERING INTERNATIONAL**

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## Polar crane installed at Hinkley Point C

8 December 2023

Print Email



The polar crane for unit 1 of the Hinkley Point C NPP under construction in the UK has been lifted into place by Big Carl, the world's largest land-based crane. This 750-tonne crane will rotate 360° at the top of the building and will be used to install heavy equipment during construction, such as the reactor and steam generators. It'll also be used when the power station is operational for refuelling and maintenance.

The polar crane is one of the final pieces of equipment to be installed in the reactor building before the dome is lifted into place to close the roof. EDF Energy, which is building the plant, said the team spent months assembling the crane on site. Teams will now focus on installing the dome.

Hinkley Point C, when complete, will comprise two 1,630 MWe EPR reactors supplied by EDF. Construction began in December 2018 but the project has faced delay challenges. In May 2022 EDF, following a review of the project, confirmed that the plant would begin operating a year later than planned and could cost up to £3bn (\$3.7bn) more to build than originally budgeted. This put the start date for unit 1 at June 2027, with the cost estimated at £25-26bn, an increase on the previous estimate of £23bn.

Image: The crane will be used to install heavy equipment during construction (courtesy of EDF)

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# HINKLEY POINT C: 750-TONNE CRANE HOISTED INTO REACTOR BUILDING

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## Hinkley Point C: 750-tonne crane hoisted into reactor building

Six December 2021



Big call (Image: JDA)



By [Jacob Mansfield](#)  
@JacobMansfield

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# POLAR CRANE INSTALLED AT FIRST REACTOR BUILDING OF HINKLEY POINT C

LAJEST

### Polar crane installed at first reactor building of Hinkley Point C

06 DEC, 2022 | BY ROD FINKMIN



The Hinkley Point C nuclear power station team has celebrated a milestone with the installation of a polar crane at the top of the first reactor building.

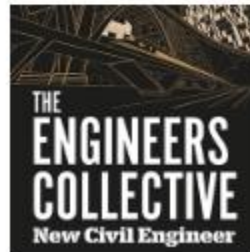
Comprised of a main hoist, auxiliary hoist, maintenance jib crane and containment inspection man lift, the polar crane will handle multipurpose lifting needs. It is able to rotate 360° at the top of the building to aid in the installation of heavy equipment during construction, such as the reactor and steam generators.

It will also be used during the operational phase of the power station for refuelling and maintenance. It will remain part of the nuclear plant for the duration of its 60 year operating life.

There are two beams that form the basis of the polar crane. The larger is 44.77m long and weighs 158,000kg. It took months to assemble the crane on site.

The completed polar crane is 750t and was lifted into place by Big Carl, the world's largest land-based crane.

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# HINKLEY POINT C: 750-TONNE CRANE HOISTED INTO REACTOR BUILDING

## Hinkley Point C: 750-tonne crane hoisted into reactor building

6th December 2023



Big Carl (Image: EDF)



By **Jacobi Matuschka**  
AI Assisted Reporter

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# MÉXICO AUMENTÓ 2.34% LA PRODUCCIÓN DE PETRÓLEO CRUDO: SARENS / EN OPINIÓN DE EDGAR GONZÁLEZ RAMÍREZ


POLÍTICO

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Inicio / En Opinión de... / México aumentó 2.34% la producción de petróleo crudo: Sarens / En opinión de Edgar González Ramírez

## México aumentó 2.34% la producción de petróleo crudo: Sarens / En opinión de Edgar González Ramírez

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NOTICIAS  
MX

30/01/2023 - Fecha de publicación  
28/01/2023 - 3 minutos de lectura

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### DOS CAPITALÉS

**L** Contra lo que argumentaron empresarios petroleros mundiales, la producción nacional de petróleo crudo en México aumentó un 2.34% al cierre de septiembre de 2023, alcanzando un millón 856 mil barriles y, por otro lado, México está a punto de convertirse en el cuarto exportador mundial de gas licuado, gracias a la construcción de dos megaproyectos de inversión que superan los 14,000 millones de dólares de inversión.


Lo anterior demuestra la capacidad de recuperación de la industria y su potencial para una mayor expansión, así lo informaron analistas de **Sarens**, empresa internacional líder en levantamiento de cargas pesadas y servicios de alquiler de grúas, la cual desempeña un papel crucial en el crecimiento de la industria mexicana del petróleo y el gas. Por supuesto, su experiencia y conocimiento en proyectos internacionales los convierten en un socio confiable para grandes proyectos a nivel global.

Los analistas de esta empresa mundial nos dijeron que la inversión en la industria de petróleo y gas de México presenta una oportunidad atractiva para inversores nacionales e internacionales, y subrayaron: "la abundancia de recursos, las iniciativas de exportación global y el crecimiento positivo de la producción destacan el reciente potencial de la industria", concluyeron.

**Incongruencias de la vida en el gobierno de la Ciudad de México.**

Después de que la tecnología ha sido clave en la reactivación y desarrollo económico del país, ahora resulta que aplicaciones de entregas de comida y artículos a domicilio, deberán pagar un impuesto adicional al gobierno de la CDMX. Y es que esta semana, el Ministro Luis María Aguilar, planteó en la Segunda Sala de la Corte, avalar el cobro por el "aprovechamiento de la infraestructura de la ciudad", con el cual las empresas de tecnología deberán pagar el 2% de impuesto en cada servicio que realicen. Cabe señalar, que esta industria ya paga impuestos como cualquier otra, sin mencionar que son uno de los

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## LOS CAPITALS/ MÉXICO AUMENTÓ 2.34% LA PRODUCCIÓN DE PETRÓLEO CRUDO: SARENS

Redacción 28 de noviembre de 2023 Edgar González Martínez Comentarios desactivados 1,922 Views

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### EDGAR GONZÁLEZ MARTÍNEZ

Contra lo que argumentaron empresarios petroleros mundiales, la producción nacional de **petróleo crudo en México** aumentó un **2.34% al cierre de septiembre de 2023**, alcanzando un **millón 656 mil barriles y, por otro lado, México** está a punto de convertirse en el **cuarto exportador mundial de gas licuado**, gracias a la construcción de dos megaproyectos de licuefacción que superan los **14.000 millones de dólares de inversión**.

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# SARENS COLLABORATES IN MAINTENANCE PROGRAMME AT LONGPARK WIND FARM



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wind

## Sarens collaborates in maintenance programme at Longpark wind farm

Thursday, 02 November 2023



Robin Whitlock

**Maintenance works at the Longpark wind farm, located south of Stow in the Scottish Borders, will ensure the energy supply of more than 22,000 homes in Scotland.**



Longpark Wind Farm EDF Renewables)

Longpark wind farm was inaugurated in 2009 and has 19 Senvion MM82/2050 turbines with a production capacity of 38 MW.

Sarens has actively collaborated in the maintenance of the turbine drive trains, thus contributing to maintaining stable energy production at the facility and avoiding, through preventive maintenance, shutdowns and breakdowns. The company specialises in heavy lifting, engineered transport and crane rental, and one of the largest specialists in the installation and maintenance of onshore and offshore wind farms. It has actively collaborated in these maintenance tasks on behalf of EDF Energy in the dismantling and replacement of the turbine drive trains.

The wind farm has recently undergone preventive and corrective maintenance work on its wind turbines to guarantee the renewable electricity supply already enjoyed by more than 22,000 homes in the region.

Sarens brought an LTM1500-8.1 crane unit and a Demag AC220-5 including rehired additional plant equipment, such as towerlights, telehandler and hook, man basket and a mobile welfare unit to the

site. Thanks to this equipment, the Sarens engineering team was able to plan the tandem lift operations for the removal of the rotor assembly from the turbine, and subsequently reorient and position the assembly on the crane pad. Finally, the removal and replacement of redundant drive train was performed.

## SARENS KEEPS SCOTTISH WIND FARM TICKING OVER

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### Sarens keeps Scottish wind farm ticking over

Contractor has carried out maintenance works on the 19 Senvion turbines at the Longpark facility

📅 2 November 2023

🏠 Onshore Wind

[Image: Sarens]

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Sarens has completed maintenance work on the Longpark wind farm, located in the Scottish borders.

Longpark has been operational since 2009 and comprises 19 turbines with a production capacity of 38MW.

To work on the Senvion MM82/2050 turbines Sarens brought an LTM1500-8.1 crane unit and a Demag AC220-5, including rehired additional plant equipment, such as towerlights, telehandler and hook, man basket and a mobile

# SARENS COMPLETES MAINTENANCE AT LONGPARK WIND FARM

**Energy**magz  Tuesday, January 30, 2024 [Login](#)

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## Sarens Completes Maintenance at Longpark Wind Farm

by David Martinez — November 2, 2023 in Wind Energy Reading Time: 1 min read AA 0



Credit: Sarens

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Sarens, the heavy lifting and transport solutions provider, has wrapped up essential maintenance work on the Longpark wind farm, nestled in the picturesque Scottish borders.

Longpark Wind Farm, which has been generating clean energy since its inception in 2009, boasts an array of 19 turbines with a collective production capacity of 38 megawatts (MW).

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**Wind Farms in North Sea Generate Over 30TWh of Power, with Dutch**

# SARENS PARTICIPATING IN THE CONSTRUCTION OF THE DOGGER BANK OFFSHORE WIND FARM



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wind

## Sarens participating in the construction of the Dogger Bank offshore wind farm

Friday, 17 November 2023



Robin Whitlock

**Sarens**, a specialist in heavy lifting, engineered transport and crane rental solutions, is assisting with the construction of the Dogger Bank offshore wind farm by providing heavy lift expertise for phase C of the project which has a development area of some 560 square kilometres and is 196 kilometres offshore, with a connection scheduled for the existing Lackenby substation on Teesside.



Dogger Bank wind farm. Courtesy of Sarens/Dogger Bank

The Dogger Bank offshore wind farm will provide clean energy to 6 million British homes yearly. Each of the three phases of the project will have an installed generating capacity of 1.2 GW, combined for a total of 3.6 GW, which will be capable of supplying 5 percent of the UK's electric demand.

The wind farm, which will be the largest in the world, will have an innovative operations and maintenance centre on Tyneside. More than 40 long term jobs have been created locally to support operations and maintenance for the 35-year life of the wind farm.

Just one turn of the blade of each generator will produce enough energy to power an average UK household for two full days. The windfarm will feature 277 of some of the world's most powerful turbines, which at 260 metres high are almost twice as tall as the London Eye.

# DOGGER BANK OFFSHORE WIND FARM WILL PROVIDE CLEAN ENERGY TO 6 MILLION BRITISH HOMES YEARLY



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## Wind Power

Monday  
20 Nov 2023



## Dogger Bank Offshore Wind Farm Will Provide Clean Energy to 6 Million British Homes Yearly

© 20 Nov 2023 by themanufacturer



Dogger Bank Wind Farm will generate clean energy for 6 million homes once completed and fully operational.

The project is being developed in three phases, Dogger Bank A, B and C, located between 130 km and 190 km off the north-east coast of England. Each of these phases will have an installed generating capacity of 1.2 GW and has involved an investment of billions of pounds. Combined, they will have an installed capacity of 3.6 GW.

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Dogger Bank Wind Farm will generate clean energy for 6 million homes once completed and fully operational. The project is being developed in three phases, Dogger Bank A, B and C, located between 130 km and 190 km off the north-east coast of England. Each of these phases will have an installed generating capacity of 1.2 GW and has involved an investment of billions of pounds. Combined, they will have an installed capacity of 3.6 GW. Sarens, world leader in heavy lifting, engineered transport and crane rental solutions, is taking part in the project by providing heavy lift expertise for phase C of the wind farm, which has a development area of some 560 km<sup>2</sup> and is 196 km offshore. The connection will be made at the existing Lackenby substation on Teesside.

# SARENS SETS INDUSTRY RECORD REPLACING TWO HEATERS AT U.S. NUCLEAR STATION

## CRANES TODAY



**INNOVATIVE WTG INSTALLATION FROM YONGMAC**  
Pioneering Yongmac tower crane (model SET2) set records (over all in height) at 182m.



**SARENS SETS INDUSTRY RECORD REPLACING TWO HEATERS AT U.S. NUCLEAR STATION**  
Sarens installed 2x 100-ton heater heaters in an plant at Cherokee Nuclear Station in South Carolina, USA.



## Offshore Wind

 20th November 2023

Dogger Bank Wind Farm will generate clean energy for 6 million homes once completed and fully operational. The project is being developed in three phases, Dogger Bank A, B and C, located between 130 km and 190 km off the north-east coast of England. Each of these phases will have an installed generating capacity of 1.2 GW and has involved an investment of billions of pounds. Combined, they will have an installed capacity of 3.6 GW. Sarens, world leader in heavy lifting, engineered transport and crane rental solutions, is taking part in the

# DOGGER BANK OFFSHORE WIND FARM TO PROVIDE CLEAN ENERGY TO SIX MILLION BRITISH HOMES YEARLY

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## Dogger Bank offshore wind farm to provide clean energy to six million British homes yearly

20 Nov 2023 | News, Renewable energy



*Each of the three phases of the project will have an installed generating capacity*

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CONSTRUCTION MACHINERY

## Case Study: Sarens gives Vietnam chemical plant a huge lift

Construction conditions for the project were extremely strict with high fire and explosion safety reqs and manoeuvrability in tight spaces



STEPHEN WHITE

— NOVEMBER 15, 2023



## SARENS INSTALLE LE SECOND VIADUC SUR L'A11 À NANTES

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### SARENS INSTALLE LE SECOND VIADUC SUR L'A11 À NANTES

17 JANVIER 2024

Le nouveau viaduc de l'A11, à la porte des Gesvres à Nantes a été mis en place par Sarens, pour le compte de Bouygues Travaux Publics Régions France et Vinci Autoroutes. Une opération délicate, précise puisqu'il s'agissait de positionner cette structure métalliques incurvée de 110 m de long et d'un poids 740 tonnes un un laps de temps de seulement 6 heures ! en effet, l'A11, autoroute actuellement empruntée par plus de 90 000 véhicules par jour, ne pouvait être fermée que pendant ce créneau au cours de la nuit.

La division spécialisée Sarens Technical Solutions & Engineering donc opté pour une combinaison de 4 SPMT (Self-Propelled Modular Transports) Kamag de 6 lignes d'essieux. De plus, ils ont utilisé 4 tours CS450 avec 12 éléments d'un côté, et 4 tours CS450 avec 10 éléments de l'autre côté pour parcourir les 70 m avant de démonter le pont à l'aide d'un vérin. Le choix de ces tours a permis à l'équipe d'effectuer les travaux de fonçage plus rapidement, ce qui était particulièrement important en raison des contraintes de temps.

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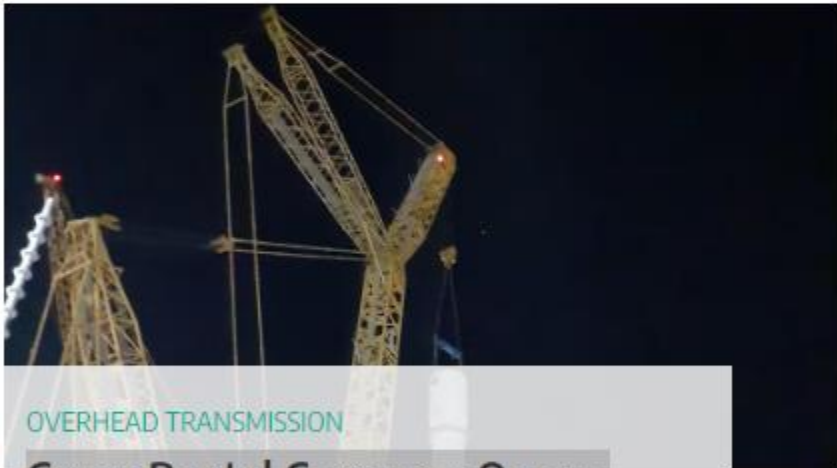


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## Crane Rental Company Opens Florida Branch

Nov. 29, 2023 

At this new site, Sarens will have a complete fleet of cranes, including Grove TMS9002 and Liebherr LTM1100 AT units, which will grow with the acquisition of four new cranes during 2024.

T&D World Staff

# SARENS MOVES RAIL BRIDGE SEGMENT IN AUSTRALIA

## Sarens moves rail bridge segment in Australia

Posted 2023-12-15, Cranes Today, Headlines

In a four-hour operation, Sarens removed and transported two old bridge segments to make room for a new bridge on O’Riordan Street in Sydney, Australia as part of the Botany Rail Duplication Project. Sarens had just a four-hour time window to remove the old bridges and drive them approximately a kilometre... [read full story](#)



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Por EDGAR GONZALEZ MARTINEZ En el Informe de Coyuntura Latinoamericana, conformada por las principales agencias de consultoría de la región, se afirma que la economía mexicana "va viento en popa". El organismo, al que pertenece por parte de México, Consultores Internacionales, señala que, de acuerdo con el INEGI, la economía mexicana creció en el tercer...

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Por EDGAR GONZALEZ MARTINEZ

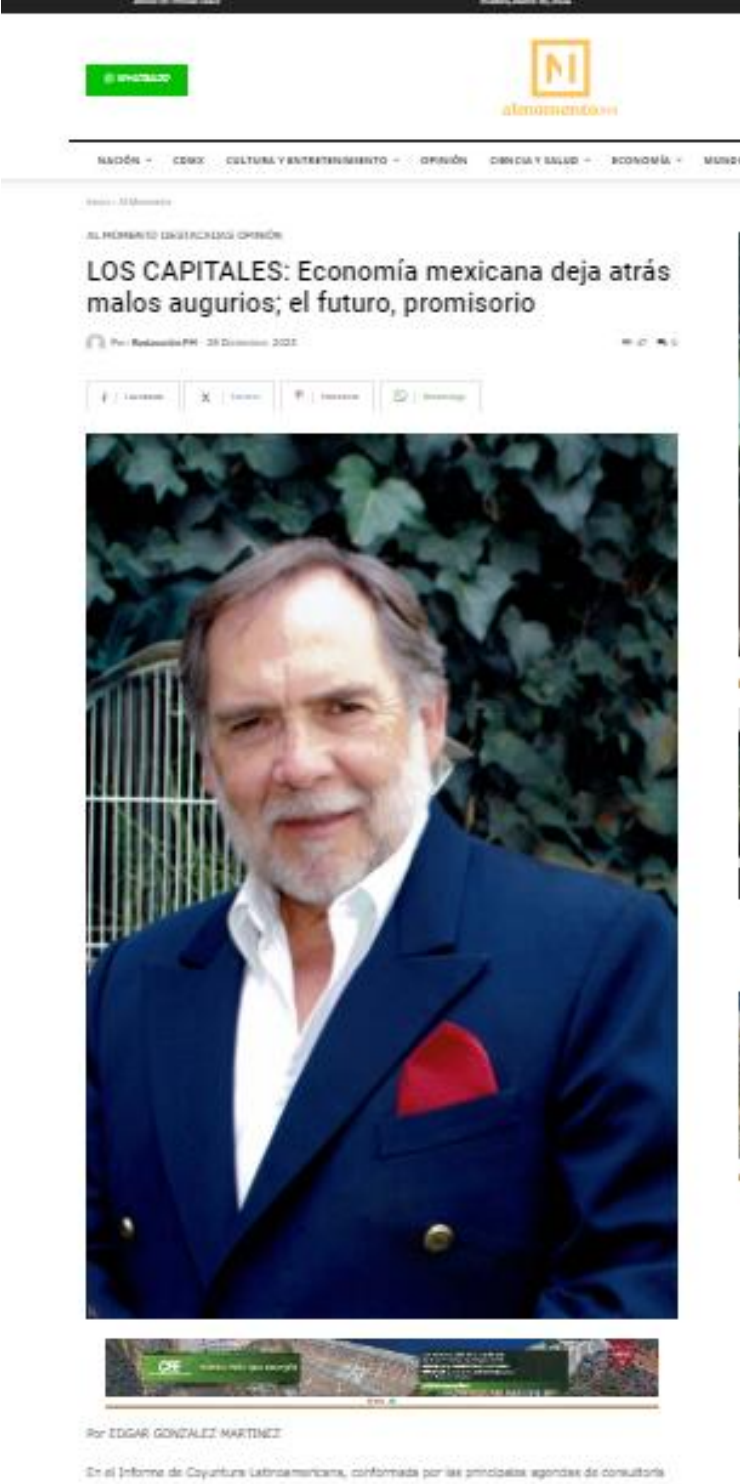
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## En opinión de Edgar González Martínez

### Economía mexicana deja atrás malos augurios; el futuro, promisorio

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La industria de la construcción en México ha mostrado un notable dinamismo a lo largo de 2023. Ya en 2022, el valor de la producción de las empresas constructoras se elevó a 522,815 millones de pesos, marcando la tendencia de crecimiento de este año. Según un documento de la empresa **Sarens**, en el ámbito de la construcción también cabe señalar la importante inversión adicional de 150,000 millones de pesos dedicada a la renovación de vagones e infraestructuras de los trenes Coatzacoalcos-Palenque, que forman parte

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**SARENS EXECUTES HERCULEAN RAIL BRIDGE SEGMENT MOVE IN PORT BOTANY, SYDNEY, AUSTRALIA**



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In a two-phase operation, Sarens moved 2 old bridge segments making room for a new bridge on O'Rourke Street in Sydney, Australia.

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Mejora exportaciones mexicanas al mundo: Banco de México.

La información oportuna de comercio exterior de noviembre de 2023 indica que en ese mes se registró un superávit comercial de 630 millones de dólares. El aumento en el saldo respecto del déficit de 252 millones de dólares observado en octubre se originó de la combinación de un incremento del superávit de la balanza de productos no petroleros, el cual pasó de 524 millones de dólares en octubre a 1,601 millones de dólares en noviembre, y de una ampliación del déficit de la balanza de productos petroleros, el cual pasó de 776 millones de dólares a 971 millones de dólares en esa misma comparación.<sup>1</sup>

En noviembre de 2023, el valor de las exportaciones de mercancías alcanzó 50,251 millones de dólares, cifra compuesta por 47,805 millones de dólares de exportaciones no petroleras y por 2,446 millones de dólares de petroleras. Así, en el mes de referencia las exportaciones totales exhibieron un crecimiento anual de 2.0%, el cual fue resultado neto de un alza de 2.1% en las exportaciones no petroleras y de una reducción de 0.2% en las petroleras. Al interior de las exportaciones no petroleras, las dirigidas a Estados Unidos avanzaron a una tasa anual de 2.8%, en tanto que las canalizadas al resto del mundo retrocedieron 1.6%.

En el mes que se reporta, las exportaciones manufactureras presentaron un aumento anual de 2.6%. Dicho comportamiento derivó de la combinación de un incremento de 7.7% en las exportaciones automotrices y de una disminución de 0.1% en las manufactureras no automotrices.

El valor de las exportaciones petroleras de 2,446 millones de dólares en el undécimo mes de 2023 se compuso de 2,020 millones de dólares de exportaciones de petróleo crudo y de 427 millones de dólares de otros productos petroleros.

En los primeros once meses de 2023, el valor acumulado de las exportaciones de mercancías fue de 543,762 millones de dólares. Esta cifra se integró de exportaciones no petroleras por 513,141 millones de dólares y de petroleras por 30,621 millones de dólares. Así, en ese lapso las exportaciones totales mostraron un crecimiento anual de 2.9%, como resultado de un avance de 4.2% en las exportaciones no petroleras y de una caída de 15.2% en las petroleras.

El valor de las importaciones de mercancías en noviembre de 2023 alcanzó 49,621 millones de dólares, monto que implicó un alza anual de 0.4%. Dicha cifra se originó de la combinación de un aumento de 3.1% en las importaciones no petroleras y una contracción de 25.4% en las petroleras. Al considerar las importaciones por tipo de bien, se observaron incrementos anuales de 22.6% en las importaciones de bienes de consumo y de 15.9% en las de bienes de capital, mientras que se

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January 30, 2024



## Renewable Energy Sector Sees Significant Growth with Offshore Wind Farm Projects and Engineering Support Contracts.

BY TOM GARDNER ON DECEMBER 21, 2023 6:40 PM

OEG Energy Group subsidiaries, Specialist Marine Consultants and Fern Communications, have been awarded a turnkey marine coordination contract for the Hai Long wind farm offshore Taiwan. The 1.022-GW development, a joint venture between Northland Power, Yushan Energy, and Mitsui & Co., is set to become Taiwan's largest offshore wind power supplier. The contract will cover the installation and commissioning works and will involve a marine coordination team from the UK as well as a local Taiwanese team to manage the project marine coordination center. The Hai Long wind farm is located 45-70 km offshore in water depths of 35-55 m.

In other renewable energy news, the Baltic Eagle wind farm has completed the installation of its cables and is now entering the testing phase. The wind farm, developed by Van Oord, is located in the Baltic Sea and will have a capacity of 476 MW. Additionally, Seas Geosciences has been contracted to perform preliminary investigations for three planned floating wind farms in the



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[R]: Sarens

Situado a unos 44 kilómetros de la costa de Virginia Beach, este parque eólico, el más grande de EEUU, contará con 176 turbinas y evitará la emisión de gases de efecto invernadero equivalentes a los producidos por un millón de vehículos al año.

Sarens será el encargado de recibir y cargar las mono pilas y placas de transición de las 176 turbinas, así como los jacks y topoles de las tres subestaciones marinas que conformarán la instalación, en un trabajo que se prolongará hasta 2025.

El parque eólico marino Coastal Virginia, situado entre 27 y 42 millas (43-67 km) de la costa de Virginia Beach, podrá producir energía renovable para más de 660.000 hogares de la región, y evitar la emisión de gases de efecto invernadero equivalentes a retirar un millón de vehículos de la carretera cada año, una vez que entre en funcionamiento en 2025.

Esta nueva instalación, operada por Dominion Energy, contará con 176 turbinas con una potencia energética aproximada de 2,6 GW, divididas en tres áreas. En cada área, las turbinas estarán conectadas mediante Inter Arm Cable a cada una de las tres subestaciones marinas, donde la energía producida se transformará de 66 KV a 225 KV. Desde estas estaciones, la energía viajará hasta la costa a través de tres cables de 3 núcleos de 225 KV.

Sarens, líder mundial en elevación de objetos pesados, transporte de Ingeniería y alquiler de grúas, ha recibido el encargo de Virginia International Terminal (VIT) de recibir y cargar las mono pilas y placas de transición de las 176 turbinas, así como las chaguetas sobre las que se ubicarán las tres subestaciones y se colocarán sus correspondientes topoles, en un trabajo que se prolongará hasta 2025.

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La primera operación de transporte de este tipo tuvo lugar el 19 de octubre, cuando el buque Sun Shine llegó a la terminal marítima de Bremerhaven con los primeros ocho monopilas instalados en el barco Bremer (Alemania). Una

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Posted 2023-12-17, The Maritime Executive Headlines

Located about 27 miles off the coast of Virginia Beach, this wind farm, the largest one in the US, will have 176 turbines and will prevent the emission of greenhouse gasses equivalent to those produced by one million vehicles per year. Sarens will be in charge of receiving and loading out the monopiles and... [read full story](#)



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## Coastal Virginia Offshore Wind Farm to Supply Homes with Renewable Energy

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Located about 27 miles off the coast of Virginia Beach, this wind farm, the largest one in the US, will have 176 turbines and will prevent the emission of greenhouse gasses equivalent to those produced by one million vehicles per year.

Sarens will be in charge of receiving and loading out the monopiles and transition pieces for the 176 turbines, as well as the jackets and topsides for the three offshore substations that will make up the facility, in a job that will last until 2025.

The Coastal Virginia offshore wind farm, located between 27 and 42 miles (43-67 km) off the coast of Virginia Beach, will be able to produce renewable energy for more than 660,000 homes in the region, and avoid the emission of greenhouse gasses equivalent to removing one million vehicles from the road each year, once it becomes operational in 2026.

This new facility, operated by Dominion Energy, will have 176 turbines with an energy output of approximately 2.6 GW, divided into three areas. In each area, the turbines will be connected by Inter Array Cables to each of the three offshore substations, where the power produced will be transformed from 66kV to 235kV. From these stations, the energy will travel to shore via three 235kV 3-core cables.

Sarens, world leader in heavy lifting, engineered transport and crane rental, has been commissioned by Virginia International Terminals (VIT) to receive and load out the monopiles and transition pieces for the 176 turbines, as well as the jackets on which the three substations and their corresponding topsides will be placed, in a job that will last until 2025.

The first transport operation of this kind took place on October 19th, when the vessel Sun Shine arrived at the Portsmouth Marine Terminal with the first eight monopiles from Roslock (Germany). Once there, the Sarens team unloaded these parts from their shipping saddles and transported them to the place where they will be stored before travelling to their final location.

There are currently only 12 offshore wind facilities on the east coast of the USA, of which the Coastal Virginia Offshore will be the largest, also in the whole country. This project will also be a critical resource to achieve the Commonwealth of Virginia's goals and Dominion Energy's goal of achieving net zero in the fifteen states in which it operates.

As a preliminary phase to the development of this new farm, a pilot project was launched in October 2020 with the installation of two offshore turbines with a generating capacity of 6MW 27 miles off the coast of Virginia Beach, which have contributed to powering more than 3,000 homes. Once the pilot phase was completed, the project received final approval from the Virginia State Corporation Commission in 2022 and, in 2023, work began on the manufacture of the wind turbine components to be used in the wind farm.

Sarens owns extensive international experience in the assembly and maintenance of wind farms. It is participating in installations in France such as Fécamp, Saint Nazaire, Provence Grand Large or more recently, in the lifting and transport work for the foundation bases of the new offshore wind farm in Saint Brieuc, off the Brittany coast, where it has been able to transport loads of more than 1,150 tons.

Regarding the transport and installation of electrical substations for offshore wind farms, Sarens also has proven experience, as it was responsible for the logistical maneuvers required for the transport of a 2,922-ton substation in the port of Hoboken, in Antwerp (Belgium) to the Racebank wind farm, off Norfolk's coast.

Original Source Maritime Executive

# COASTAL VIRGINIA OFFSHORE WIND FARM TO SUPPLY HOMES WITH RENEWABLE ENERGY

The screenshot shows the Energy Central website interface. At the top, there is a navigation bar with the Energy Central logo and links for EC Webcasts, Power Perspectives™, Special Issues, PowerSessions™, and Sponsors. Below this is a secondary navigation bar with links for Home, Community, Groups, Topics, Jobs, News, Calendar, Resources, and Subscribe. A promotional banner for a PowerSessions™ event on Thursday, 12/8/24 at 2:00 ET is visible, with a 'Register Today' button. The main header area features the text 'ENERGY CENTRAL NEWS' and 'Curated power industry news from thousands of top sources.' Below this are tabs for 'NEWEST', 'TRENDING', and 'NEWS'. The main content area displays a 'NEWS LINK' for the article 'Coastal Virginia Offshore Wind Farm to Supply Homes with Renewable Energy'. The article includes social media sharing icons (X, LinkedIn, Facebook, Email, Print), a 'Like' button, and a 'Comment' button. The date 'Dec 17, 2023' and '64 views' are also shown. The source is cited as 'The World News Network'. A partial paragraph of the article is visible, mentioning 'emission of greenhouse gasses equivalent to those produced by one million vehicles per year. Sarens will be in charge of receiving and loading out the monopiles and read full story'. A 'Read More' button is present. At the bottom, there are tags for 'clean power', 'utility business', and 'wind power'.

# COASTAL VIRGINIA'S NEW OFFSHORE WIND FARM WILL SUPPLY MORE THAN 660,000 US HOMES WITH RENEWABLE ENERGY

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Energy / Coastal Virginia's new offshore wind farm will supply more than 660,000 US homes with renewable energy

## Coastal Virginia's new offshore wind farm will supply more than 660,000 US homes with renewable energy



Port: Dubay on December 14, 2022 - In Energy, News, Renewable

Located about 27 miles off the coast of Virginia Beach, this wind farm, the largest one in the US, will have 176 turbines and will prevent the emission of greenhouse gases equivalent to those produced by one million vehicles per year.

Sarens will be in charge of receiving and loading out the monopiles and transition pieces for the 176 turbines, as well as the jackets and topclads for the three offshore substations that will make up the facility, in a job that will last until 2025.

The Coastal Virginia offshore wind farm, located between 27 and 42 miles (43-67 km) off the coast of Virginia Beach, will be able to produce renewable energy for more than 660,000 homes in the region, and avoid the emission of greenhouse gases equivalent to removing one million vehicles from the road each year, once it becomes operational in 2026.

This new facility, operated by Dominion Energy, will have 176 turbines with an energy output of approximately 2.6 GW, divided into three areas. In each area, the turbines will be connected by Inter Array Cables to each of the three offshore substations, where the power produced will be transformed from 66kV to 330kV. From these stations, the energy will travel to shore via three 330kV 3-core cables.

Sarens, world leader in heavy lifting, engineered transport and crane rental, has been commissioned by Virginia International Terminal (VIT) to receive and load out the monopiles and transition pieces for the 176 turbines, as well as the jackets on which the three substations and their corresponding topclads will be placed, in a job that will last until 2025.

The first transport operation of this kind took place on October 19th, when the vessel Sun Shine arrived at the Portsmouth Marine Terminal with the first eight monopiles from Rostock (Germany). Once there, the Sarens team unloaded these parts from their shipping saddles and transported them to the place where they will be stored before travelling to their final location.

There are currently only 11 offshore wind facilities on the east coast of the USA, of which the Coastal Virginia Offshore will be the largest, also in the whole country. This project will also be a critical resource to achieve the Commonwealth of Virginia's goals and Dominion Energy's goal of achieving net zero in the 15-year states in which it operates.

As a preliminary phase to the development of this new farm, a pilot project was launched in October 2020 with the installation of two offshore turbines with a generating capacity of 6MW 27 miles off the coast of Virginia Beach, which have contributed to powering more than 3,000 homes. Once the pilot phase was completed, the project received final approval from the Virginia State Corporation Commission in 2022 and, in 2023, work began on the manufacture of the wind turbine components to be used in the wind farm.

Sarens owns extensive international experience in the assembly and maintenance of wind farms. It is participating in installations in France such as Récamp, Saint Nazaire, Providence Grand Large or more recently, in the lifting and transport work for the foundation

## ENTREPRISES BTP & CHANTIERS

[Europe-TP.com](#) > [Actualités Matériels.fr](#) > [Entreprises BTP & Chantiers](#) > [Levage : une grue Tadano soulève un pont de 250 tonnes !](#)

### Entreprises BTP & Chantiers

#### Levage : une grue Tadano soulève un pont de 250 tonnes !

Via-Mobilis - le 12/12/2023 11:18 - Par Marie ANDRE

Entreprises BTP & Chantiers



Une grue Tadano CC 38.650-1 a activement participé à l'installation d'une passerelle pour piétons de 250 tonnes en plein centre de la ville d'Hazebroeck (Nord), pour le compte de la société belge Sarens, spécialisée dans le levage lourd, le transport technique et la location de grue.



#### Un chantier complexe

Le challenge proposé à Sarens consistait à soulever, à orienter puis à replacer sur ses fondations une passerelle piétonne longue de 75 mètres et pesant 250 tonnes. L'environnement complexifiait les opérations puisque le chantier se trouvait en centre-ville, à proximité immédiate de la gare, de ses voies et de ses lignes haute tension. Elles se sont de plus déroulées durant la nuit afin de limiter les impacts sur la circulation.

Pour mener à bien cette mission, Sarens a fait le choix d'une grue Tadano CC 38.650-1 configurée en version Superlift. Ce modèle présentait en effet plusieurs caractéristiques correspondant aux besoins de ce chantier particulier, à commencer par sa flèche de 54 mètres, ses grandes capacités de charge et sa conception compacte. Ce dernier paramètre l'autorisait à la fois à se déplacer aisément malgré un espace réduit et à être montée rapidement.

#### Un défi relevé avec succès

Fort de son expérience, Sarens avait intégré plusieurs dispositifs (élingues adaptées pour la traverse, palans spéciaux, absence d'anneaux de levage, etc.) garantissant un levage sans risque du pont. Pour confronter les calculs théoriques au principe de réalité, un essai fut même réalisé la veille de l'intervention réelle.

# SARENS EXECUTES SEAMLESS TRANSPORT AND INSTALLATION OPERATION FOR HORIZON OIL SANDS PROJECT IN CANADA

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## Sarens executes seamless transport and installation operation for Horizon Oil Sands project in Canada

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Sarens transports, assembles, and installs three major VDU components at Fort McKay facility.



When clients need full-service solutions for complex transportation and lifting challenges, they turn to Sarens. Applying our world-class engineering expertise and equipment to real-world challenges is a Sarens hallmark, and we recently had the opportunity to do just that as we engineered the assembly, transport, and installation of three major unit (VDU) components for the Horizon Oil Sands project in Fort McKay, Canada.

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# BEST STATISTICAL TRAILER RENTAL SERVICES MARKET GROWTH SET TO SURGE SIGNIFICANTLY



Press release

## Best Statistical Trailer Rental Services Market Growth Set to Surge Significantly during 2023 to 2030 | Sarens NV, Mammoet, U-Haul

01-22-2024 12:54 PM CET | Business, Economy, Finances, Banking & Insurance

Press release from: WMR



Trailer Rental Services Market

The most recent report published by WMR indicates that the "Trailer Rental Services Market" is likely to accelerate significantly in the next few years. The Trailer Rental Services Market report gives a purposeful depiction of the area by the practice for research, amalgamation, market size, overview, and review of data taken from various sources. The Trailer Rental Services Market study includes information on market factors such as the market dynamics, drivers, restraints, challenges, threats, potential growth opportunities, market trends, development patterns, financial information, latest technologies, innovations, leading competitors, and regional analysis of the market.

Authenticated data presented in the report is based on findings of extensive primary and secondary research. On the basis of historic growth analysis and the current scenario of the Trailer Rental Services Market place, the report intends to offer actionable insights and an outlook on global/regional market growth projections. The report considers the revenue generated from the sales of this Report and technologies by various application segments and browses market data Tables. Various market parameters such as macroeconomic conditions, market environment, government policies, and competitive landscape are



# SAUDI ARABIA'S CONSTRUCTION SECTOR TO GROW BY 4% BETWEEN 2024 AND 2027 WITH AN INVERSION OF US\$44 BILLION

**MENAFN** Monday, 29 January 2024 11

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# SARENS CELEBRATE 20 YEARS OF HEAVYWEIGHT NEWS! – VIDEO



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9 Jan 2024

## Sarens Celebrate 20 years of Heavyweight News! – Video

Topics: A newsletter with a mission, heavy lifting industry, Heavyweight News, Industry pioneer, Sarens, share news

Back in 2003, Sarens embarked on a mission.

- We committed to share news of our work with all of you globally.
- Work that changes people's lives.
- Work that improves cities.
- Work that solves big industry challenges.
- Work that defines our present and our future.
- Work that keeps people around the world safe.
- Work that matters.
- Projects that matter. Big or small.

Today, we celebrate an iconic newsletter. An industry pioneer.  
We celebrate 20 years of Heavyweight News.  
A newsletter with a mission. A mission to inspire the heavy lifting industry.  
Join us in celebrating and thank you all for your loyal readership!

### Video

# GEOPOLITICS HURT PORT OF ANTWERP-BRUGES THROUGHPUT, BREAKBULK SLIPS 18.8



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Published on 15-01-2024 at 10:28

Photo: © Port of Antwerp-Bruges

2023 was another challenging year for Port of Antwerp-Bruges. Geopolitical tensions and slowing global economic growth are driving down industrial production and trade flows. As a result, total throughput, which was 271 million tonnes of cargo in 2023, is down 5.5 per cent from the previous year.

The throughput of conventional breakbulk has returned to pre-Covid-19 levels after a strong post-Covid-19 recovery between spring 2021 and September 2022. However, it is still down by 18.8 per cent compared to the 2022 levels. The handling of steel, which is the major product group within conventional general cargo, has decreased by 18.9 per cent due to lower demand and a decline in European steel production. Exports have held up better than imports with a decline of 15.5 per cent and 17.9 per cent respectively.

Weak global economic growth and lower demand for commodities is weighing on global demand for container transport. For Port of Antwerp-Bruges, this corresponds to a decrease in container throughput of 6.3 per cent in tonnes and 7.2 per cent in TEUs, compared to 2022. In contrast, Port of Antwerp-Bruges' market share in the Hamburg – Le Havre route rose 0.8 per cent points to 30.2 per cent in 2023.

Roll-on/roll-off traffic has experienced a slight decrease of 2.1 per cent, but the throughput of new cars has increased and boosted the transport equipment throughput (in units). In 2023, 3.58 million new cars were handled, showing an annualised growth of 9.0 per cent. RoRo vessels have seen a slight decrease of 1.5 per cent in the throughput of unaccompanied cargo (excluding containers). More than half of these losses are linked to the UK, which have decreased by 4.9 per cent, while traffic related to Ireland has increased steeply by 17.9 per cent. Scandinavia traffic is holding up.

The dry bulk segment has experienced a decline of 13.9 per cent on last year. The demand for coal was high in 2022 due to the energy crisis, but has since fallen sharply. Fertilisers, which were already down last year partly due to sanctions

# SARENS INVOLVED IN MAINTENANCE WORKS AT WHITLA WIND FACILITY IN ALBERTA

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## Sarens Involved in Maintenance Works at Whitla Wind Facility in Alberta



PUBLISHED JAN 14, 2024 2:00 PM BY THE MARITIME EXECUTIVE

[By: Sarens]

This windfarm, which last phase was commissioned in 2021, is capable of avoiding more than one million tons of CO2 per year which would have been produced by fossil fuel power generation, equivalent to taking more than 200,000 vehicles off the road.

Sarens worked on the assembly and disassembly of blades, rotors, gearboxes and main shafts to ensure the correct operation of the wind turbines.

Sarens has extensive experience in wind farm maintenance in Canada, having worked on the Golden South Wind Project in Assiniboia and the Blue Hill Project in Saskatchewan, among others.

Sarens, world leader in heavy lifting, engineered transport and crane rental services, has worked on the maintenance maneuvers at the Whitla Wind facility, the largest in Alberta. In this case, Sarens' engineering team was in charge of the lifting of the blades, rotors, gearboxes and main shafts for four turbines (T-79, T-80, T-81 and T-7). The hub height of each tower is measured at 105 meters and the average weight of the components came in at 31 tons.

This wind farm has an installed capacity of 352.8 MW, which allows it to generate enough energy to power more than 100,000 homes per year. Located in Forty Mile, Alberta, it consists of 88 turbines 117m wind turbine of 3.6 MW each, with a hub

# MEGA CRANE DEMAND IS ON THE RISE

## Mega crane demand is on the rise



**D. Ann Shiffler**  
 Editor, American Cranes & Transport

09 January 2024  
 11 min read

Around the world, super huge lifts are being performed that could only be accomplished by a super heavy lift crane. Such is the case at the Hinkley Point C Nuclear Power Station in the United Kingdom, at a semi-conductor plant in Phoenix, AZ and at a refinery in India, to name a few.



The market for mega cranes is small but demand for these specialized lifters is growing. Photo: Liebherr

Cranes on these jobs include the Sarens SGC 250, the Manitowoc 31000 and the Mammoet PTC210 DS, respectively. Deep South Crane & Rigging deploys its 3,000-ton capacity VersaCrane to oil and gas refinery projects as does Lampson International with its Transi-Lift mega cranes.

"Demand is increasing for mega cranes in the United States," said Lampson International's Kate Lampson. "We are starting to see an uptick

in requests for our Lampson Transi-Lift in a number of industries and for various applications."

### A growing need

The demand for super heavy lift cranes can be influenced by various factors, contends Carl Sarens, director of technical solutions, projects and engineering, for Sarens.

"Whether there is a growing need depends on the trends and developments in key industries," he said. "There are several indications that currently contribute to a growing need for super heavy lift cranes such as the expansion of renewable energy and a push for net zero emissions globally, a surviving and still thriving oil and gas and petrochemical market. It's important to note that these trends and needs may evolve over time based on economic conditions, technological advancements and shifts in global priorities."

Lampson said that supply chain issues and restrictions on certain industries continue to challenge this market.



# SARENS INVOLVED IN MAINTENANCE WORKS AT WHITLA WIND FACILITY IN ALBERTA

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## Sarens involved in maintenance works at Whitla Wind facility in Alberta



Pond Dalkey on January 6, 2024 - In News, Projects

This wind farm, which last phase was commissioned in 2021, is capable of avoiding more than one million tons of CO2 per year which would have been produced by fossil fuel power generation, equivalent to taking more than 200,000 vehicles off the road.

Sarens worked on the assembly and disassembly of blades, rotors, gearboxes and main shafts to ensure the correct operation of the wind turbines.

Sarens has extensive experience in wind farm maintenance in Canada, having worked on the Golden South Wind Project in Assiniboia and the Blue Hill Project in Saskatchewan, among others.

Sarens, world leader in heavy lifting, engineered transport and crane rental services, has worked on the maintenance maneuvers at the Whitla Wind facility, the largest in Alberta. In this case, Sarens' engineering team was in charge of the lifting of the blades, rotors, gearboxes and main shafts for four turbines (T-79, T-89, T-91 and T-7). The hub height of each tower is measured at 105 meters and the average weight of the components came in at 21 tons.

This wind farm has an installed capacity of 551.8 MW, which allows it to generate enough energy to power more than 100,000 homes per year. Located in Forty Mile County, it consists of 59 Vestas V150 wind turbines of 3.6 MW each, with a hub height of 105

# SARENS INVOLVED IN MAINTENANCE WORKS AT WHITLA WIND FACILITY IN ALBERTA



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## Sarens involved in maintenance works at Whitla Wind facility in Alberta

Published by Jessica Casey, Editor  
Energy Global, Friday, 26 January 2024 12:02



Sarens, a world leader in heavy lifting, engineered transport, and crane rental services, has worked on the maintenance manoeuvres at the Whitla Wind facility, the largest in Alberta. In this case, Sarens' engineering team was in charge of the lifting of the blades, rotors, gearboxes and main shafts for four turbines (T-02, T-03, T-04 and T-7). The hub height of each tower is measured at 105 m and the average weight of the components came in at 31 t.

This wind farm has an installed capacity of 351.6 MW, which allows it to generate enough energy to power more than 100,000 homes per year. Located in Forty Mile County, it consists of 90 Vestas V130 wind turbines of 3.6 MW each, with a hub height of 105 m and a rotor diameter of 130 m. According to Capital Power, the company that owns and operates the project, Whitla Wind will prevent the emission of more than 1 million t/y of carbon dioxide, which is equivalent to taking more than 200,000 vehicles off the road.

The Whitla Wind project contributes to Canada's efforts to transition to cleaner, low-carbon energy, so it is therefore particularly important to keep energy production stable by reducing breakdowns through proper maintenance. For this reason, Vestas commissioned Sarens to lead the logistical manoeuvres of transport – via Sarens Trucking from Fincher Creek, AB – and the lifting and lowering of the various parts to reduce downtime and optimise the energy production of the facilities.

Taking into account the variables to be considered, such as component weight, tower height, and access for machinery assembly, the Sarens team of experts selected the Demag CC 3500-Crawler Crane configured with 105 m main boom, 42 m lifting jib, 130 Tn Main CWT, 30 Tn Carbody CWT, and 150 Tn Super Ft CWT. This crane was selected because of the height of the towers as this particular configuration would allow for a boom tip height of 120 m with remaining under 75% of the crane's lifting capacity.

The Whitla plant uses state-of-the-art wind turbines, designed to optimise the utilisation of the wind resource while reducing noise and wear and tear. The turbines are connected to an electrical substation, from where the power is transmitted to the provincial grid via a 240 kV, 34 km high voltage line. The project has a remote control supervision system, which allows the turbines to be monitored and operated from a centralised control centre, ensuring safe and efficient operation. The project has been developed in several phases, with the first phase coming into commercial operation on 1 December 2019 and phases 2 and 3 on 1 December 2021.

For more news and technical articles from the global renewable industry, read the latest issue of Energy Global magazine.

### Energy Global's Winter 2023 Issue

The Winter 2023 issue of Energy Global features an array of technical articles, weather analysis, geothermal solutions, energy storage technology, and more. This issue also features a regional report looking at the future of renewables in North America, and a report from Theodore Reed-Matth, Editorial Assistant, Energy Global, on how to build resilient electricity grids for renewable energy.

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## Sarens assists in installing the revolutionary technology for cancer treatment in Kazakhstan

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Sarens installs Proton Therapy System Pro-Beam 360 in Nur-Sultan, Kazakhstan.



Sarens was asked by its client Mabatex Group to install the Varian ProBeam 360 multi-room system for Siemens Healthcare at the National Research Oncology Center (NROC) at Kerey and Zhanibek Khans St 3 in Kazakhstan Capital city Nur-Sultan, Kazakhstan.

The multi-room version will be an expandable version of the single room ProBeam 360 solution. Treatments can be delivered with an unmatched combination of speed, flexibility, and cost efficiency. This cutting-edge proton therapy technology promises to revolutionize cancer treatment in the region.

The project involved assembling more than 200 sub-assembling parts and four units of heavy lift equipment. Sarens offloaded, stored, organized, and assembled the parts. All the parts had to be lifted inside the building making them blind lifts. The team made multiple site visits and planned the project precisely. The equipment selected were:

- 80-tonne mobile crane
- 7-tonne forklift
- 500-tonne mobile crane

According to Sarens' project manager: "We were working in a fully constructed hospital and had to make sure that all heavy lifting operations were carefully executed to ensure that the floors and wall paints are not damaged." All the components were safely lifted and installed in the estimated



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PRESS RELEASE

Published January 5, 2024

Coherent Market Insights



The **Specialized Flat Trailer Rentals Market** research report represents major insights on the current growth dynamics as well as the primary revenue generation elements that are available in the Specialized Flat Trailer Rentals industry along with various other factors over the predicted period 2023-2030. The report on the Specialized Flat Trailer Rentals market is focusing on a series of parameters including top manufacturing strategies, industry share, prime opportunities, industrial channels, profit margin, etc. The research study on the global Specialized Flat Trailer Rentals market is liable to showcase essential development in distinct regions including the United States, Europe, Asia Pacific, and Others.

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Welcome to the new year.

Our Cranes Today January 2024 Issue is now available (for download or reading online) [here](#):

### Job of the Month

Felbermayr replaces a wind turbine gearbox atop a mountain ridge despite increasing wind speeds.

### Specialised transport

A safe and secure place to park-up for abnormal load drivers in Europe could be guaranteed. ESTA and ESPORG are looking to make this so. Christian Shelton reports.

### Digitalisation

Liebherr is at the cutting edge of the digital era and actively shaping the future. Christian Shelton reports.

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High-rise buildings need high-rise cranes. Julian Champkin looks at flat-tops and new designs of luffers.

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# ESTA'S SPMTs SAFETY WORK GETS INDUSTRY-WIDE SUPPORT



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Photo © Royal Wapenvoeg

Members of the European association for the abnormal road transport and mobile crane rental industry, ESTA, have voiced their support of the association's work to improve safety during the use of SPMTs and establish an internationally accepted training qualification for operators.

ESTA has already published a new transport stability guideline for the use of Modular Hydraulically Suspended Trailers, and it is progressing plans to develop SPMT operator training through the launch of ETOL – the European Transport Operators Licence – using the structures developed for the European Crane Operators Licence.

The stability guideline is the result of work carried out by ESTA's SPMT working group whose member companies come from eight different countries, reflecting the widespread concern across Europe.

The new guideline specifies the factors to be considered when verifying the global stability and capacity of a modular hydraulically suspended trailer by calculation, assuming that the trailer is operating on a stable surface.

It also details the conditions and considerations for the local stability of trailers within a transport arrangement and the stability of the cargo itself and is referenced in the DNV S1-N001 Maritime Operations Standard published by DNV, the independent experts in assurance and risk management.

The guideline will eventually be incorporated into a completely updated best practice guide expected to be published next year, but the authors saw no reason to delay publishing the important stability guideline in the meantime.

ESTA Director **Jon Klign** said: "Of course, we have been working on improving our industry's safety and efficiency for many years – that is what ESTA exists to do. But the truly exceptional response we have received for this project shows just how important is our work in this area."

"We are now working on the next stages of the best practice guide while at the same time developing the organisational structures that will enable us to bring transport operator training and certification into the framework originally developed for crane operators through ECOC," he added.

The companies in the SPMT working group are Colwell, Cornetto, DNV, Hageli, Goldhofer, Mammoet, Sarrea, Siemens Gamesa, Technip, TH Group and Wapenvoeg.

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# SARENS COMPLETES NANTES AREA A11 BRIDGE LIFT



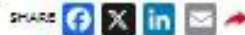
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HOME NEWS HIGHWAY & NETWORK MANAGEMENT SARENS COMPLETES NANTES AREA A11 BRIDGE LIFT

## Sarens completes Nantes area A11 bridge lift

In France, Sarens used four Kamag SPMTs – self-propelled modular transporters – to move a bridge deck 70m and place it over the A11 at the autoroute’s Portes de Gesvres interchange.

Highway & Network Management / December 27, 2023 1 minute Read



By David Arminas



*Because the job site was located along the A11 autoroute, there was limited space and access for vehicles and equipment. (Image courtesy Sarens)*

Heavy lift specialist Sarens reports that it successfully maneuvered a 740-tonne bridge deck into place as part of A11 autoroute upgrade work near Nantes, France.

The 343km-long A 11 autoroute – also called L’Océane – connects Paris with Nantes via Le Mans and Angers. Sarens Technical Solutions and Engineering conducted the lift on behalf of customer Bouygues Travaux Publics Régions France and owner VINCI Autoroutes. The Sarens team successfully jacked up, transported and installed the 110m-long curved steel structure at the A11’s Portes de Gesvres interchange.

Equipment involved four Kamag SPMTs – self-propelled modular transporters – with six axle lines each. There were four CS450 towers with 12 elements on one side and another four CS450 towers with 10 elements on the other side.

The CS450, in particular, was chosen for its higher elements that allow the crew to jack down faster. This was especially important due to the project’s exacting time constraints. The A11 would be closed for only six hours during the night, giving the crew limited time to drive the SPMTs the 70m from where the bridge deck was constructed and placed it back onto the structure into place on the final level of

# ENERPAC GANTRY SYSTEM LEAPS INTO ACTION ON SYDNEY RAIL PROJECT



## ENERPAC GANTRY SYSTEM LEAPS INTO ACTION ON SYDNEY RAIL PROJECT

22 December 2023

[PRINT PAGE](#)  [EMAIL](#) 

When, due to unforeseen issues, a company working on Sydney's Botany Rail Duplication Project had to make last-minute changes to the way it would transport two concrete bridge girders approximately 800m along a public road, before bringing them within reach of the crane for installation, it turned to Sarens for help.

Firstly, Sarens mobilised equipment from a nearby project, using a trusted third party to transport everything to the job site within a day. It then used an Enerpac SBL1100 gantry system, 30 axle lines of K24 self-propelled modular transporters (SPMTs) and a powerpack unit to relocate the two girders.

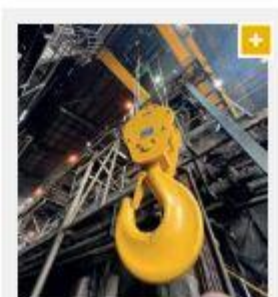
Because of the nearby Sydney, Australia, airport, the team had to stay below a hard ceiling of 8m maximum, so using a crane was not an option, which is why Sarens deployed the 1,000t capacity gantry to safely lift the beams up and drive the SPMTs underneath. The beams – the first girder measured 20m long and weighed close to 160t, while the second was approximately 18m long and weighed about 140t – were then lashed down and transported to their final destination.

Sarens describes this last-minute challenge as "a triumph" for both itself and the client, infrastructure specialists John Holland.

"Projects like these normally require a few weeks of preparation," says Michiel de Bodt, technical solutions sales manager at Sarens. "However, we knew what we had to do and had the trust of our client... If we hadn't delivered, our client would have suffered major delays on their project and we weren't going to let them down."

### Sweet install

Queensland, Australia-based Crane Logistics recently tackled one of its biggest overhead crane installs yet when it helped fellow Queenslanders NQCranes – an overhead crane service business – to decommission and replace a 50/8t milling train crane for Wilmar Sugar Australia at its Proserpine Mill with a new, custom-built NQCranes/Stahl crane.



# HINKLEY POINT C DOME LIFTED INTO PLACE



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## PROJECTS

# Hinkley Point C dome lifted into place

By Sophie Barnes | 21 December 2025



Heavy lift and transport engineering specialist Sarens used its heavy lift crane, Big Carl, to place a 47 m-wide dome onto EDF's Hinkley Point C's first reactor building.



Source: EDF

Big Carl has lifted the 245-tonne domed roof onto the first reactor building.

Earlier this month, the crane experienced the 750-tonne boiler cover into place. The crane has a capacity of 1,000 tonnes.

# CRANE RENTAL SERVICE MARKET MARKET INDUSTRY ANALYSIS, SEGMENTS, TOP KEY PLAYERS, DRIVERS AND TRENDS

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PRESS RELEASE  
 Published December 19, 2023  
 PRWireCenter



Latest Research Report [2024-2031] on [Crane Rental Service Market Market](#) by Size, Latest Trends, Share, Types(Long-term Rental,Short-term Rental), and Applications(Building and Construction,Civil Engineering,Power Plant,Petrochemical Industry). It offers a thorough study that includes chances for corporate growth, obstacles to overcome, and new trends. Analysis and Forecast, 2031 report provides a detailed analysis of the key growth factors that are accelerating the market's sales globally. The report offers a thorough analysis of the state of the industry, including market size, share, projected trends, growth rate, distribution channels etc. [99 pages report]

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## SARENS' BIG CARL CRANE INSTALLS THE 245 TON DOME AT HINKLEY POINT C

# SARENS' BIG CARL CRANE INSTALLS THE 245 TON DOME AT HINKLEY POINT C

Sarens SGC-250 crane placed the 245 ton dome onto Hinkley Point C's first reactor building. The major milestone closes the roof on the first reactor building, allowing the first nuclear reactor to be installed next year. The power station's two nuclear reactors will provide reliable zero-carbon electricity for six million homes, boosting Britain's energy security for decades to come.

The dome is the top part of the reactor building's inner containment – a steel cylinder encased in concrete. Measuring 47m in diameter, it is wider than the dome of St Paul's Cathedral – and made up of 38 prefabricated panels which were shipped to Hinkley Point C and welded together in an onsite factory. Prefabrication and modular construction are key features of Hinkley Point C's construction.

Big Carl's latest lift highlights the progress being made at Hinkley Point C, where 10,000 workers and 3,500 British companies are building a power station which is essential in helping Britain achieve Net Zero. Hinkley Point C will power 6-million homes with reliable zero carbon electricity made in the UK.

Sarens SGC-250 has a maximum load moment of 250.000TM, allowing it to lift an astonishing 5.000T. Even at a larger radius of 100 meters, it can lift an amazing 2.000T. SGC-250, designed in-house by Sarens, has the most unique ability in the global crane industry to relocate the fully-rigged crane on site from one lifting position to another.

*(Source: EDF/Sarens – Image: Installation of Hinkley Point C dome/Sarens)*



# 16 AXEL LINES OF SARENS' SPMT K24 FROM TII SCHEUERLE TRANSPORT 360T SUBMARINE THROUGH GDYNIA

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28 Jan 2024

## 16 Axel Lines of Sarens' SPMT K24 from TII SCHEUERLE Transport 360t Submarine through Gdynia

Topic: 360t Submarine, Gdynia, Muzeum Marynarki Wojennej w Gdyni, ORP Sokół, Polish Navy, Sarens, SPMT K24, TII, TII Scheuerle

Towards the end of last year, the Polish submarine, ORP Sokół, made its way through the streets of Gdynia, transported by Sarens on 16 axle lines SPMT K24 belonging to TII's customer Sarens.

Formerly HNoMS Stord the submarine was built in 1966 in Germany for the Norwegian Navy.

The 360-ton submarine was transferred to the Polish Navy in 2002 and retired in 2018.

After a meticulous restoration by the Gdynia Naval Shipyard the ORP Sokół has been transferred to its new base where it will be an open air exhibit at the Muzeum Marynarki Wojennej (Naval Museum in Gdynia)

# SARENS PSG MARSHALLING MORAY WEST OWF MONOPILES AT THE INVERGORDON MONOPILE IDP

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18 Jan 2024

## Sarens PSG Marshalling Moray West OWF Monopiles at the Invergordon Monopile IDP

Topic: Cosco HTV Xiang He Kou, Intermediate Delivery Port, marshalling services, Moray West, Sarens PSG, Scottish marshalling harbours, XXL monopiles

Over the past days, the Sarens PSG team has safely executed the load in of a further 8 XXL monopiles from Cosco HTV Xiang He Kou, at the Invergordon Monopile IDP (Intermediate Delivery Port). The monopiles weighing up to 2000mt are destined for the 882MW Moray West OWF (Offshore Wind Farm) in the outer Moray Firth.



# SARENS LIFTING TANKS AT PRAYON'S PLANT IN PUURS-SINT-AMANDS, BELGIUM

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16 Jan 2024

## Sarens Lifting Tanks at Prayon's Plant in Puurs-Sint-Amands, Belgium

Topic: 21.8t tank, 25t tank, 63m of fly jib, 8 axle SPMT, Belgium, LTM1200 crane, LTM1650 crane, LTM1650 crane, phosphorus chemistry, Prayon, Puurs

Prayon is an international company specialized in phosphorus chemistry. The production plant located in Puurs-Sint-Amands is its second largest production site, which produces phosphoric acid as well as fluoride and phosphate salts that are used in a wide range of technical, food and agricultural applications. Puurs-Sint-Amands also hosts one of the 3 R&D centers of the Group.

Sarens, world leader in heavy lifting, engineered transport and crane rental, has worked with its client Evens on the extension and improvement of the Prayon's plant in Puurs, where a 25t T07D tank and a 21.8t MARP tank were installed.

Prior to this installation, the Sarens technical team unloaded the two tanks from the barge on which they were transported to the quay using an LTM1200 crane unit with a 72t counterweight, to be placed on an 8-axle SPMT for transport to their final location.

On site at Prayon, the Sarens team worked on lifting the two tanks for installation. An operation that required the skill of the crane operators, as a 700t crane with boom lift could not be used to place the MARP tank at 65.5m



# SARENS PROJECTS SUPPORTING VIRGINIA INTERNATIONAL TERMINALS' COASTAL VIRGINIA OFFSHORE WIND PROJECT

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12 Jun 2024

## Sarens Projects Supporting Virginia International Terminals' Coastal Virginia Offshore Wind Project

Topics: Coastal Virginia Offshore Wind, Dominion Energy, Jackets, Monopiles, Offshore substations, offshore wind project, Portsmouth Marine Terminal, Sarens Projects, SunShine, topsides, Transition Pieces, USA, Virginia International Terminals

Sarens Projects in the USA is excited to support their client, Virginia International Terminals (VIT), with operations at the Portsmouth Marine Terminal (PMT), the hub for offshore wind projects including the momentous Coastal Virginia Offshore Wind (CVOW) farm.

There are currently only twelve wind turbine generators off the Eastern U.S. coast, and CVOW promises to be the largest project of its kind in the United States. Sarens' presence on this important project reflects their long-term commitment to the future of offshore wind projects in the U.S. and across the globe.

The pivotal 2.640 MW Coastal Virginia Offshore Wind project, developed by Dominion Energy, is located some 26-40 miles (43-67 kilometres) off the coast of Virginia. It will consist of 176 wind turbine generators (WTGs) connected to three offshore substations, each capable of transferring 880 MW. These substations will then convert the generated power from 66kV to 235kV before transferring it onshore.

From now through 2025, Sarens will receive and load out a total of 176 monopiles, 176 transition pieces, and jackets and topsides for the three offshore substations.

Sarens' on-site involvement in the project commenced on October 19, 2023, with the arrival of the vessel SunShine after the Sarens team in Rosock, Germany, had successfully loaded it with the first eight monopiles.

Over the course of the next three days, the Sarens VIT team smoothly and successfully unloaded the monopiles, swapped out the shipping saddles, moved the piles to storage, and returned the shipping

# TRANSPORTATION, ASSEMBLY AND INSTALLATION BY SARENS AT FORT MCKAY FACILITY

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11 Jan 2024

## Transportation, Assembly and Installation By Sarens at Fort McKay Facility

Topics: Assembly, Canada, Fort McKay, furnace, Horizon Oil Sands Project, Installation, transport, VLM bridge module, VLM module

When clients need full-service solutions for complex transportation and lifting challenges, they turn to Sarens. Applying their world-class engineering expertise and equipment to real-world challenges is a Sarens hallmark, and they recently had the opportunity to do just that as they engineered the assembly, transport, and installation of three major unit (VDU) components for the Horizon Oil Sands Project in Fort McKay, Canada.

The Sarens team collaborated with the client over a period of six months, starting in 2019, to develop plans for the assembly and installation phases of the project. Sarens advised the client on equipment installation logistics and assembly design that would be vital to a safe and successful operation. Sarens was also responsible for conducting a route study, identifying civil works improvements that would be required to transport the components from the temporary facility to the operational unit.

The components to be installed included two large process modules and a large furnace heater.

- The 800t VLM module measured:
  - 20.1m
  - 10.5m

# LIEBHERR, SARENS AND KAMAG DEVELOP THE SPMT BALLAST TRAILER

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30 Dec 2023

## Liebherr, Sarens and KAMAG Develop the SPMT Ballast Trailer

Topics: ballast trailers, Kamag, Lattice Boom Cranes, Liebherr, Liebherr LICCDW Control System, LR 11000, SPMT's

**This news item was first published 9 December 2020 and is rated the 3rd best viewed news item on [www.heavyliftnews.com](http://www.heavyliftnews.com) since 1st January 2019**

Liebherr has developed an interesting alternative for the derrick ballast of crawler cranes, working closely with global crane and heavy haulage contractor Sarens and heavy haulage vehicle manufacturer KAMAG - SPMTs from KAMAG are used as ballast trailers.

When it bought an LR 11000, Sarens came to Liebherr with the idea of investigating whether SPMTs (self-propelled modular transporters) could be used as ballast trailers. The benefit for the global heavy haulage contractor is obvious - it has KAMAG K24 SPMTs at almost all of its outlets.

The idea was not completely new, as Liebherr had already tried similar solutions with other crane models. However, to date the SPMTs had never been controlled direct from the crane. Separate personnel had to communicate with the crane operator and enabled the SPMTs to track the crane's movements.

Everybody involved in the project agreed that a solution now had to be developed to allow the SPMTs to be controlled by the crane's control system, just like a standard ballast trailer.

# GOLDEN BRIDGE AWARD FOR CARBON REDUCTION 2023 AWARDED TO SARENS

The screenshot shows a news article header. At the top left is the 'HEAVYLIFT NEWS' logo. To its right are navigation links for 'Company Profiles' and 'Sponsored News'. Below these are two banners: one for 'SafeLifting.eu RENTAL' with contact information and the tagline 'THE BIGGEST HEAVY LIFT RENTAL FLEET IN THE UNIVERSE', and another for 'Moduli' with the tagline 'working between the best ones!'. The main graphic is a stylized illustration of a city skyline with a large golden archway in the center, and the text 'GOLDENBRIDGE TRADE & INVESTMENT AWARDS' at the bottom.

19 Dec 2023

## Golden Bridge Award for Carbon Reduction 2023 Awarded to Sarens

Topics: Belgium-Luxembourg Chamber of Commerce in Great Britain, carbon reduction, Golden Bridge Awards, innovative solutions, Renewable Energy Sector, Sarens, sustainable practices

The Golden Bridge Award for Carbon Reduction 2023 has been awarded to Sarens in recognition of their commitment to sustainable practices and innovative solutions at the forefront of the renewable energy sector, providing intelligent solutions to heavy lifting challenges. The Golden Bridge Awards are presented annually by the Belgian-Luxembourg Chamber of Commerce in Great Britain to the most successful companies from Belgian and Luxembourg exporting to or trading in the UK.



# CUTTING-EDGE PROTON THERAPY TECHNOLOGY INSTALLED BY SARENS IN NUR-SULTAN, KAZAKHSTAN

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18 Dec 2023

## Cutting-Edge Proton Therapy Technology Installed by Sarens in Nur-Sultan, Kazakhstan.

Topics: Kazakhstan Capital, Mabetex Group, National Research Oncology Center, Nur-Sultan, Siemens Healthcare, Varian ProBeam 360 multiroom system

Sarens was asked by their client Mabetex Group to install the Varian ProBeam 360 multiroom system for Siemens Healthcare at the National Research Oncology Center (NROC) at Kerey and Zhanibek Khans St. 3 in Kazakhstan Capital city Nur-Sultan, Kazakhstan.

The multi-room version will be an expandable version of the single room ProBeam 360 solution. Treatments can be delivered with an unmatched combination of speed, flexibility, and cost efficiency. This cutting edge proton therapy technology promises to revolutionize cancer treatment in the region.

The project involved assembling more than 200 sub-assembling parts and four heavy lift equipment. Sarens offloaded, stored, organised, and assembled the parts. All the parts had to be lifted inside the building making them blind lifts. The team made multiple site visits and planned the project precisely. The equipment selected consisted of:

- 80t mobile crane



Sarens Lifting the Varian ProBeam 360.



# SARENS MOVE HISTORIC MONUMENT OF THE COMBATANTS OF HAUTE-GARRON IN TOULOUSE

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SPMT GENERATION



11 Dec 2023

## Sarens move Historic Monument of the Combatants of Haute-Garron in Toulouse

Topic: Bouygues Travaux Publics, Kamag SPMTs, Monument of the Combatants of Haute-Garron, Sarens, Toulouse

Toulouse is home to significant monuments and statues, among them the Monument of the Combatants of Haute-Garron, a large memorial commemorating all those who fought in the two world wars. But with the construction of a new metro station below, below, Sarens' client, Bouygues Travaux Publics, needed to carefully move the historic monument to a new temporary location until the metro's completion in 2028.

This particular operation posed significant challenges, not least because of the historic nature of the memorial, which was constructed between 1920 and 1928. Disassembly of the monument by crane was therefore not an option, as its materials and construction were too fragile for such an operation.

Instead, Sarens was called in to conduct an extremely precise, slow, and methodical pickup and transport operation via SPMTs. As the operation progressed, the very fragile monument had to constantly be monitored for horizontality and cracks during pick-up, transport, and drop-off. Adding to the challenge was the presence of the metro tunnel below, which also had to be constantly monitored for cracks.

The crew had to work under very demanding circumstances as there was very limited space for the SPMTs with their powerpacks. The team opted for a 3 x 19 axle line with three powerpacks, because a 3 x 20 axle line could not fit and a 3 x 18 was unable to take the load.

The client had built a special frame around the monument, enabling it to be jacked up and transported while avoiding stress on the foundations that could lead to a collapse. Bouygues Travaux Publics also improved soil conditions up to 90cm deep, so the ground could withstand the high axle pressures under the Kamag SPMTs. Driving plates were also added where necessary.

# SARENS' BIG CARL LIFTS 750T POLAR CRANE AT HINKLEY POINT C

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7 Dec 2023

## Sarens' Big Carl Lifts 750t Polar Crane at Hinkley Point C

Topics: Big Carl, 425 giant polar crane, Hinkley Point C, maintenance, Reactor Building, refuelling, Sarens

EDF at Hinkley Point C have released new photographs of Sarens' Big Carl lifting the giant polar crane into the first reactor building.

This crane will rotate 360° at the top of the building and will be used to install heavy equipment during construction, such as the reactor and steam generators. It will also be used when the power station is operational for refuelling and maintenance.

Weighing in at 750t, it's one of the heaviest lifts ever carried out on site.

The polar crane is one of the final pieces of equipment to be installed in the reactor building before the dome is lifted into place to close the roof.



# CHALLENGES FACED BY SARENS INSTALLING LOCKS ON RIVER SEINE

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23 Nov 2023

## Challenges Faced by Sarens Installing Locks on River Seine

Topics: CC2800-1 crane, France, Heavy Lift News, Karel-Viktor twin barge, Matière, Normandy, Notre Dame de la Garenne, Seine

What does it take to manoeuvre through difficult channels of water, clear low bridges, and install massive locks at a busy quayside? It takes the brilliance of Sarens engineering, world-class equipment, and a legacy of success in executing demanding water and land operations.

From April 28th through May 2nd, 2023, Sarens proved once again what it means to be the leader in innovation and heavy lifting, installing locks at the Radicatef quayside in Notre Dame de la Garenne in Normandy, France. The Sarens Technical Solutions & Engineering team developed and executed this significant project on behalf of client Matière.

For this special mission, the crew planned to install the CC2800-1 crane on the Karel-Viktor twin barge, which would be coupled longitudinally for installation. The Karel-Viktor was chosen because it had the capacity to transport and install the lock parts while respecting 12m width restrictions. The barge also had to be low enough to pass underneath bridges, in some cases with only a 30cm clearance.

The Sarens team was tasked with planning around frequent boat deliveries at the quay, but the biggest challenge would be stabilising equipment during a water-based operation that could include heavy winds and waves. In addition to the twin barge and CC2800-1 crane used to lift the lock parts, Sarens provided BC200 ballast pumps to ensure barge stability during load-in and installation, as well as hydraulic winches to position the barge correctly.



# GHENT JAZZ FESTIVAL TENT FRAMES INSTALLED BY SARENS

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5 Dec 2023

## Ghent Jazz Festival Tent Frames Installed by Sarens

Topics: AC50, Belgium, Ghent Jazz festival, Heavy Lift News, Louis Huys Special Transport, LTM1150, main tent frame, Sarens

Sarens was asked by their client Louis Huys Special Transport to lift the preassembled frames of the main tent and other smaller tents for the Ghent Jazz festival in Belgium. The Ghent Jazz musical festival is one of the most popular and much awaited events organised in Ghent each year.

The frames had a maximum weight of 6t and had a maximum height of 15m. These preassembled frames had to be lifted and installed in a confined space right in the center of the city. Considering the load details and the space available Sarens used the LTM1150 as the main crane and two smaller AC50 cranes.

The equipment was transported by road within two days. Once on site, it took the crew about two hours to set up the equipment, working within the limitations of available space for pre-assembly. Four crew members proceeded with the lift by uprighting the pre-assembled frames, which were fixed on hinges.

Obstacles had to be removed and steel plates had to be installed to reduce the ground bearing pressure. Their client was extremely satisfied with Sarens' equipment and crew who safely installed the structures in a limited time.

# BIG CARL LIFTS HINKLEY POLAR CRANE INTO PLACE



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EQUIPMENT

## Big Carl lifts Hinkley polar crane into place

6 December 2023



Sarens' SGC-250 crane, named Big Carl, has lifted the 750-tonne polar crane into place at Hinkley Point C nuclear power plant project in the UK.



The polar heavy-duty crane will rotate 360 degrees at the top of the building and will be used to install heavy equipment during construction, such as the reactor. It will also be used when the power station is operational for refuelling and maintenance.

With the lift completed, the first reactor building at the nuclear plant is ready for the dome to be installed.

Cranes | Sarens



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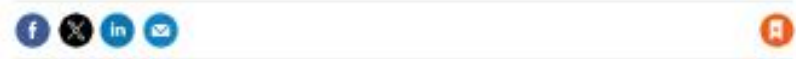


# CHANGES AT THE TOP FOR ESTA

BUSINESS

## Changes at the top for ESTA

By Sophie Barnes | 14 November 2025




The European association of abnormal road transport and mobile cranes (ESTA) has appointed Iffet Türken, executive board member at Kässbohrer, as president of its section transport.



Source: ESTA 14/11/2025  
Iffet Türken

Türken succeeds André Friderici, who is stepping down from the role after more than a decade at the helm. Friderici, who is technical director of Swiss heavy transport and lifting company Friderici Spécial, will stay on the ESTA board in Türken's previous role as vice president to assist in the transition.

# PSG TAKES DELIVERY OF GROVE ROUGH-TERRAIN CRANE



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EQUIPMENT

## PSG takes delivery of Grove rough-terrain crane

By Sophie Barnes | 10 November 2023



Scottish marine services company, PSG Marine & Logistics (PSG), has received the first Grove GRT8100-1 rough-terrain crane in the UK.



The Win

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# MERGERS, ACQUISITIONS, AND EXPANSIONS: A YEAR OF CONSOLIDATION

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## Mergers, acquisitions, and expansion year of consolidation

Sponsored by Northwest Seaport Alliance (NWSA) | 13 December 2023



Throughout 2023, the project logistics sector saw some key players expand their footprint to target new markets or reinforce their position. It comes off the back of a largely positive outlook for the market, with several industry verticals set to provide a swathe of work around the globe.

At the beginning of 2023, Maersk completed its acquisition of Danish project logistics provider Martin Bencher Group, setting the stage for the official launch of **Maersk Project Logistics** later in the year. That was not the only (semi) new name to the market in 2023, as former Tschudi Logistics boss Thomas Vestergaard launched **United Project Forwarding Group (UPF Group)** at the start of the year, backed by UHL's CEO Lars Bonnesen as an investor. Described as a "cousin" to the United Shipping Group, UPF is made up of a group of logistics companies from around the world and aims to be a personal partner in an increasingly digitalised market.

Further still, Maersk was not the only container conglomerate to target the logistics space once again this year, with **CMA CGM placing an offer to acquire Bolloré Logistics** during April. That deal has progressed throughout the year and industry sources suggest that by 2024, Bolloré Logistics will be integrated and become CEVA Logistics – CMA's other transport and logistics subsidiary. Bolloré Group's previous deals with container titans also saw the former Bolloré Africa Logistics rebrand as Africa Global Logistics (AGL) following the 2022 acquisition by MSC.





# SARENS COMPLETES WORK SCOPE IN TAICHUNG MARSHALLING HARBOUR FOR JAN DE NUL NV

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COMETTO'S NEW  
SPMT GENERATION



21 Nov 2023

## Sarens Completes Work Scope in Taichung Marshalling Harbour for Jan De Nul NV

Topics: Formosa 2 OWS, HeavyLiftNews, Jeddah, Jan De Nul nv, pin piles, Sarens, storage, Taichung Marshalling Harbour, taiwan, transport

Sarens is pleased to have successfully completed the work scope with client Jan De Nul NV. Commencing in July 2020 and completing in September 2022 Sarens lifted and transported 188 pin piles and 47 OWF jackets at the Taichung Marshalling Harbour, Taiwan for the Formosa 2 offshore wind farm. The 376MW wind farm consists of 47 Siemens turbines with jacket foundations placed in waters reaching 55m depths.

For Sarens, the project took place in five phases,

- load-in of the pin piles and transport to storage,
- load-out of the pin piles,
- load-out of the jackets in Batam,
- load-in of the jackets and transport to storage and
- preparation of the jackets for load-out.

During the first phase, Sarens performed the inland transport of 188 pin piles, measuring up to 80m long and weighing up to 280t from the quay to the storage areas. The pin piles were lifted onto Sarens SPMTs via transportation vessel cranes, with Sarens then transporting 25 pin piles within a 72-hour timeframe. This phase was successfully completed within agreed timeframes and with utmost attention to safety.

In the second phase, Sarens commenced transporting 188 pin piles from the long-term storage areas to the temporary quayside storage, allowing for fast turnaround of loading activities. For this portion of the project, Sarens used 28 axle lines of SPMTs to transport the pin piles and the load-out was carried out using 1 R 11 350 crane with 4 wheel lift. Timeline was low during this phase of the project and Sarens

# SARENS DEPLOYED TWELVE STRAND JACKS TO LIFT 925T STEEL ROOF FOR NEW AIRPORT MAINTENANCE HANGAR

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30 Nov 2023

## Sarens Deployed Twelve Strand Jacks to Lift 925t Steel Roof for New Airport Maintenance Hangar

Topics: 12 strandjacks, GLOBALIA - Air Europa, HeavyLiftNews, Madrid-Barajas Airport, maintenance hangar, Sarens, Spain

After years of planning and pandemic delays, Sarens has successfully installed a 925t steel roof for the new GLOBALIA - Air Europa maintenance hangar at Madrid-Barajas Airport in Spain. As part of this visionary operation, Sarens' crew used 12 strandjacks to lift the 3D steel roof structure to a height of 25m.

This project had been a long time in the making, but the operation, like many others, had been delayed over the course of the Covid-19 pandemic. Seeing everything finally come together was a triumph for everyone involved, including key account manager José M<sup>o</sup> Martínez Gutiérrez.

"Watching how the roof was smoothly lifted in just a few hours reminded me of how all this began more than ten years ago, when I was first involved in this project," he said. "Some things take time to be completed, but when you see such an outstanding performance, everything is well worth it."

Sarens used four 185t and eight 100t strand jacks to lift the structure into place, working from twelve lifting points around the hangar's external perimeter. This equipment proved ideal for lifting such huge, flexible, and three-dimensional loads—in this case, a roof measuring 140m x 86m x 10m.

The crew had to be careful to keep all the strand jacks synchronised and moving as one, even as they lifted several different loads per strand jack. The day before the big lift, they conducted a lifting test, bringing the roof just a few centimetres off its temporary supports. This allowed the team to cross-check the theoretical loads and roof deformations with real conditions so they could adapt lifting parameters appropriately.

Although weather conditions delayed the lift a couple of times, the team finally had a good, two-day wind window for the operation. With the right conditions, they successfully guided the roof into place.

All equipment for this operation was delivered from Sarens headquarters via truck and was at the site within one week. Setting everything up was a careful process that lasted several weeks, as the crew had to install the strand jacks on top of auxiliary lifting structures and towers that had been prepared, and because the equipment was only accessible during certain time windows.

Sarens also had to account for a maximum allowed hook height for the auxiliary cranes, due to flight regulations. The crew used a special assembly method that respected these regulations.

# STRONG SUPPORT FOR ESTA'S SAFETY INITIATIVES



SECTORS

## Strong support for ESTA's safety initiatives

19 December 2023



The European association of abnormal road transport and mobile cranes (ESTA) has received "exceptionally strong support" from its members and the heavy transport market for its ongoing work to improve safety during the use of SPMTs as well as its intention to establish an internationally accepted training qualification for operators.



Photo courtesy of Royal Wijkberg.

Last month, ESTA published a new transport stability guideline for the use of modular hydraulically suspended trailers. ESTA is also progressing plans to develop SPMT operator training through the launch of the European Transport Operators Licence (ETOL), using the structures developed for the European Crane Operators Licence (ECOL).



Mod



# CHALLENGING SPACE FOR SARENS' PLANT COMPONENT REPLACEMENT AT KAZAKHSTAN PETROCHEMICAL INDUSTRIES

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SPMT HSPE COMETTO'S NEW SPMT GENERATION



19 Nov 2023

## Challenging Space for Sarens' Plant Component Replacement at Kazakhstan Petrochemical Industries

Topics: Atyrau, COG 250, Suct, HeavyLiftNews, Kazakhstan, Kazakhstan, Kazakhstan Petrochemical Industries Inc, Kobelco, M 18000, Mentovac, narrow gauge, tube bundles

In a confined space, Sarens safely completed installation at the Kazakhstan



## SARENS ROLLING OUT IN THE EIGHTIES

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12 Nov 2023

### Sarens Rolling out in the Eighties

Topics: Egersund, Engineered Transport, HeavyLiftHaws, Innovation, Norway, Sarens

Sarens has always striven to be at the forefront of Engineered Transport, and decades of Innovation enabled the colossal moves for which they are famous.

Even in the 1980s they were tackling massive load-outs, like this one from Egersund, Norway!

Source:  **sarens**

# SANY ALL TERRAINS FOR SARENS



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## SANY ALL TERRAINS FOR SARENS

24 October 2023

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24 units to be used for oil and gas work in Middle East.

Sarens has bought 24 units of Sany's 250 tonne capacity all terrain crane (sold in Europe as the SAC2500E). The cranes were delivered via Sany's official dealer in Bahrain, Giant Heavy Equipment. The all terrain cranes will be used for oil and gas projects across the Middle East.

The crane has a maximum boom length of 75 metres, a maximum lifting height of 111 metres and all wheel steering.



# GLAMOX LUMINAIRES TO ILLUMINATE NORTH SEA SOFIA WIND TURBINES

## RENEWABLE ENERGY

### Glamox luminaires to illuminate North Sea Sofia wind turbines

Bakker Slidrecht has commissioned Glamox to supply marine LED lighting for the RWE-owned Dogger Bank Sofia offshore wind farm in the southern North Sea.

Jan 26, 2024



[View image gallery](#)

*Offshore staff*

**DNED, Norway** – Bakker Slidrecht has commissioned Glamox to supply marine LED lighting for the RWE-owned Dogger Bank Sofia offshore wind farm in the UK southern North Sea.



Glamox will provide 800 marine-certified LED luminaires for the foundation platforms supporting 100 x 14 MW wind turbines 105 km offshore northeast England in 20-30 m water depth.

The foundation structures, to be pre-fitted with the luminaires, will be installed from 2024, with the development due to be completed and generating power in 2026.

The consignment will include floodlights and indoor and seawater-resistant outdoor linear LED luminaires with a life of 100,000 hours and designed to withstand harsh weather.



#### LATEST IN RENEWABLE ENERGY

**Long-term power supply contract for Attentive Energy wind farm offshore New Jersey**  
 (Jan 22, 2024)

**Equinox to go separate ways on Empire Wind, Seaside Wind projects**  
 (Jan 23, 2024)

**Orsted to revise plans for Skipjack wind project offshore Maryland**  
 (Jan 24, 2024)

**Orsted updates developments in Suezle Wind project bid**  
 (Jan 24, 2024)

**Global Maritime managing Hywind turbines servicing operation**  
 (Jan 25, 2024)



# SARENS ASSEMBLES TBM IN EGYPT



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PROJECTS

## Sarens assembles TBM in Egypt

By Sophie Sarraz | 19 December 2015

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Sarens has offloaded and assembled sections of a tunnel boring machine (TBM) for the construction of a metro station in Giza, Egypt, on behalf of its client Concord.





# GLAMOX LUMINAIRES TO ILLUMINATE NORTH SEA SOFIA WIND TURBINES

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## Glamox luminaires to illuminate North Sea Sofia wind turbines

Hakker Sluifrecht has commissioned Glamox to supply marine LED lighting for the RWE-owned Dogger Bank Sofia offshore wind farm in the southern North Sea.

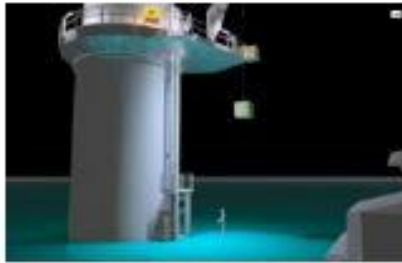
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### Offshore story

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- Equinox bp go separate ways on Empire Wind, Grease Wind projects**  
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- Orsted to revise plans for Skipjack wind project offshore Maryland**  
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- Orsted updates developments in Suezfile Wind project bid**  
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- Global Maritime managing Hywind turbines servicing operation**  
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# HINKLEY POINT C REACTOR BUILDING TOPS OUT

the construction index

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## Hinkley Point C reactor building tops out

© 18 Dec 23 The Hinkley Point C nuclear power station project in Somerset reached a milestone with the installation of the domed roof of the first reactor building.



Aerial view of the Hinkley Point C reactor building with the dome being installed.

“Big Carl”, the world’s largest crane, lifted the 24-tonne, 47m-wide, steel dome into place on Friday morning, closing the roof so allow the first reactor to be installed next year.

Big Carl (officially designated SGC-050) is a platform-mounted lattice-boom crane designed, built, owned and operated by Belgian heavy-lift specialist Genies. It can lift up to 5,000 tonnes at a radius of 40 metres, and lays claim to the title of the world’s strongest land-based crane, although there are larger cranes used at sea in the offshore industry.

The lift, starting at 07:20, was carefully planned to take advantage of a weather window to allow the hour-and-a-half long manoeuvre to be completed in low wind conditions.

The dome is the top part of the reactor building’s inner containment, a steel cylinder encased in concrete, measuring 47m in diameter. It is wider than the dome of St Pauls Cathedral and is made up of 38 prefabricated panels which were shipped to Hinkley Point C and welded together in an onsite factory. Prefabrication and modular construction are key features of Hinkley Point C’s construction.

Earlier this month, the 750-tonne pillar crane was lifted into place in a single piece above the reactor building’s third and final steel lowering ring. This internal crane rotates through 360° above the reactor and will be used for refuelling and installing equipment.



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Simon Parsons, nuclear island area director for EDC, said: “Lifting the dome allows us to get on with the fitting of equipment, pipes and cables, including the first reactor which is on site and ready to be installed next year.”

Nuclear Minister Andrew Rowe said: “This is a major milestone in building Britain’s first nuclear reactor in a generation, and a key part of the UK Government’s plans to revitalise nuclear.”



**sarens**

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# TUNNEL BORING MACHINE OFFLOADED AND ASSEMBLED BY SARENS IN EGYPT

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15 Dec 2023

## Tunnel Boring Machine Offloaded and Assembled By Sarens in Egypt

Topics: CC2600H-SH, Concord, crawler crane, Egypt, Giza, Sarens, TBM, Terex Demag, Tunnel boring Machine

In a time sensitive project, Sarens offloaded and assembled sections of a tunnel boring machine for the construction of the metro station in Giza, Egypt. Concord, their trusted client, asked Sarens to lift and assemble a tunnel boring machine (TBM) within four days in Giza, Egypt.

Sarens rose to the challenge and immediately began planning the project. The TBM components were located at different points on the site. They were mapped and analysed to shortlist the correct equipment to complete the assembly in a limited time.

Their Terex-Demag CC2600H-SH crawler crane was selected and transported from another project site in Egypt and assembled in two days.

The dimensions of the TBM components were:

- Height: 5m
- Radius: 14m

# WHO ARE NORTH AMERICA'S LARGEST SPECIALIZED TRANSPORTATION COMPANIES?

Crane & Transport **BRIEFING** POWERED BY **ACT** AMERICAN CRANES & TRANSPORT

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## Who are North America's largest specialized transportation companies?

 **D. Ann Shiffler**  
Editor, American Cranes & Transport

11 December 2023  
4 min read

After two years of charting growth, the 2023 **ACTTransport50** has seen a bit of a retraction in total fleet size. The cause for this dip can be attributed to a sell off of tractor/trucks over the past year.



Omega Morgan moved a 500,000-pound, fully assembled Hitachi mine shovel using 10 lines of TII K25 SPMT. PHOTO: Omega Morgan

Other indexes of the **ACTTransport50** show growth, including number of employees, number of specialized trailers and the overall capacity of the **ACTTransport50**, which is up to 2,061,188 from 1,171,807 in 2022. Growth in the **ACTTransport50** has been modest this year. The specialized transport sector appears to have weathered issues like the supply chain, inflation and rising interest rates without much problem.

The things that distinguish this year's **ACTTransport50** over 2022 is that there are five new companies on the list, including one in the top 10, HWH Transport, based out of Tampa, FL. Also new to the list are Sarens USA, Atlas Crane Service, Roll Group and Bar Companies. As well, the **ACTTransport50** saw gains in every index aside from the number of truck/tractors, which greatly skewed the total fleet size index.

Companies seemed to tighten their belts on terminals, with 11 less reported this year than last. In terms of number of employees, the **ACTTransport50** now employs 32,548 workers, an all-time high for this top list. The index gained more than 2,700 employees over the 2022 **ACTTransport50**. Last year the **ACTTransport50** saw a loss of 55 employees.

### M&A activity

Another point to make about the 2023 **ACTTransport50** has to do with merger and acquisition activity. While acquisitions on the list slowed this year, there was one noticeable change. Omega Morgan acquired Intermountain Rigging, which has been on the **ACTTransport50** since its inception in 2005. Due to this acquisition, Omega Morgan jumped from 38 to 32.

Due to ties in fleet size, 56 companies are represented on the 2023 **ACTTransport50** list.

The top five on our **ACTTransport50** moved around a little bit. The top five include Landstar Transportation Logistics again at Number 1, Dasoke again at Number 2, ALL Erection & Crane Rental jumping from 5 to 3, AFS Specialized falling from 3 to 4 and Masim Crane Works falling from 4 to 5. The top 10 stayed intact with the exception of HWH Transport that moved in at Number 10. Bay Limited, which had been in the top 10 at Number 9 in 2022, fell to Number 25.

A few companies that moved up on the list didn't necessarily add to their fleets, rather another company fell off the list. Notable changes include Emmert International from 15 to 12, Fagioli from 15 to 13, Bragg Companies from 19 to 15, Bigge Crane & Rigging from 21 to 18, DD&S Express from 24 to 21, Lampson

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# WHICH CRANES WERE USED FOR THE HEAVIEST LIFTS?

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## Which cranes were used for the heaviest lifts?



**Niamh Marriott**  
Deputy Editor, International Cranes and Specialized Transport

05 December 2023  
10 min read

Huge and impressive lifts, both onshore and offshore, from around the world. Niamh Marriott reports.

Despite boasting some of the biggest offshore wind farms in the UK, a recent auction for offshore wind projects failed to attract any bids, leading the government to change the amount to pay for renewable electricity by more than 50 per cent. Companies in the offshore sector say this is due to rising inflation and interest rates. It is hoped this change will encourage future projects in the region, which will of course require some seriously heavy lifts.

### A new giant



**BMS' new 3,000 tonne capacity ring crane.**  
(Photo: BMS)

Lifting specialist BMS has erected its new 3,000 tonne capacity ring crane on a test site in Denmark. Preparations are ongoing for a heavy test lift of 1,530 tonnes.

At full height the BMS Ringer Crane (See ICST January 2022) stands at 245 metres. Even at a hook height of 225 metres the capacity is 1,000 tonnes. On a hook height of 200 metres the crane can lift 1,200 metric tonnes.

With its luffing jib the crane can pick up components and lift around objects, for example, in refineries. It is also ideally suited for the next generations of wind turbines, BMS says, for example, the big floating offshore type.

Low ground pressure is a key feature allowing the crane to operate at places where earlier cranes needed extensive improvements along a quayside.

Its winches are fully electrically driven and can be accurately controlled. This setup allows fast hoisting speeds while keeping the required maintenance to a minimum, BMS explains. All drives are electronically

controlled for high accuracy.

Slewing through 180 degrees around the ring with a full load takes 15 minutes. To mobilise the BMS Ringer Crane takes six to eight weeks.

### New lifting

Gearing up for large offshore jobs, Allseas has updated the capabilities of its vessel Pioneering Spirit with a new jacket lift system. Integral to the system are two 170 metre hinged beams with integrated tail extensions, built to install and remove entire jackets up to 20,000 tonnes in a single lift and designed to operate in bad weather.

The Switzerland-headquartered company has landed a major contract that will involve one of the world's heaviest ever offshore installation operations. The contractor has been selected by Aker BP to transport and erect the 1,000-tonne jacket structure, which will be used to support the 1000-tonne jacket structure, which will be used to support the 1000-tonne jacket structure.

# HINKLEY POINT C'S FIRST REACTOR DOME LIFTED INTO PLACE BY SARENS' SGC-250 "THE BIG CARL" – 2 X VIDEO

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17 Dec 2023

## Hinkley Point C's First Reactor Dome Lifted into Place by Sarens' SGC-250 "The Big Carl" – 2 x Video

Topics: 160m boom, 48.5m ring base diameter, 3000t capacity, Dome, 30 R, first reactor building, Hinkley Point C, Sarens, SGC-250, The Big Carl, weather window

The dome for Hinkley Point C's first reactor building has been successfully lifted into place. The major milestone closes the roof on the first reactor building, allowing the first nuclear reactor to be installed next year. The power station's two nuclear reactors will provide reliable zero-carbon electricity for six million homes, boosting Britain's energy security for decades to come.

Engineering teams lifted the 245t steel dome precisely into place on top of the reactor building last Friday morning. The achievement ends the year on a high as the 14m tall dome sits on top of the 44m high reactor building.



# COASTAL VIRGINIA OFFSHORE WIND FARM TO SUPPLY HOMES WITH RENEWABLE ENERGY



## The Maritime Executive

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## Coastal Virginia Offshore Wind Farm to Supply Homes with Renewable Energy



PUBLISHED DEC 17, 2023 8:00 AM BY THE MARITIME EXECUTIVE  
(By: Sarens)

Located about 27 miles off the coast of Virginia Beach, this wind farm, the largest one in the US, will have 176 turbines and will prevent the emission of greenhouse gasses equivalent to those produced by one million vehicles per year.

Sarens will be in charge of receiving and loading out the monopiles and transition pieces for the 176 turbines, as well as the jackets and topsides for the three offshore substations that will make up the facility, in a job that will last until 2025.

The Coastal Virginia offshore wind farm, located between 27 and 42 miles (43-67 km) off the coast of Virginia Beach, will be able to produce renewable energy for more than 660,000 homes in the region, and avoid the emission of greenhouse gasses equivalent to removing one million vehicles from the road each year, once it becomes operational in 2026.

This new facility, operated by Dominion Energy, will have 176 turbines with an energy output of approximately 2.6 GW, divided into three areas. In each area, the

## SARENS MOVES RAIL BRIDGE SEGMENT IN AUSTRALIA

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## SARENS MOVES RAIL BRIDGE SEGMENT IN AUSTRALIA

15 December 2023

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In a four-hour operation, Sarens removed and transported two old bridge segments to make room for a new bridge on O'Riordan Street in Sydney, Australia as part of the Botany Rail Duplication Project.

Sarens had just a four-hour time window to remove the old bridges and drive them approximately a kilometre over public roads, next to the Sydney airport, to bring them to the designated lay down yard.

The weight of the bridges, more than 250tonnes each, and the surrounding structures ruled out the possibility of deploying a crane. SPMTs proved to be the ideal solution. And additional challenge was the fixed steel billboard on the sides of the bridges.

The Eastern bridge was removed by lowering it down using the stroke of the SPMT. To remove the west span an additional stroke was required. The team decided to deploy their CS250 climbing system on top of the SPMTs for the west span. Upon removal, the SPMTs drove the bridges to the lay down yard, where Sarens' gantry system lifted bridge sections from the SPMTs onto concrete blocks. (The lowering could be done outside the critical four-hour window)

"The proximity of the project site to the Sydney Domestic and International Airport added to our challenge" said Michiel De Bodi, Technical Solutions Sales Manager. "We had to follow strict OLS restrictions and most of the work was completed during the night shifts. Our team successfully completed the project on time and within the budget."



## 6 HOUR BRIDGE INSTALLATION DEMONSTRATES SARENS TECHNICAL SOLUTIONS' EXPERTISE

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© Gad Aneud

14 Dec 2023

### 6 Hour Bridge Installation Demonstrates Sarens Technical Solutions' Expertise

Topic: Arocoba France, A01MUM (Groupe COLAS), Bouygues Travaux Publics Régions, Colas, Photograph © Gad Aneud, VINCI Autoroutes

Sarens Technical Solutions & Engineering is known for taking on any client challenge and delivering masterful results—especially with bridge installations, which are often complex yet time-sensitive operations.

Such was the case at one of Sarens' most recent bridge installation projects, conducted on behalf of customer Bouygues Travaux Publics Régions France and owner VINCI Autoroutes, along the A11 highway in Nantes, France. The Sarens team came together in June of 2023 to successfully jack, transport, and install a 740t, 110m long bridge along the A11 at the Portes de Gesvres interchange.

Sarens deployed the following equipment on this project:

- 4 Kamag SPMTs, 6 axle lines each
- 4 CS450 towers with 12 elements on one side
- 4 CS450 towers with 10 elements on the other side

The CS450 is particularly well chosen for its higher elements, which would allow the team to take down

# JACKING SYSTEM RENTAL SERVICES MARKET SEGMENTATION

DIGITAL JOURNAL

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## Jacking System Rental Services Market Segmentation (2024-2030)

PRESS RELEASE

Published December 14, 2023

PRWireCenter

Global "[Jacking System Rental Services Market](#)" report identifies significant segments and growth factors, categorizing information to enhance investor comprehension with **[110 pages Latest Report| Information Technology]** category report which provides insights into the concentration rate of raw materials in the Jacking System Rental Services Market, the proportion of manufacturing cost structure, raw material sourcing, labor costs, and the manufacturing process. Jacking System Rental Services Market Report Revenue by Type (**Long-term Rental (Monthly), Short-term Rental (Daily)**), Forecasted Market Size by Application (**Airplane Industry, Vehicle Industry, Others**).

Get a sample PDF of the report – <https://www.marketreportsworld.com/enquiry/request-sample/24930594>

This report offers a comprehensive analysis of the Jacking System Rental Services Market, encompassing its present condition, key players in the industry, emerging trends, and prospects for future growth. It delves deeply into the global market scenario, providing valuable insights into current trends and drivers influencing the Jacking System Rental Services Market on a global scale. The report also includes statistical data on revenue growth in various regional and country-level markets, as well as an assessment of the competitive landscape and detailed organization analyses for the projected period. Moreover, the Jacking System Rental Services Market Report explores potential drivers for development and examines the current market share distribution and adoption of various types, technologies, applications, and regions up to 2030. [Ask for a Sample](#)

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5. Multiplex Molecular Diagnosis Technology Market Share and Growth Report 2024-2030
6. 5G RedCap Module Market Competition (2024-2030)
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# SARENS SECURES COASTAL VIRGINIA OFFSHORE WIND FARM WORK

RENEWABLE ENERGY

## Sarens secures Coastal Virginia offshore wind farm work

Sarens has been commissioned to receive and load out the monopiles and transition pieces for 176 turbines.

Dec. 14, 2023



*Offshore staff*

**CALIFORNIA** – The Coastal Virginia offshore wind farm, located between 27 and 42 miles (43-67 km) off the coast of Virginia Beach, is scheduled to become operational in 2026.

This new facility, operated by Dominion Energy, will have 176 turbines with an energy output of about 2.6 GW, divided into three areas. In each area, the turbines will be connected by interarray cables to each of the three offshore substations, where the power produced will be transformed from 66 kV to 235 kV. From these stations, the energy will travel to shore via three 235-kV 2-core cables.



### LATEST IN RENEWABLES

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# COASTAL VIRGINIA'S NEW OFFSHORE WIND FARM WILL SUPPLY MORE THAN 660 000 US HOMES WITH RENEWABLE ENERGY



The screenshot shows a webpage from Energy Global. At the top, there is a banner for 'ENVIROTECH' with a date '10 - 13 March 2024' and a call to action 'SAVE €250 BUY TICKETS NOW'. Below the banner is the 'ENERGY GLOBAL' logo and a navigation menu with links for Home, News, Magazine, Webinars, Spotlight Interviews, Events, Whitepapers, and Subscribe. The article title is 'Coastal Virginia's new offshore wind farm will supply more than 660 000 US homes with renewable energy'. The author is 'Published by Jessica Carr, Editor' and the date is 'Energy Global, Thursday, 14 December 2023 12:00'. The article text describes the location of the wind farm (27-40 miles off the coast of Virginia Beach), its capacity (175 turbines, 2.4 GW), and its expected completion (2025). It also mentions the involvement of Sarens in the project, including the transport of turbine components and the installation of electrical substations.

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Home / Wind / 14 Dec 23 / Coastal Virginia's new offshore wind farm will supply more than 660 000 US homes with renewable energy

## Coastal Virginia's new offshore wind farm will supply more than 660 000 US homes with renewable energy

Published by Jessica Carr, Editor Download PDF

Energy Global, Thursday, 14 December 2023 12:00

The Coastal Virginia offshore wind farm, located between 27 - 40 miles (43 - 67 km) off the coast of Virginia Beach, will be able to produce renewable energy for more than 660 000 homes in the region, and avoid the emission of greenhouse gases equivalent to removing 5 million vehicles from the road each year, once it becomes operational in 2025.

This new facility, operated by Dominion Energy, will have 175 turbines with an energy output of approximately 2.4 GW, divided into three areas. In each area, the turbines will be connected by inter-array cables to each of the three offshore substations, where the power produced will be transformed from 33 kV to 230 kV. From these stations, the energy will travel to shore via three 230 kV 3-core cables.

Sarens has been commissioned by Virginia International Terminals (VIT) to receive and load out the monopiles and transition pieces for the 175 turbines, as well as the jackets on which the three substations and their corresponding legs will be placed, in a job that will last until 2025.

The first transport operation of this kind took place on 17 October 2023, when the vessel Sun Shine arrived at the Portsmouth Marine Terminal with the first eight monopiles from Rosdorf (Germany). Once there, the Sarens team unloaded these parts from their shipping stacks and transported them to the place where they will be stored before travelling to their final location.

There are currently only 12 offshore wind facilities on the east coast of the US, of which the Coastal Virginia Offshore will be the largest, and in the whole country. This project will also be a critical resource to achieve the Commonwealth of Virginia's goals and Dominion Energy's goal of achieving net-zero in the 15 states in which it operates.

As a preliminary phase to the development of this new farm, a pilot project was launched in October 2020 with the installation of two offshore turbines with a generating capacity of 6 MW, 27 miles off the coast of Virginia Beach, which have contributed to powering more than 3000 homes. Once the pilot phase was completed, the project received final approval from the Virginia State Corporation Commission in 2022 and, in 2023, work began on the manufacture of the wind turbine components to be used in the wind farm.

Sarens owns extensive international experience in the assembly and maintenance of wind farms. It is participating in installations in France such as Filcamp, Saint-Nazaire, Provence-Grand Large or more recently, in the lifting and transport work for the foundation bases of the new offshore wind farm in Saint-Brieuc, off the Brittany coast, where it has been able to transport loads of more than 1150 t.

Regarding the transport and installation of electrical substations for offshore wind farms, Sarens also has proven experience, as it was responsible for the logistical manoeuvres required for the transport of a 3700-t substation in the port of Hoboken, in Antwerp (Belgium) to the Racebank wind farm, off Norfolk's coast.

For more news and technical articles from the global renewable industry, read the latest issue of Energy Global magazine.

**Energy Global's Winter 2023 Issue**

The Winter 2023 issue of Energy Global hosts an array of technical articles (weather analysis, geothermal solutions, energy storage technology) and more. This issue also features a regional report looking at the future of renewables in North America, and a report from Theobald Reed-Martin, Editorial Assistant, Energy Global, on how Iceland utilizes its unique geology for renewable energy.

# FLAT TRAILERS RENTAL SERVICES MARKET

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## Flat Trailers Rental Services Market : Size, Insights, and Growth Forecast for 2023, with Key Players and Future Business Opportunities until 2030 |Sarens NV, Mammoet, U-Haul, ALL Erection & Crane Rental Corp.

PRESS RELEASE  
Published December 12, 2023  
Coherent Market Insights

More from Coherent Market Insights



The Flat Trailers Rental Services Market Trends Overview 2023-2030:

A new Report by Worldwide Market Reports, titled "Flat Trailers Rental Services Market: Industry Trends, Share, Size, Growth, Opportunity and Forecast 2023-2030," offers a comprehensive analysis of the industry, which comprises insights on the Flat Trailers Rental Services market analysis. The report also includes competitor and regional analysis, and contemporary advancements in the market.

This report has a complete table of contents, figures, tables, and charts, as well as insightful

1. Advanced Farming Market: Global Industry Trends, Share, Size, Growth, Opportunity and Forecast 2023-2030 | AGCO Corp., AgJunction Inc., Trimble Navigation
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# SARENS WINS THE BLCC GOLDEN BRIDGE AWARD FOR “CARBON REDUCTION”

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## Sarens wins the BLCC Golden Bridge Award for “Carbon Reduction”

www | Sponsored by Sarens | 12 December 2023



Sarens was recognised for its commitment to sustainable practices and innovative solutions. Sarens always stands at the forefront of the renewable energy sector, providing intelligent solutions to heavy lifting challenges.



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# SARENS EXCELS IN TIME-CRITICAL A11 BRIDGE INSTALLATION



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## Sarens Excels In Time-Critical A11 Bridge Installation

Construction, Heavy lifting, Heavy transport, Lifting, SPMT | Roberto Simk | December 12, 2023



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Sarens Technical Solutions & Engineering recently completed a challenging bridge installation project on the A11 highway in Nantes, France. Working for Bouygues Travaux Publics Régions France and VINCI Autoroutes, the team successfully jacked, transported, and installed a 740-tonne, 110-meter long bridge at the Portes de Gesvres interchange in June 2023.

# SARENS, ALLSEAS AND AKER BP CHANGE PLANS FOR HEAVIER THAN EXPECTED VALHALL DP TOPSIDE DELIVERY

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12 Dec 2023

## Sarens, Allseas and Aker BP Change Plans for Heavier Than Expected Valhall DP Topside Delivery

Topics: Aker BP, Aker Solution yard, Allseas, Heavier Than Expected, Norway, Pioneer Spirit, Sarens, Sarens barge LOUIS, Stord, Valhall DP Topside

Early in 2022, Sarens equipment stood at the ready, awaiting a massive topside that would be loaded in at the Aker Solutions decommissioning yard in Stord, Norway. But when the topside turned out to be heavier than expected, Sarens and clients Allseas and Aker BP had to think fast and work together to make the load-in a success.

For this operation, Sarens had deployed the following equipment:

- 136 axle lines Kamag K2400-ST SPMTs
- 70 axle lines Scheuerle M78 SPMTs
- Sarens barge LOUIS, with steel grillages
- Steel transport structure on SPMTs
- 14 ballast pumps rated at 400t/h
- 6 ballast pumps rated at 600t/h

The Sarens barge, LOUIS, had been prepared for the operation in Ghent, Belgium, and towed to



# CRANE LIFTS CRANE: BIG CARL BEARS THE LOAD

## Crane lifts crane: Big Carl bears the load



**Alex Dahm**  
Editor, International Cranes and Specialized Transport

07 December 2021  
2 min read



Sarens' Big Carl places the polar crane which rotates inside the top of the reactor building. Photo: EDF Energy

Sarens' 3,000 tonne capacity crane nicknamed Big Carl was used to install a polar crane weighing 750 tonnes at the Hinkley Point C nuclear power station construction project in the UK.

On 5 December the super heavy lift ring crane lifted and placed the polar crane into the first reactor building at the giant site in Somerset, south west England. Big Carl also installed the crane's test weight structure, weighing another 715 tonnes. With the crane installed it will mean the steel reactor dome roof is also a step closer to being lifted into place over the top.

### A heavy load

The polar crane with a rotating double girder bridge was made by APCO Technologies in Switzerland. It has hoists rated to lift 320, 35 and 5 tonnes. This crane was one of the heaviest lifts made on the project to date.



The polar crane can rotate full circle inside the dome.



# CRANES TODAY

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## HEAVY WORK



Sarens named the crane Straffen (or Strong) Hendrik in recognition of industry veteran Hendrik Sanders (pictured)

←

 <p>Gras Agulter used a Liebherr LR 1700-1.0 and an LR 1600/2 to place steel...</p>	 <p>A Tadano CC 35.550-1 installing pre-fabricated pool walls, at the Sheybarah...</p>	 <p>Sarens has bought tonne capacity Liebt 12500-1.0</p>
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# MOBILE CRANES RENTAL MARKET BY SOURCES ANALYSIS, SHARE, TRENDS, SIZE, FORECAST

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## Mobile Cranes Rental Market By Sources Analysis, Share, Trends, Size, Forecast From (2023-2030)



Mr Accuracy Reports added an innovative statistical data of Global Mobile Cranes Rental Market Report: trends, In-depth Analysis, Size and Forecast: to 2030. To discover the different aspects of the business, this report uses exploratory techniques, such as primary and secondary research. It provides a valuable source of data, which helps to take complicated decisions in business. The research analyst provides an elaborated description of different verticals of businesses.

# TOWER CRANES RENTAL SERVICE MARKET SUSTAINS GROWTH AMIDST CHANGING CONSUMER PREFERENCES

## Tower Cranes Rental Service Market Sustains Growth Amidst Changing Consumer Preferences| Sarens NV, ALL Erection & Crane Rental Corp.,



New Jersey, United States, - Mr Accuracy Reports published new research on Global Tower Cranes Rental Service covering micro level of analysis by competitors and key business segments (2023-2029). The Global Tower Cranes Rental Service explores comprehensive study on various segments like opportunities, size, development, innovation, sales and overall growth of major players. The research is carried out on primary and secondary statistics sources and it consists both qualitative and quantitative detailing.

Some of the Major Key players profiled in the study are Sarens NV, ALL Erection & Crane Rental Corp.,

# FIXED CRANE MARKET SIZE & SHARE ANALYSIS – GROWTH TRENDS & FORECASTS 2026

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## Fixed Crane Market Size & Share Analysis – Growth Trends & Forecasts 2026

PRESS RELEASE  
Published December 6, 2023  
PRWireCenter

Fortune Business Insights latest market study report, titled “Fixed Crane Industry Analysis | 2026,” includes data and information on the evolution of the investment structure, technological advancements, market trends and developments, capabilities, and detailed information on the main players of the Fixed Crane.

The study also includes a summary of the global market strategies that have been implemented in relation to the existing and future state of the industry. It is a fantastic compilation of qualitative and quantitative features that investigate the global market’s competitive landscape, segmentation, geographical expansion, sales and revenue, production, and consumption growth.

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### Key Drivers and Opportunities in Fixed Crane Market:

Fixed Crane Market size stood at USD 10.26 billion in 2018 and is projected to reach USD 15.77 billion by 2026, exhibiting a CAGR of 5.6% during the forecast period.

### Companies Mentioned

- SANY GROUP

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# FIRST MORAY WEST TPS REACH PORT OF NIGG



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Photo: © Ocean Winds

The 850MW Moray West offshore wind farm has reached a major milestone with the arrival of Transition T-Pieces (TPs) to the Port of Nigg in the Cromarty Firth. Ocean Winds, the 50:50 joint venture between bNIGB and bOP Renewable, is developing the Moray West project.

In total, 62 TPs will be delivered to Nigg on a rolling programme of delivery and installation, with [Global Energy Group \(GEG\) providing pre-assembly support services](#) including cranes, logistics, moulding auxiliary equipment, and inspection & repair support.

The first delivery to Nigg included two TPs for the offshore substations, allowing progress on the export electrical infrastructure to be made. As part of this critical infrastructure, GEG's fabrication division completed the fabrication of two J-tube cages, which will be integrated with the TPs and protect the cables coming from the wind turbines into the offshore substations, as well as the cables exporting the power to shore.

The delivery was [completed by the heavy load carrier Sun Rise](#). It kickstarts the upcoming campaign to install all 62 TPs onto the monopile foundations, which are currently being marshalled and installed from the Port of Cromarty Firth. Following the installation of the monopile foundations and TPs, the Siemens Gamesa 14.7MW turbines will be positioned onto each of the turbine towers.

"We are delighted to welcome the Transition T-Pieces for the Moray West project to our Port of Nigg facility. We are now in the process of offloading these impressive structures, supported by our crate logistics and vessel support teams. We look forward to working closely with the Moray West team in the successful execution of the storage, marshalling and loadout of the TPs before their onward journey to the field," **Charlie Morrison**, Operations Director at GEG and Port of Nigg said.

# HAPO BUYS CADELER OFFSHORE CRANES

## Hapo buys Cadeler offshore cranes



**Niamh Marriott**  
Deputy Editor, International Cranes and Specialized Transport

27 November 2023  
1 min read

Netherlands-headquartered Hapo International Barges has purchased two offshore 1,200 tonne capacity cranes that were previously on board Cadeler's supply vessels Wind Orca and Wind Osprey.



Hapo said the purchase will strengthen its position in the heavy lift barge market. (Photo: Hapo)

The cranes were used by the vessels for just 10 years but have been replaced with larger cranes for future wind farm assembly work.

The cranes were handed over in early November following technical inspections and are currently in the process of being lifted off the jack-up vessel and transported to the Hapo yard in Ridderkerk.

Hapo used its own H-331 and H-282 barges and lifting equipment to complete the transfer.

International lifting giant Sarens was hired for the ro-ro (roll on/ roll off) operations and DDL Marine was responsible for the project management backed-up by the engineers of Saltwater Engineering.

The cranes are now also available for re-sale whilst the plans for retrofitting the cranes to barges are being formed.

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## Mobile Cranes Rental Market Latest Industry Size and Growth Demands to 2031

PRESS RELEASE

Published November 27, 2023

PRWireCenter

[Key Market Insights and Brief Analysis of Mobile Cranes Rental Market with 127+ Pages Report](#)



[Mobile Cranes Rental Market](#) research report serves as an essential resource for businesses, investors, and stakeholders desiring a comprehensive understanding of the market. Beyond predicting market trends, opportunities, Applications (, Construction, Industrial, Mining & Excavation, Marine & Offshore, Oil & Gas, Others,), and Types (, All Terrain Crane, Crawler Crane, Rough Terrain Crane, Truck Loader Crane, Others, ), it also highlights potential obstacles that could alter the industry's course in the years ahead. The report offers practical advice and strategies, enabling market participants to tackle a competitive landscape effectively.

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# KENZFIGEE WINS CONTRACT FOR OFFSHORE CRANE

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## KenzFigeer wins contract for offshore crane



**Niamh Marriott**  
Deputy Editor, International Cranes and Specialized Transport

27 November 2023  
1 min read

Netherlands-headquartered lifting specialist KENZFIGEE has agreed to provide Aker Solutions with an offshore pedestal crane for the Norfolk Vanguard West offshore wind farm developed by Vattenfall.



Offshore ram luffing type crane on Neart na Gaoithe (NnG) substation. (Photo: KENZFIGEE)

The delivery involves an electric hydraulic box boom offshore ram luffing 2400 type with a safe working load (SWL) of 20 tonnes, designed and manufactured by KENZFIGEE, for installation on the Norfolk Vanguard HVDC (high-voltage, direct current) converter station situated off the coast of Norfolk in the UK.

The crane is designed and verified in accordance with EN13852-1 and certified to DNVGL-ST-0378 lifting requirements.

The crane will be tested at KENZFIGEE's site before being delivered in the third quarter of 2024.

"We consider this contract an important milestone for KENZFIGEE as it strengthens our partnership with Aker Solutions in the renewable energy industry, and hope it will be the basis for a long-term cooperation between KENZFIGEE and Aker Solutions," said Maikel Takken, CEO of KENZFIGEE.

"We are proud to support Aker Solutions with this project and look forward to a successful delivery."

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# CRANES RENTAL MARKET TO EYEWITNESS MASSIVE GROWTH

Press release

## Cranes Rental Market to Eyewitness Massive Growth | Mammoet, ALE, Sarens NV

11-24-2023 10:47 AM CET | Business, Economy, Finances, Banking & Insurance

Press release from: AMA Research & Media LLP



Cranes Rental Market

Advance Market Analytics published a new research publication on "Global Cranes Rental Market Insights, to 2028" with 232 pages and enriched with self-explained Tables and charts in presentable format. In the study, you will find new evolving Trends, Drivers, Restraints, Opportunities generated by targeting market-associated stakeholders. The growth of the Cranes Rental Market was mainly driven by the increasing R&D spending across the world.

Major players profiled in the study are:

Sarens NV (Belgium), Mammoet (Netherlands), Lampson International LLC (United States), Action Construction Equipment Ltd. (India), Maxim Crane Works, L.P. (United States), ALE (United States), Sanghvi Movers Limited (India), Deep South Crane and Rigging (United States).

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[https://www.advancemarketanalytics.com/sample-report/113768-global-cranes-rental-market?utm\\_source=OpenPR&utm\\_medium=Shraddha](https://www.advancemarketanalytics.com/sample-report/113768-global-cranes-rental-market?utm_source=OpenPR&utm_medium=Shraddha)

Scope of the Report of Cranes Rental:

# SARENS INSTALLS LOCKS AT THE RADICATEL QUAYSIDE



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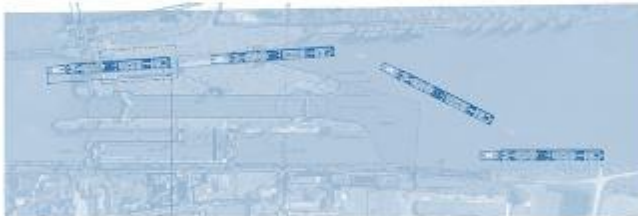
PROJECTS

## Sarens installs locks at the Radicatel quayside

By David Kershaw | 14 November 2022



Belgian heavy lift and transport engineering expert Sarens demonstrated its expertise when installing locks at the Radicatel quayside in Notre Dame de la Garenne, France.



Source: Sarens

Sarens installs locks at the Radicatel quayside

The Sarens technical solutions and engineering team developed and executed this significant project on behalf of client Matière. The massive locks had to be manoeuvred through difficult channels of water and clear low bridges, before being installed at a busy quayside in Normandy.

The company installed its CC2800-1 crane on the Karel-Viktor twin barge, which would be coupled longitudinally for installation. Karel-Viktor was chosen because it had the capacity to transport and install the lock parts while respecting a 12 m width restriction. The barge also had to be low enough to pass underneath bridges, in some cases with only a 30 cm clearance.

The Sarens team was tasked with planning around frequent deliveries at the quay, but the biggest challenge would be stabilising equipment during a water-based operation that could include heavy winds and waves. Sarens also provided BE200 ballast pumps to ensure stability during load-in and installation, as well as hydraulic winches to position the barge correctly.

The engineering challenge facing the team was that loading the crane and lock parts onto an 11.6 m barge would create low stability conditions, and these would have to be carefully managed via a comprehensive pumping sequence that accounted for every shift in weight during the operation.

All equipment for the operation was delivered to the quayside via truck. Equipment for the barge arrived via 11 transports from Sarens' yard in Ghent while all other equipment, from SPMTs to load-spreading mats, arrived via 17 transports from the yard in Wolvertem. Mobilisation took one week,

# SARENS: TRANSPORTED & INSTALLS 16 WIND TURBINES AT JAGALURU WIND FARM

**NBM&CW**  
The Construction Equipment Magazine

Equipment & Machinery Product & Technology Article & Report Interview



## Sarens: Transported & Installs 16 Wind Turbines at Jagaluru Wind Farm

**Sarens Achieves Milestone: Sarens, global leader in heavy lifting, completes groundbreaking TCI project, transporting and installing sixteen 140mHH EN3.3MW wind turbines at India's Jagaluru Hybrid Wind Farm for CleanMax**

### The project

Sarens, a world leader in heavy lifting, engineered transport and crane rental solutions, has been entrusted with the lifting of sixteen EN3.3MW 140mHH wind turbines at the Jagaluru hybrid plant in Karnataka. This TCI (Transport, Crane and Installation) project is the first of its kind in the country, carried out for its client CleanMax.

The Jagaluru plant is a wind-solar hybrid (WSH) solution site as it integrates both energy sources and takes advantage of their complementary nature, due to which, the wind-solar hybrid plant is able to generate more consistent power output compared to standard plants, whether solar or wind, because the power generation is more evenly distributed throughout the day.



CleanMax has implemented this WSH solution for one of the world's largest data center companies, which will get approximately 90% of its power demand from the project, about 13.5 MW with about 52% solar hybridization.

The wind-solar hybrid power plant is expected to generate about 57 million units of electricity per year

# HAPO BUYS THE WIND ORCA AND WIND OSPREY 1200T CRANES FROM CADELER

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SPMT / HSPE

COMETTO'S NEW SPMT GENERATION



29 Nov 2023

## HAPO Buys the Wind Orca and Wind Osprey 1200t Cranes from Cadeler

Topics: Cadeler, DOL Marine, GuateMSC, Hapo, HeavyLiftNews, Selvester Engineering, Serena, Wind Orca, Wind Osprey

Hapo has announced their purchase from Cadeler of each of the 1200t cranes from the Wind Orca and Wind Osprey. Hapo International Barges is a specialist in providing heavy lift capacity, pontoons, and crane barges around the world.

These 1,200 ton cranes, although being only ten years young, had to be replaced with even larger cranes for Cadeler to be able to install the next generation of wind turbines. For Hapo an excellent opportunity to further strengthen its position in the heavy-lift-barge market.

Wednesday the 1<sup>st</sup> of November 2023 the second crane was handed over on the bridge of the Wind Osprey following a technical inspection.

Mikkel Gleerup, Cadeler's CEO said, "The sale is one of those absolute win-win situations for both parties. As far as we're informed, this is the first time cranes from a wind turbine installation vessels are being sold to fulfill a meaningful second life - a solution that is in line with our target to place greater focus on circularity. We're very appreciative of Hapo International Barges' commitment to expand the lifetime for these great cranes that heroically have served Cadeler and the green transition to renewable wind energy".



# REMOVED WIND OSPREY AND WIND ORCA CRANES GET A NEW CHANCE



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Photo: © Hago International Barges

As Cadeler's Wind Orca and Wind Osprey jack-up vessels get their new cranes installed in Schiedam, the old units have got a new lease on life. Hago International Barges have decided to buy both cranes from Cadeler, strengthening its position in the heavy-lift barge market.

Ex-Wind Orca and Ex-Wind Osprey cranes both have a lifting capacity of 1,200 tons and have been in operation for a decade. However, the growing size of units both vessels needed to handle meant that Cadeler decided to upgrade their lifting capacity.

"The sale is one of those absolute win-win situations for both parties. As far as we're informed, this is the first time cranes from wind turbine installation vessels are being sold to fulfil a meaningful second life – a solution that is in line with our target to place greater focus on circularity. We're very appreciative of Hago International Barges' commitment to expand the lifetime for these great cranes that heroically have served Cadeler and the green transition to renewable wind energy", said Cadeler's CEO **Mikkel Cleverup**.

At the start of the month, the second crane was handed over on the bridge of the Wind Osprey, following a technical inspection. The cranes are in the process of being lifted off the jack-up vessel and transported to the Hago yard in Hiddink.



## HAPO ACQUIRES 1,200-TON CRANES FROM CADELER'S WIND INSTALLATION VESSELS



Sunday, January 28, 2024

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# Hapo Acquires 1,200-Ton Cranes from Cadeler's Wind Installation Vessels

November 23, 2023



Credit: Hapo



Hapo International Barges has acquired cranes recently removed from Cadeler's Wind Orca and the Wind Osprey offshore wind installation vessels from Cadeler.

These 1,200-ton cranes had to be replaced with even larger cranes for Cadeler to be able to install the next generation of wind turbines. The cranes are each capable of lifting 1200 t with a boom length of 115 m.

"For Hapo [this is] an excellent opportunity to further strengthen its position in the heavy-lift barge market.

On November 1, 2023, the second crane was handed over on the bridge of the Wind Osprey following a technical inspection.

The cranes are in the process of being lifted off the jack-up vessel and transported to the Hapo yard in Ridderkerk.

In this process, Hapo uses its own H-331 and H-282 barges and lifting equipment.

Sarens is hired for the ro-ro operations, and DDL Marine is responsible for the project management, backed up by the engineers of Saltwater Engineering.

"The cranes are now also available for re-sale whilst the plans for retrofitting the cranes to barges are being shaped,"

# SARENS LIFTS 925-TONNE ROOF FOR NEW GLOBALIA MAINTENANCE HANGAR AT MADRID-BARAJAS AIRPORT



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## Sarens lifts 925-tonne roof for New Globalia Maintenance Hangar at Madrid-Barajas Airport

By Sarens | Sponsored by Sarens | 21 November 2022



Sarens strand jacks and know-how come together for a smooth and successful operation.



After years of planning and pandemic delays, Sarens has successfully installed a 925-tonne steel roof for the new GLOBALIA (Air Europa) maintenance hangar at Madrid-Barajas Airport in Spain. As part of this visionary operation, Sarens' crew used 12 strandjacks to lift the 3D steel roof structure to a height of 25 metres.

This project had been a long time in the making, but the operation, like many others, had been delayed over the course of the Covid-19 pandemic. Seeing everything finally come together was a triumph for everyone involved, including key account manager José M<sup>a</sup> Martínez Gutiérrez.

"Watching how the roof was smoothly lifted in just a few hours reminded me of how all this began more than ten years ago, when I was first involved in this project," he said. "Some things take time to be completed, but when you see such an outstanding performance, everything is well worth it."

Sarens used four 185T and eight 100T strand jacks to lift the structure into place, working from twelve lifting points around the hangar's external perimeter. This equipment proved ideal for lifting such huge, flexible, and three-dimensional loads—in this case, a roof measuring 140x86x10 metres.

The crew had to be careful to keep all the strand jacks synchronised and moving as one, even as they lifted several different loads per strand jack. The day before the big lift, they conducted a lifting test, bringing the roof just a few centimetres off its temporary supports. This allowed the team to cross-check the theoretical loads and roof deformations with real conditions so they could adapt lifting parameters appropriately.





## SARENS WRAPS UP FORMOSA 2 SCOPE

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### Sarens wraps up Formosa 2 scope

Published on 21-11-2021 at 1:08

Photo: © Sarens

Sarens has completed the work scope for the Formosa 2 offshore wind farm at the Tachung Marshalling Harbour, Taiwan. The company lifted and transported 188 pin piles and 47 DWT Jackets at the marshalling yard for the client, Jan de Nul. The 375MW wind farm consists of 47 Siemens turbines atop jacket foundations placed in waters reaching 55-metre depths.



For Sarens, the project took place in five phases: load-in of the pin piles and transport to storage, load-out of the pin piles, load-out of the jackets in Batam, load-in of the jackets and transport to storage and preparation of the jackets for load-out.

In the first phase, Sarens was responsible for transporting 188 pin piles from the quay to the storage areas. These pin piles were huge, some measuring up to 80 meters long and weighing up to 250 tonnes. Sarens lifted them onto SPMs using transportation vessel cranes and transported 25 pin piles within 72 hours. Sarens completed this phase within the agreed-upon timeframe and with the highest regard for safety.

During the second phase of the project, Sarens transported 188 pin piles from the long-term storage areas to the temporary quayside storage, which allowed for fast loading activities. To transport the pin piles, Sarens used 25 units of SPMs. Loading was carried out using LK 11350 crane with superlift. The lifting was crucial during this phase, and Sarens achieved the loading of eight pin piles within a 12-hour timeframe, which was a challenging goal considering the necessary modifications that had to be made to the crane's superlift to adjust it from 500T to 250T.

In Batam, a team of experts facilitated the transportation of jackets to the Indonesian islands. The jackets were loaded using a second jacket handler, an additional set of SPMs, and Sarens' custom-designed jacket handler that came equipped with 120 wide lines of SPMs and 4 10C.1500 towers. The integrated jacking system enabled a streamlined alignment and lifting operation, allowing Sarens to load and transport a jacket during every available tide. Usually, four jackets were offloaded per 48 hours. The jackets weighed up to 1,700 tonnes and the load-in process began in the third quarter of 2021.

In the final phase, Sarens helped in preparing the jackets for load-out in Taiwan. This involved installing a lifting adapter piece to each of the 47 jackets, which required a dedicated GWO-trained lifting team and utilized a crane with plate number 1.

While stationed at Tachung Port, Sarens faced multiple challenges related to permissible ground loading. They had to

## NEW SARENS WIND SERVICE BRANCH

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### NEWS

ALL NEW

21.11.2023

## New Sarens Wind Service branch

Sarens has opened a new Wind Service company in Helsinki, Finland - Sarens Wind Service Finland Oy

The new business will be led by managing director Enrika Uusitalo who has been managing her own business - Lit-Auto which offers solutions for electric vehicle charging and mobility - since 2021, but she also began working with Sarens in January as a key account manager for Sarens Balticum, in Vilnius, Lithuania.



Enrika Uusitalo

Uusitalo began her career in 2013, working at the Turkish embassy in Vilnius, as an

# SARENS SECURES SECOND YEAR AT TOMORROWLAND'S STAGES



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## Sarens Secures Second Year At Tomorrowland's Stages

Construction, Heavy lift, Heavy lifting, Lifting | Roberta Simk | November 21, 2023



☆☆☆☆☆ Rate this post

Sarens has been selected for the second consecutive year to oversee the construction of the monumental stages at Tomorrowland. With a rich history in the entertainment industry, including recent involvement in the development of the Las Vegas Sphere, the world's most advanced event venue, Sarens continues to play a pivotal role in major festivals.

# MODULAR TRAILERS (SPMTs) RENTAL SERVICES MARKET INTELLIGENCE REPORT

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## Modular Trailers (SPMTs) Rental Services Market Intelligence Report Provides Potential Growth For 2023 To 2030 | Top Players: Sarens NV, Mammoet, TIP Trailer Services

PRESS RELEASE  
Published November 20, 2023  
Coherent Market Insights



The **Modular Trailers (SPMTs) Rental Services Market** research report represents major insights on the current growth dynamics as well as the primary revenue generation elements that are available in the Modular Trailers (SPMTs) Rental Services industry along with various other factors over the predicted period 2023-2030. The report on the Modular Trailers (SPMTs) Rental Services market is focusing on a series of parameters including top manufacturing strategies, industry share, prime opportunities, industrial channels, profit margin, etc. The research study on the global Modular Trailers (SPMTs) Rental Services market is liable to showcase essential development in distinct regions including the United States, Europe, Asia Pacific, and Others.

In addition, the Modular Trailers (SPMTs) Rental Services Market analysis provides market statistics, drivers, and restraints along with their impact on demand during the forecast period 2023-2030. The study also provides key market indicators affecting the growth of the market and the report also sheds light on the present scenario and upcoming trends and developments that are contributing to the growth of the Modular Trailers (SPMTs) Rental Services Market. The report can also give the competitive landscape clearly into focus and assist to make better decisions. On

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## DOGGER BANK OFFSHORE WIND FARM WILL PROVIDE CLEAN ENERGY TO 6 MILLION BRITISH HOMES YEARLY

# Dogger Bank offshore wind farm will provide clean energy to 6 million British homes yearly

Posted on 20 Nov 2023 by The Manufacturer

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Dogger Bank Wind Farm will generate clean energy for 6 million homes once completed and fully operational.

The project is being developed in three phases, Dogger Bank A, B and C, located between 130 km and 190 km off the north-east coast of England. Each of these phases will have an installed generating capacity of 1.2 GW and has involved an investment of billions of pounds.

# ON-DEMAND CRANE RENTAL MARKET COMPANY SHARE, MAJOR COMPETITORS, REGIONAL SEGMENTS, STRATEGIES, AND FORECAST

## On-Demand Crane Rental Market Company Share, Major Competitors, Regional Segments, Strategies, and Forecast until 2030 | Sarens NV, Mammoet

11-17-2023 11:08 AM CET | Business, Economy, Finances, Banking & Insurance  
Press release from: Worldwide Market Reports



On-Demand Crane Rental Market

This report outlines everything marketers are asking before investing in the global On-Demand Crane Rental Market during the forecast period 2023-2030. It provides detailed insights into current trends, market share, market size, sales value and volume. The data used in this report has been drawn from trusted industry sources, paid resources, and verified sources. This research serves as a systematic guide for marketers to make informed decisions. Key Players of the Global On-Demand Crane Rental Market offer detailed insights into their company profiles, product portfolio, geographic presence, statistical analysis, and key developments and growth strategies. This study explains how the pandemic will affect the market dynamics and what the future opportunities are for market players.

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# SARENS COMPLETES 925-TONNE ROOF INSTALLATION AT MADRID AIRPORT'S NEW HANGAR



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## Sarens Completes 925-Tonne Roof Installation At Madrid Airport's New Hangar

Construction, Cranes, Heavy lifting, Lifting | Roberto Simk | November 21, 2023



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Sarens has achieved a major milestone by successfully installing a 925-tonne steel roof for the new GLOBALIA (Air Europa) maintenance hangar at Madrid-Barajas Airport in Spain. Despite facing delays caused by the Covid-19 pandemic, the project was executed flawlessly.

Using 12 strandjacks, Sarens' crew lifted the 3D steel roof structure to a height of 25 meters. The operation, a culmination of years of planning, marked a significant triumph for everyone involved, including key account manager José M<sup>a</sup> Martínez Gutiérrez.

The lifting process involved four 185T and eight 100T strand jacks strategically positioned around the hangar's perimeter to handle the massive, flexible, and three-dimensional load of the 140x86x10-meter roof. The crew meticulously synchronized the strand jacks, ensuring a smooth lift despite varying loads.

Prior to the main lift, a lifting test was conducted to validate theoretical loads and roof deformations against real conditions. Weather conditions posed some challenges, causing a couple of delays, but the team eventually seized a two-day window with favorable conditions to guide the roof into place successfully.

All our services are supported by our extensive fleet of heavy lifting equipment and our experienced team of professionals.

# SARENS INSTALL 730T BRIDGE DECK IN UK ON A46 FOR COLAS SIAC – VIDEO

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14 Nov 2023

## Sarens Install 730t Bridge Deck in UK on A46 for Colas SIAC – Video

Topics: 730t bridge deck, Colas SIAC, Coventry, four CS350 jacking system, HeavyLiftNews, K245T SPMT, Middlesbrough, National Highways, Sarens, Sarens headquarters, Six CS450 jacking system, UK

Sarens collaborated with their client Colas SIAC to install the 730t bridge deck on the A46 Stoneleigh junction for National Highways in Coventry, UK.

The bridge was constructed near the main installation site to minimise traffic disruption. Sarens was contracted to jack-up the bridge, transport it to the installation site, and finally jack it down.

To address the challenge of narrow space adjacent to the A46 highway the team decided to use the 36 axle-lines of K245T SPMTs arrangement along with four CS350 jacking system to transport and install the bridge. Six CS450 jacking system to pre-jack the bridge deck to provide clearance for the SPMT arrangement.

The equipment was transported from Sarens yard in Middlesbrough and Sarens headquarters in Belgium using 28 trucks. The entire set-up including assembly of equipment and pre-jacking the bridge with CS450 to allow SPMT arrangement to be installed and loaded with CS350 took two weeks. The



# CRANE EQUIPMENT ON RENT MARKET COMPANY SHARE, MAJOR COMPETITORS, REGIONAL SEGMENTS, STRATEGIES, AND FORECAST



Press release

## Crane Equipment On Rent Market Company Share, Major Competitors, Regional Segments, Strategies, and Forecast until 2030 | Sarens NV, Mammoet, Maxim Crane Works

11-15-2023 01:26 PM CET | Business, Economy, Finances, Banking & Insurance

Press release from: [Worldwide Market Reports](#)



Introducing our exclusive "Crane Equipment On Rent Market Insights Report 2023", Uncover a world of market insights and data-driven intelligence that will propel your business to new heights. This comprehensive and meticulously curated report is a treasure trove of invaluable insights and data, providing a profound understanding of market trends, growth opportunities, competitive analysis, and more, empowering you to make informed decisions with confidence. Whether you're a startup looking for a foothold or an established company aiming to expand, our Crane Equipment On Rent market report is your secret weapon to stay ahead of the competition. Don't rely on guesswork; let data and insights steer your path to success. Stay ahead of the curve, identify lucrative opportunities, and mitigate risks with our Crane

*Crane Equipment On Rent Market*

Equipment On Rent Market Research Report.

This insightful report is designed to help you uncover untapped opportunities by analyzing the key market share, trends, revenue, drivers, recent advancements, and factors influencing the global outlook for Crane Equipment On Rent. Through thorough segmentation by type, application, geography, and market size, it provides a

# SARENS HELPS COMPLETE STORM TRAP INSTALLATION IN BURLINGTON, ONTARIO

ON THE JOB

## Sarens helps complete storm trap installation in Burlington, Ontario

November 15, 2023



Sarens recently deployed a Liebherr LTM 1070 mobile crane to assist Valentine Underground Services complete a storm trap installation in Burlington, Ontario.

# SARENS PARTICIPATING IN THE CONSTRUCTION OF THE DOGGER BANK OFFSHORE WIND FARM



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wind

## Sarens participating in the construction of the Dogger Bank offshore wind farm

Friday, 17 November 2023



Robin Whitlock

**Sarens**, a specialist in heavy lifting, engineered transport and crane rental solutions, is assisting with the construction of the Dogger Bank offshore wind farm by providing heavy lift expertise for phase C of the project, which has a development area of some 560 square kilometres and is 196 kilometres offshore, with a connection scheduled for the existing Lackenby substation on Teesside.



Dogger Bank wind farm. Courtesy of Sarens/Dogger Bank Wind Farm.

The Dogger Bank offshore wind farm will provide clean energy to 6 million British homes yearly. Each of the three phases of the project will have an installed generating capacity of 1.2 GW, combined for a total of 3.6 GW, which will be capable of supplying 5 percent of the UK's electricity demand.

The wind farm, which will be the largest in the world, will have an innovative operations and maintenance centre on Tyneside. More than 40 long term jobs have been created locally to support operations and maintenance for the 35-year life of the wind farm.

Just one turn of the blade of each generator will produce enough energy to power an average UK household for two full days. The windfarm will feature 277 of some of the world's most powerful turbines, which at 260 metres high are almost twice as tall as the London Eye.

The wind farm will generate clean energy for 6 million homes once completed and fully operational.

The project is being developed in three phases, Dogger Bank A, B and C, located between 130 kilometres and 190 kilometres off the north-east coast of England. Each of these phases will have an installed generating capacity of 1.2 GW and has involved an investment of billions of pounds. Combined, they will

# WORLD LEADING COMPANIES INVOLVED IN THE GROWING INDUSTRIAL RIGGING SERVICE MARKET



Press release

## World Leading Companies involved in The Growing Industrial Rigging Service Market 2023 - 2030 | Barnhart Crane & Rigging, Mammoet, Sarens, Deep South Crane & Rigging

11-14-2023 10:48 AM CET | Business, Economy, Finances, Banking & Insurance

Press release from: WMR



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A new Report by Worldwide Market Reports, titled "Industrial Rigging Service Market: Industry Trends, Share, Size, Growth, Opportunity and Forecast 2023-2030," offers a comprehensive analysis of the industry, which comprises insights on the Industrial Rigging Service market analysis. The report also includes competitor and regional analysis, and contemporary advancements in the market.

This report has a complete table of contents, figures, tables, and charts, as well as insightful analysis. The Industrial Rigging Service market has been growing significantly in recent years, driven by a number of key factors, such as increasing demand for its products, expanding customer base, and technological advancements. This report provides a comprehensive analysis of the Industrial Rigging Service market, including market size, trends, drivers and constraints, Competitive Aspects, and prospects for future growth.

*Industrial Rigging Service Market*

trends, drivers and constraints, Competitive Aspects, and prospects for future growth.

## Static Overhead Cranes Market 2023 Competition Dynamics and Growth Objectives by 2029 – ACE Equipment Company, Konecranes, Liebherr-International, Manitowoc Company

PRESS RELEASE

Published November 14, 2023

CDN Newswire

[Global Static Overhead Cranes Market](#) introduces the overview of the industry which clarifies the definition and specifications of the market. The report is prepared with a primary focus on the segmentation, competitive landscape, and geographical growth. The report focuses on market dynamics, including drivers, restraints, and opportunities. The research explains a comparative assessment of the market. It contains key trends and segmentation analysis, and all the regions. It also highlights on revenue, key production, and consumption trends. The report estimates market size, share, and other market figures. The report includes a whole dashboard read of the global Static Overhead Cranes market, which helps the readers to look at in-depth data regarding the report.

### Competitiveness:

The report focuses on the key players that are in operation within the market and their competitive landscape present within the market. The report includes an inventory of initiatives taken by the businesses within the past years in conjunction with those. Premium Analysts have highlighted enlargement plans for the close to future, monetary analysis of firms, and their analysis and development activities. Identification of numerous key players of the market will help the reader perceive the ways and collaborations that players will need to understand the competition within the global Static Overhead Cranes market.

To Know More, View the Sample Report: <https://www.marketsandresearch.biz/sample-request/356972>

Global major market players indulged in this report are:

- ACE Equipment Company

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# ON-DEMAND CRANE RENTAL MARKET INDUSTRY ANALYSIS



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## On-Demand Crane Rental Market 2023 Industry Analysis, Size, Share, Growth, Trends, and Forecast 2023-2030 | Sarens NV, Mammoet, ALL Erection & Crane Rental Corp

PRESS RELEASE

Published November 13, 2023

[Coherent Market Insights](#)



The **On-Demand Crane Rental Market** research report represents major insights on the current growth dynamics as well as the primary revenue generation elements that are available in the On-Demand Crane Rental industry along with various other factors over the predicted period 2023-2030. The report on the On-Demand Crane Rental market is focusing on a series of parameters including top manufacturing strategies, industry share, prime opportunities, industrial channels, profit margin, etc. The research study on the global On-Demand Crane Rental market is liable to showcase essential development in distinct regions including the United States, Europe, Asia Pacific, and Others.

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## Static Overhead Cranes Market 2023 Competition Dynamics and Growth Objectives by 2029 – ACE Equipment Company, Konecranes, Liebherr-International, Manitowoc Company

PRESS RELEASE

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# BREATH OF AIR WINS FEATURE RACE



## Breath Of Air Wins Feature Race

SPORTS - NOVEMBER 11, 2023



TDT | Manama

The Daily Tribune – [www.newsofbahrain.com](http://www.newsofbahrain.com)

Breath of Air triumphed in the feature race yesterday to headline an exciting nine-race card at Rashid Equestrian and Horseracing Club (REHC) in Sakhir.

The seven-year-old gelding powered to the finish in the seven-furlong, BD5,000 event to triumph for owners Al Adivat Racing and trainer AM Smith, while saddled by Lee Newman.



# MODULAR TRAILERS (SPMTs) RENTAL SERVICES MARKET REPORT SIZE WITH VALUABLE INSIGHTS, SHARE, GROWTH SURVEY, AND LEADING TOP COMPETITORS

press release

## Modular Trailers (SPMTs) Rental Services Market Report Size with Valuable Insights, Share, Growth Survey, and Leading Top Competitors from 2023 to 2030 | Sarens NV, Mammoet, TIP Trailer Services

11-10-2023 10:21 AM CET | Business, Economy, Finances, Banking & Insurance

Press release from: [Worldwide Market Reports](#)



Modular Trailers (SPMTs) Rental Services Market

This report outlines everything marketers are asking before investing in the global Modular Trailers (SPMTs) Rental Services Market during the forecast period 2023-2030. It provides detailed insights into current trends, market share, market size, sales value and volume. The data used in this report has been drawn from trusted industry sources, paid resources, and verified sources. This research serves as a systematic guide for marketers to make informed decisions. Key Players of the Global Modular Trailers (SPMTs) Rental Services Market offer detailed insights into their company profiles, product portfolio, geographic presence, statistical analysis, and key developments and growth strategies. This study explains how the pandemic will affect the market dynamics and what the future opportunities are for market players.

# BIG LIFTS BY SARENS ON THE BOTANY RAIL DUPLICATION PROJECT

CRANES & LIFTING

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Australia, C&L, Cranes & Lifting, SPMTs

## Big lifts by Sarens on the Botany Rail Duplication project

JACK ALFONSO  
November 9, 2023, 1:57 pm



Two 250+ tonne bridge segments have been lifted and shifted by [Sarens](#) on the [Botany Rail Duplication](#) project.

The Botany Rail Duplication project seeks to extend the 2.9 km single track section leading to the Port of Botany in Australia and include a second track to make freight transport more efficient. The NSW Freight and Ports Plan 2018-2023 predicts that the amount of container cargo handled by Port Botany will increase by 77 per cent, from 14.4

# SARENS EXECUTES HERCULEAN RAIL BRIDGE SEGMENT MOVE IN PORT BOTANY, SYDNEY, AUSTRALIA



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**SafeLifting.eu RENTAL**  
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## Sarens executes herculean rail bridge segment move in Port Botany, Sydney, Australia

www.sarens.com | Sponsored by Sarens | 7 November 2023



In a four-hour operation, Sarens removed two old bridge segments, making room for a new bridge on O'Riordan Street in Sydney, Australia.



Source: Sarens, November 6, 2023

Sarens removing bridge segments as part of the Botany Rail Duplication Project.

As part of the Botany Rail Duplication Project, Sarens was asked by our client John Holland to demolish two old rail bridges at O'Riordan Street.

The \$400 million Port Botany Rail Line Duplication and Cabramatta Loop project will deliver better access to global export markets via Port Botany, improve freight supply chains across New South Wales, and help ease local road congestion.

Sarens had to remove two bridges – the east span weighing 250T and the west span weighing 200T.

# HEAVY TRANSPORT EQUIPMENT RENTAL MARKET 2023 GROWTH DRIVERS AND FUTURE OUTLOOK 2030 | SARENS NV, MAMMOET, RENTCO

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## Heavy Transport Equipment Rental Market 2023 Growth Drivers and Future Outlook 2030 | Sarens NV, Mammoet, Rentco

PRESS RELEASE

Published November 6, 2023

CDN Newswire

**New Jersey, United States** – The Heavy Transport Equipment Rental Market research report offers an effective industry perspective, highlighting forthcoming trends and factors influencing market growth in terms of rate, size, trade, and insights into key industry players, coupled with projections. Moreover, it provides a brief overview of the market research methodology and the opportunities it presents. The report also identifies the competitive landscape across various sectors to provide insights into global competition. It delves into the projected growth of the global Heavy Transport Equipment Rental market from 2023 to 2030, considering both the static and dynamic aspects of businesses, which have been compiled for the purpose of this research report.

**Major Key Players** are Sarens NV, Mammoet, ALL Erection & Crane Rental Corp., Lampson International LLC, Action Construction Equipment Ltd., ALE, Sanghvi Movers Limited, Giddings, XCMG, Zoomlion, Caterpillar, Wagenborg Nedlift, Rentco

Click to get Global Heavy Transport Equipment Rental Market Research Sample PDF Copy Here @[https://www.infinitybusinessinsights.com/request\\_sample.php?id=786547&PJ08](https://www.infinitybusinessinsights.com/request_sample.php?id=786547&PJ08)

### Market Overview:

The global heavy transport equipment rental market size was valued at USD 123.6 billion in 2022 and is expected to grow at a compound annual growth rate (CAGR) of 7.2% from 2023 to 2030 to reach USD 235.8 billion by 2030. The heavy transport equipment rental market is a vital segment of the broader equipment rental industry, offering a wide range of heavy machinery and vehicles for

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1. Fifth-party Logistics Market 2023 Growth Drivers and Future Outlook 2030| DHL, Toll Holdings, InstaFreight
2. Food Packaging Testing Market 2023 Growth Drivers and Future Outlook 2030 | SGS, Bureau Veritas, Intertek
3. Git Analytics Tool Market 2023-2030 Shows Unbelievable Growth | LinearB, Waydev, Allstacks
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News from the European Association of Abnormal Road Transport and Mobile Cranes

[www.estaeurope.eu](http://www.estaeurope.eu)

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# ESTA publishes trailer stability guidance

ESTA has published a new transport stability guideline for the use of self propelled modular transporter (SPMT) in an attempt to improve safety and raise standards in what is a fast-growing sector attracting inexperienced entrants.

The guideline has been published following ESTA's October autumn meetings in Rome and is freely available to ESTA members – and their members – from the Library in ESTA's website.

It is the result of work carried out by ESTA's SPMT



PHOTO: FAGIOLI

working group whose 12 member companies come from eight countries, reflecting the widespread concern across Europe.

The companies are Collett, Cometto, DNV, Fagioli, Goldhofer, Mammoet, Sarens, Siemens Gamesa, Technip, Terra Navtica,

Til Group and Wagenborg.

Ton Klijn, ESTA director, said, "Around the world, we are still seeing far too many accidents involving SPMTs and we firmly believe that improved technical guidance coupled with properly regulated operator training are essential for the future."

# ECOL welcomes second female licence holder

Annie Van de Velde from Sarens is the second female crane operator to achieve certification with ECOL – the European Crane Operators Licence.

Growing up with a father who was a truck driver, she developed an early fascination with cranes and machinery. In 2003 she landed her first job at a crane company, kickstarting her career in what remains a predominantly male industry.

Van de Velde joined Sarens at its depot in Ghent in April this year and, with two decades



ECOL certified Annie van de Velde at Sarens

of experience under her belt, decided to pursue the ECOL certification as she felt the Europe-wide qualification would not only enhance her skills but also help minimise any boundaries to her career.

# Türken and Sasse elected as ESTA rings the changes

Iffet Türken (right), Kässbohrer Executive Board member, has been elected as president of ESTA's Section Transport, succeeding André Friderici who is stepping down after more than a decade.



Türken was elected unanimously at ESTA's General Assembly meeting in Rome in October. She has worked for Kässbohrer – one of Europe's largest semi-trailer producers – for more than 13 years and is the first woman to be elected to one of ESTA's most senior positions.

ESTA's Rome meeting also appointed a new treasurer: Rainer Sasse, CEO at Luxtrailers. He takes over from Jens Enggaard, CEO at Denmark's BMS Group.

## PARIS 2024 – SAVE THE DATE

Paris – during the Intermat exhibition – is the venue for the ESTA 2024 Spring Meeting on 25 and 26 April at the Hilton Paris Charles de Gaulle Airport. The 2024 ESTA Awards will be held in the evening of 25 April.

For more information about the meetings or to participate, contact: [officemanager@estaeurope.eu](mailto:officemanager@estaeurope.eu) or go to [www.estaeurope.eu](http://www.estaeurope.eu)

# IC TOP LIFT - OUTSTANDING OPERATIONS

TOPLIFT 2023

TOPLIFT 2023



## Outstanding operations

Our annual TopLift competition returns as we reveal ten of the most impressive lifts from the last 12 months. Pick one as your favourite and vote for it. NIAMH MARRIOTT reports



### ENTRY 1

#### OFFSHORE OPERATIONS

EQUIPMENT USER: Mammoet  
EQUIPMENT USED: PTC200-DS super heavy lift ring crane  
LOCATION: Norwegian North Sea  
Heavy lift and transport specialist Mammoet used a PTC200-DS ring crane, a Liebherr LR 1750 crawler crane, 24 axle lines of SPMT and a range of smaller cranes to assemble turbines onshore for the Hywind Tampen wind farm off the Norwegian coast.



### ENTRY 3

#### ON THE HOOK

EQUIPMENT USER: Eisela AG  
EQUIPMENT USED: Liebherr LTM 1500-8.1 and LTM 1130-5.1  
LOCATION: Germany  
Crane and engineering group Eisela used a 130 tonne capacity Liebherr LTM 1130-5.1 and a 500 tonne capacity LTM 1500-8.1 wheeled mobile crane to install concrete girders in a new sports hall in Wiesbaden, West Germany.



### ENTRY 6

#### DEMOLITION DELIGHT

EQUIPMENT USER: Artes Group  
EQUIPMENT USED: Kobelco CKR800G-2  
LOCATION: Belgium  
Artes Group used a Kobelco CKR800G-2 lattice boom crawler crane to erect a 1 metre high, sea-proof, U-shaped cofferdam as part of the renovation work on Blankenberge's iconic pier in Belgium. The pier was demolished and reconstructed in record time.



### ENTRY 9

#### EXCELLENT ENGINEERING

EQUIPMENT USER: Heerema Marine  
EQUIPMENT USED: Thialf, semi-submersible crane vessel  
LOCATION: Baltic Sea  
Heerema Marine Contractors installed the first of 27 turbines at the Arcadia Ost 1 offshore wind farm in the Baltic Sea, offshore Germany, using a unique floating installation method which ensures zero seabed interaction.



### ENTRY 2

#### HEAVY HOIST

EQUIPMENT USER: Blyor  
EQUIPMENT USED: SGC 250 super heavy lift ring crane  
LOCATION: UK  
Heavy lift and transport giant Blyor used its 5,000 tonne capacity super heavy lift ring crane Big Carl to lift the final linear ring into place at one of the nuclear reactors being built at the Hinkley Point C nuclear power station.



### ENTRY 4

#### TANDEM TURBINES

EQUIPMENT USER: Tintohl  
EQUIPMENT USED: Grove GMK5250XL-1 and GMK6400  
LOCATION: Spain  
Crane rental company Tintohl used its Grove 250 tonne capacity GMK5250XL-1 and 400 tonne capacity GMK6400 all terrain cranes in tandem to dismantle a wind turbine in Palencia. Both were rigged to their maximum boom lengths with the GMK6400 lifting just over two thirds of the load.



### ENTRY 7

#### RIDING HIGH

EQUIPMENT USER: BSH  
EQUIPMENT USED: Tadano AC 3.05S-1  
LOCATION: Germany  
German-based crane service provider BSH used its Tadano AC 3.05S-1 all-terrain crane to disassemble a 1,000 metre long roller coaster at the Düsseldorf Rhino Fair. Tearing down the ride meant that loads weighing from 300 kilograms to 6 tonnes had to be lifted, including the many 2 tonne track sections.



### ENTRY 10

#### SUN CONSTRUCTION

EQUIPMENT USER: ITER  
LOCATION: France  
At the ambitious ITER nuclear fusion project in France, two enormous remotely operated bridge cranes extracted the first 1,380 tonne wedge-shaped pre-assembled segment of the vacuum vessel and slowly moved it into the torus port.



### ENTRY 5

#### RECORD BREAKING

EQUIPMENT USER: XCMG  
EQUIPMENT USED: XBT15000-600S  
LOCATION: China  
Chinese crane manufacturer XCMG supplied an XBT15000-600S tower crane to lift heavy steel towers to a height of more than 300 metres for a mega scale bridge construction.



### ENTRY 8

#### BRIDGING BRILLIANCE

EQUIPMENT USER: Marr Contracting  
EQUIPMENT USED: Favella Favco M24800  
LOCATION: Australia  
Marr Contracting completed the first of 10 lifts at the Kangaroo Point Green Bridge in Brisbane, Australia, using its M24800 tower cranes to lift a 25x25 metre platform. The heaviest lift for the project will



## SARENS OPENT WIND SERVICE-VESTIGING



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GEEN CATEGORIE

### Sarens opent Wind Service-vestiging



21 NOVEMBER 2023

**Sarens heeft een nieuw Wind Service-bedrijf geopend in Helsinki, Finland – Sarens Wind Service Finland Oy.**

Het nieuwe bedrijf zal worden geleid door algemeen directeur Enrika Uksitalo, die sinds 2021 haar eigen bedrijf Lit-Auto, dat oplossingen biedt voor het opladen en de mobiliteit van elektrische voertuigen, leidt, maar in januari ook bij Sarens begon te werken als key account manager.



Huge onshore and offshore lifts from around the world. **NIAMH MARRIOTT** reports

# Big lifts

**D**espite boasting some of the biggest offshore wind farms in the UK, a recent auction for offshore wind projects failed to attract any bids, leading the government to change the amount to pay for renewable electricity by more than 50 per cent. Companies in the offshore sector say this is due to rising inflation and interest rates. It is hoped this change will encourage future projects in the region, which will of

course require some seriously heavy lifts.

Gearing up for large offshore jobs, Allseas has updated the capabilities of its vessel Pioneering Spirit with a new jacket lift system. Integral to the system are two 170 metre hinged beams with integrated tail extensions, built to install and remove entire jackets up to 20,000 tonnes in a single lift and designed to operate in bad weather.

The Switzerland-headquartered

company has landed a major contract that will involve one of the world's heaviest ever offshore installation operations. The contractor has been selected by Aker BP to transport and install the huge 24,000 tonne production, drilling and quarters deck atop a steel jacket as part of the Noaka project offshore in Norway.

The contract award follows the completion of front-end engineering and design work for a single-lift transport and installation solution tailored to Allseas' heavy lift vessel. Allseas head of projects, Matthijs Groenewegen, says, "It will be one of the heaviest offshore installation projects in history".

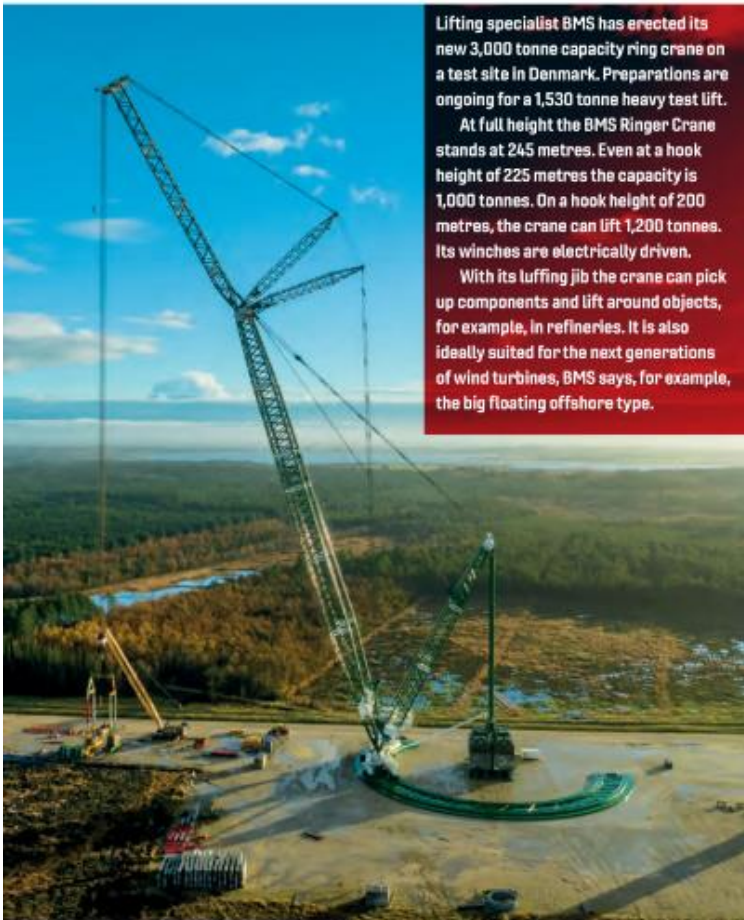
## OFFSHORE INSTALLATION

Van Oord's heavy lift installation vessel, Svanen, has already installed more than 700 foundations throughout Europe and the vast majority of monopiles in the Baltic Sea. It recently installed the first of 50 monopiles for the Baltic Eagle offshore wind farm, located 30 kilometres northeast of the German island of Rügen.

With a production capacity of 476 MW, Iberdrola's Baltic Eagle offshore wind farm is scheduled to be fully operational by the end of 2024.

The installation strategy for the foundations is based on the feeder concept, which involves floating the foundations to the Svanen at the offshore installation site. The monopiles are being transported to the site from EEW in Rostock, Germany. Once they have arrived, Svanen lifts them upright. After precise positioning by the gripper, pile-driving begins. Van Oord already started transportation of the transition pieces from the port of Aviles in Spain to the Van Oord site at the port of Mukran in Germany, at the beginning of March.

The transition pieces are scheduled to be installed later this year. Van Oord's cable-laying vessel Nexus and trencher Dig-It will be deployed to install and bury the inter-



Lifting specialist BMS has erected its new 3,000 tonne capacity ring crane on a test site in Denmark. Preparations are ongoing for a 1,530 tonne heavy test lift.

At full height the BMS Ringer Crane stands at 245 metres. Even at a hook height of 225 metres the capacity is 1,000 tonnes. On a hook height of 200 metres, the crane can lift 1,200 tonnes. Its winches are electrically driven.

With its luffing jib the crane can pick up components and lift around objects, for example, in refineries. It is also ideally suited for the next generations of wind turbines, BMS says, for example, the big floating offshore type.



SARENS FEATURES ON THE COVER PAGE OF INTERNATIONAL CRANES AND SPECIALIZED TRANSPORT MAGAZINE



# RIGHT TRACK

## LATTICE CRAWLER CRANES

Lattice boom crawler cranes are proving their suitability for a range of jaw dropping projects.

NIAMH MARRIOTT reports

# Right track

As the sheer size of wind turbines and components increases, crane manufacturers have had to adapt and produce ever-larger models to meet the strong demand for green energy construction projects.

Earlier in 2023, international heavy lifting and transport specialist **Sarens** took delivery of the first unit of Liebherr's new 2,500 tonne capacity crawler crane, the LR 12500-1.0.

Commenting on the acquisition Carl Sarens, director of technical solutions, projects and engineering, says, "The capacity of the LR 12500-1.0 is enormous. Operations in the renewable energy sector are a particular focus for the crawler crane. The handling of offshore wind turbines in ports is becoming more and more important and the individual weights of the components are constantly increasing. The initial assembly of the new cranes worked very well."



Liebherr's narrow track version of its 700 tonne capacity lattice boom crane for wind farm work



Sarens' 2,500 tonne capacity LR 12500-1.0 crawler crane at work in Germany

### GAME CHANGER

**Sarens** adds, "The high lifting capacity of the LR 12500-1.0 is the outstanding feature for us and will enable us to close the gap between our crawler and ringier cranes."

Rostock was the first place the LR 12500-1.0 was put to work for Sarens' client Van Dord where it lifted 50 monopile foundations for offshore wind turbines. Each one had a diameter of up to nine metres and a length of up to 90 metres. They were lifted into the water in tandem with an 800 tonne capacity Liebherr LR 1800-1.0 lattice boom crawler crane.

**Sarens** named its new crawler crane Straffen Hendrik, after its employee Hendrik Sanders. **ICST** spoke exclusively to Hendrik and he gives his opinion on the current crawler market. "We see more and more here in Europe, smaller crane companies have relatively big crawler cranes in their fleet. It is all to do with the increasing heights of wind turbines, and it's rising.

For the moment, the maximum hub height here in Europe is about 160 metres. The expectation is that this will go up.

"Designing a crane to meet future demand is difficult as it's hard to predict what heights will be reached and needed. "The biggest challenge in terms of safety, as with many other crane types, is working at height. In the last 10 years, manufacturers have made real progress on this. With increasing wind turbine erection demand, the heights are getting bigger, and beyond the initial 200 metres that was suggested 10 years ago, but luckily the safety culture is already in place from the refinery and petrochemical jobs of the past."

He adds, "Depending on the duration of a particular job, telescopic cranes are a real advantage as you can travel easier to site than with lattice boom cranes, and it can be a very fast assembly."

To read the full interview see: [www.international.com](http://www.international.com)

### ELECTRIC DREAMS

Some crawlers are adapting to the sustainability demands impacting the industry with new electric options.

Manufacturer Liebherr has four electric options for its lattice boom crawlers as part of its Unplugged series. It is also interesting to note that it has launched a narrow track version of its 700 tonne capacity crawler crane for erection of wind turbines with hub heights up to 170 metres. The LR 1700-1.0W is touted as being the most powerful narrow track crawler crane on the market. It replaces the LR 1600/2-W, a narrow track version of the 800 tonne LR 1600/2. Benefits include more power and greater lifting height.

Reducing the spacing between the crawler frames allows travel on the narrow roads between individual wind turbines during the wind park construction phase.

Projects in tunnels and other confined

## LATTICE CRAWLER CRANES



### REACTOR MOVES

TotalEnergies Raffinerie Mitteldeutschland recently contracted Mammoet to replace two reactors at a POX methanol plant on a chemical site in Leuna, Germany.

A complete shutdown of the plant was not possible, as the required production volume had to be always guaranteed. Therefore, only one reactor at a time could be removed and replaced.

Mammoet had to devise a solution to minimise disruption of operations and concluded that the most efficient solution to replace the reactor unit would be to use a Liebherr LR 1750 crawler crane.

It can lift and move a load of 140 tonnes at the same time, as well as perform all other lifting operations. This was necessary because, due to space limitations, the pre-assembly and storage area for the components was located approximately 200 metres from the installation position.

First, the old reactors were removed and transported to the laydown area. Special demolition chains were used, and the new components were lifted into place.

### Vernazza Autogru's Tadano CC 66.1250-1 lattice boom crawler crane working on the Saipem CastorOne pipelaying ship

electric cranes, especially where neighbours and businesses could be affected by noise and diesel exhaust.

### NARROW SIZE

An advantage of crawler cranes is their pick and carry ability. As a result, they have a relatively large lifting capacity in relation to their size.

At a port in Marseille, France, Forme 10, one of the biggest dry docks in Europe, Italian crane company Vernazza Autogru used its Tadano CC 66.1250-1 to lift technical equipment onto the Saipem CastorOne, one of the world's largest pipelaying ships.

"Not a single one of the employees at the site had ever seen such an enormous crane before – which maybe isn't that surprising, given that our CC 66.1250-1 is the biggest crane currently in use in France and Italy,"



To watch a video of this lift, see: [youtube.com/watch?v=02knoV9M4sA](https://www.youtube.com/watch?v=02knoV9M4sA)

says Vernazza Autogru general director Paolo Dellino.

The heaviest load was a 500 tonne pipeline winch with a five kilometre steel wire rope that had to be lifted to a height of five metres at a radius of 25 metres. "These specifications really make it clear that only

# SARENS INSTALLS LOCKS AT THE RADICATEL QUAYSIDE

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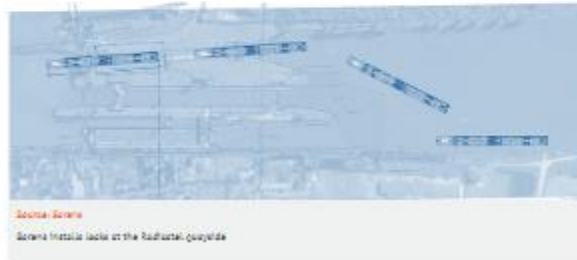
PROJECTS

## Sarens installs locks at the RadicateL quayside

By David Kerkhove | 04 November 2023



Belgian heavy lift and transport engineering expert Sarens demonstrated its expertise when installing locks at the RadicateL quayside in Notre Dame de La Garenne, France.



Source: Sarens  
Sarens installs locks at the RadicateL quayside

The Sarens technical solutions and engineering team developed and executed this significant project on behalf of client Matéria. The massive locks had to be manoeuvred through difficult channels of water and clear low bridges, before being installed at a busy quayside in Normandy.

The company installed its OC3800-S crane on the Karel-Niktor twin barge, which would be coupled longitudinally for installation. Karel-Niktor was chosen because it had the capacity to transport and install the lock parts while respecting a 12 m width restriction. The barge also had to be low enough to pass underneath bridges, in some cases with only a 30 cm clearance.

The Sarens team was tasked with planning around frequent deliveries at the quay, but the biggest challenge would be stabilising equipment during a water-based operation that could include heavy winds and waves. Sarens also provided BE200 ballast pumps to ensure stability during load-in and installation, as well as hydraulic winches to position the barge correctly.

The engineering challenge facing the team was that loading the crane and lock parts onto an 11.6 m barge would create low stability conditions, and these would have to be carefully managed via a comprehensive pumping sequence that accounted for every shift in weight during the operation.

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## PROJECTS

# Sarens installs event structure for Ghent Jazz Festival

By Regine Kamas | 2 December 2017



Earlier this year, Sarens installed a complex event structure for the Ghent Jazz Festival in Belgium, lifting preassembled frames for the main tent as well as other smaller marquees.



Source: Sarens

Louis Hays Special Transport tasked Sarens with the lifting work, with the frames having a maximum weight of 6 tonnes and a maximum height of 15 m. The preassembled frames had to be lifted and installed in a confined space in the centre of the city.

Considering the load details and the space available, Sarens used the LTM 1150 as the main crane and run smaller LTM cranes

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# BIG CARL LIFTS HINKLEY POLAR CRANE INTO PLACE



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EQUIPMENT

## Big Carl lifts Hinkley polar crane into place

4 December 2015



Sarens' SGC-250 crane, named Big Carl, has lifted the 750-tonne polar crane into place at Hinkley Point C nuclear power plant project in the UK.



The polar heavy-duty crane will rotate 360 degrees at the top of the building and will be used to install heavy equipment during construction, such as the reactor. It will also be used when the power station is operational for refuelling and maintenance.

With the lift completed, the first reactor building at the nuclear plant is ready for the dome to be installed.



Most pop

- Thumbnail 1
- Thumbnail 2
- Thumbnail 3
- Thumbnail 4
- Thumbnail 5

# OFFSHORE WIND'S RISING TIDE

This year the world's installed wind-powered generation capacity is set to pass the one-terawatt mark with the greatest growth coming from offshore windfarms. The potential for floating offshore wind in Europe, the US and Japan is estimated in the region of 7 TW. Construction is happening at almost breakneck speed. **Julian Champkin** reports.

Talk sustainable energy sources – wind, solar, hydro, tidal, geothermal, perhaps nuclear – and wind power is the most

© Mammoet's SK6000 will unlock lifting power for floating windfarms

visible of them. It is also the one that, arguably, offers the most immediate, and one hopes heartening, progress towards large

scale green energy supply. This is particularly true of offshore wind where the towers and blades used can be several times greater than their onshore cousins. Jackets and monopiles are reaching both heights and weights that are pushing the capacity of lifting apparatus to the limits. We wrote recently, in the dockside lifting feature in our June 2023 issue, about how dockside installations have been increasing in size and capacity to manage the ever-increasing lifting demands of offshore installations. We make no apology about returning to the subject here. Climate change, and the energy transition that perhaps may limit it, is a defining challenge of our time. The progress, the scale, indeed the speed of development here is immense and lifting companies are at the forefront of it.

One consequence of their efforts is that the costs per generated gigawatt of offshore windfarm installation have fallen by more than 60% over the past three years (source: industry body Wind Europe). A significant bottleneck, though, is the availability of dockside installations that can handle the huge components.



28 CRANES TODAY



## WORLD'S LARGEST ELECTRIC CRANE

As an illustration of that problem, and of the measures being taken to tackle it, consider this: the world's largest electric crane is now being built. And it is being built specifically for offshore wind.

The Mammoet SK6000 is a ring crane with a capacity of 6,000 tonnes. It has been some time in gestation – the project was announced in 2020 – but its first parts will soon be delivered to Mammoet's central engineering plant in The Netherlands. Fabrication and production will continue through the year to ready it for its first project, with delivery scheduled in 2024.

Mammoet has announced the crane will have a fixed-jib configuration that will allow offshore wind developers to reach deeper waters and significantly cut the cost of floating wind assembly. Lifts of 3,000 tonnes at 220 metres height will become a reality. The new configuration means that the crane can load out floating foundations using its main boom, then immediately use its fixed jib to assemble the turbine tower.

No reconfiguration will be necessary between scopes, further improving build efficiency.

The crane sets a new standard in worldwide heavy lifting, says Mammoet. Its outreach, hook height and lifting capacity allows customers to construct with heavier and larger components than ever before.

The new ring crane shares the same engineering DNA as its predecessor, the SK350, with similar design principles and lifting techniques. "This was always the basis of our original design philosophy," says Mammoet technical expert Jeremy Haylock.

"We wanted to develop a product that would be scalable and agile. Because the world is developing so quickly, and the changes around us are so vast, our aim was to deliver a product that would allow us to grow in real-time with our customers."

Like earlier models, the SK6000 is containerised, enabling swift mobilisation and on-site assembly. It has been designed with next generation offshore wind farms in mind and will serve all global energy markets where additional lifting capacity is needed.

© Sarens loading out a floating foundation for Provenca Island Large

"As the industry moves towards 20MW turbines, offshore wind components continue to grow in size and weight," Haylock continues. "More lift capacity is needed. The SK6000 delivers this capacity and unlocks a major design constraint. It will enable customers to integrate higher and bigger turbines, and launch heavier foundations, be they fixed or floating."

And for those who suppose that diesel is indispensable to heavy lifting it shows these heartiest of offshore lifts can be carbon free.

The SK6000 will be operational very soon; it is at present, nevertheless, a work in progress. For an example already in operation point to Mammoet's PTC12-10-DS ring crane installation at the port of Nigg, Scotland, where it has been serving the Seagreen offshore wind farm. It has taken years of planning and work to bring crane, and project, to fruition. A defining issue was the high tides at the port. The final wind turbine, however, was installed at the end of June this year and two-thirds of the project's 114 turbines are already supplying green energy to consumers. The box on page 32 tells the full story. ●

CRANES TODAY 29

## SARENS MIT 68 NEUFAHRZEUGEN NACH USBEKISTAN



### Sarens mit 68 Neufahrzeugen nach Usbekistan

Das global agierende Unternehmen Sarens nimmt auch bei Windkraftprojekten eine aktive Rolle ein. So zeichnen sich die Experten beispielsweise für den Transport von Elementen des 1-Gigawatt-Windkraftprojekts von ACWA Power im usbekischen Buchara verantwortlich. Ein Großprojekt, für das im Vorfeld bei Faymonville insgesamt 68 Neufahrzeuge bestellt wurden.

Die anspruchsvolle Aufgabe in Zentralasien besteht darin, bis Ende 2024 die Einzelkomponenten von 158 Anlagen von der chinesischen Grenze über Kasachstan nach Usbekistan zu transportieren. Jede Windkraftanlage setzt sich zusammen aus vier Turmsegmenten mit einem Höchstgewicht von bis zu 96 Tonnen, drei Windflügeln von je 29 Tonnen, einer 44-Tonnen-Nabe und einer Gondel von 129 Tonnen. Insgesamt umfasst der Einsatz 1.422 Fahrten mit einer Gesamtlänge von je 3.800 Kilometern.

#### Enger Zeitrahmen als Vorgabe

In Anbetracht der Größe des Projekts stellt Sarens für die anfallenden Aufgaben einen neuen Fuhrpark zusammen – und dies in Zusammenarbeit mit Faymonville. Das Gesamtpaket umfasst 25 TeleMAX Telesattel für die Rotorblätter, 32 MultiMAX Semi-Tieflader für die Turmsegmente S2, S3 und S4 sowie 11 MultiMAX Semi-Tieflader mit gekröpften Achsen für die großvolumigen S1-Turmelemente. Alle Spezialauflieger und die

dazu gehörigen 32 Mercedes Benz Arocs 3358LS 6x4 Sattelzugmaschinen werden in einem Rekordzeitfenster von nur 30 Tagen von Europa ins kasachische Almaty ausgeliefert.

#### Intensive Vorbereitungsphase

Für die detaillierte Streckenstudie vertraut Sarens auf eine Software, die bei der Kostenschätzung für den Straßenumbau, bei der Suche nach der geeignetsten und kürzesten Route und bei der Simulation von Kurvenfahrten hilfreich ist. Projektmanagerin Elvira Kolenko erklärt: „Der Transport der 84 Meter langen Rotorblätter stellt eine besondere Herausforderung dar; der Gesamtzug erreicht eine Länge von 105 Metern.“

Und zu den Rahmenbedingungen ergänzt sie: „Es wurden im Vorfeld auf fast 50 000 Quadratmetern Bodenvorbereitungen durchgeführt. Darunter das Abändern von Kurven, der Bau einer Umgehungsstraße und die Verbreiterung von Straßen. Außerdem haben wir mehr als 60 Lichtmasten, Kabel sowie Straßenschilder entfernt und umverlegt. All diese Arbeiten sind natürlich mit vorheriger Genehmigung und unter Berücksichtigung der örtlichen Behörden und Richtlinien durchgeführt worden.“



# HEAVY LIFT AWARDS SHORTLISTS REVEALED



After a rigorous judging process by our panel of industry experts, the finalists for the Heavy Lift Awards 2023 have been announced.

**HEAVY LIFT AWARDS 2023**  
**25 OCTOBER 2023**  
**ROYAL LANCASTER HOTEL**

Following a two-month judging process, comprising an online judging phase and a day of virtual meetings, our panel of industry experts has decided on the shortlists for the Heavy Lift Awards 2023.

This year once again saw an extremely high standard of submissions. HLPFI would like to thank everyone that submitted an entry. Not only were we astounded by the number of entries, but the quality.

**High calibre**

The calibre of submissions this year also attracted comments from our judges, with the panel noting that making it on the shortlist is a huge achievement that should be celebrated. Often, there was only a few points separating the entries and the discussions across our virtual judging day saw our panel make some very difficult decisions.

HLPFI would like to thank all of our judges for taking the time to once again take part in the awards – without their dedication, diligence and expertise the

**Airfreight Solution of the Year**



sponsored by Blue Water Shipping:

- Air Canada Cargo
- Blue Bell Shipping
- Chapman Freeborn
- deugro
- Fracht Group
- Rolf Riedl, Antonov Airlines, and Kita Logistics

**Environment Award**



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- Logistec Stevedoring
- Sarens
- Wallenius Wilhelmsen

**Excellence in Engineering**



sponsored by DHL Industrial Projects:

- AAL Shipping
- Caba & Misnak
- Hareket Heavy Lifting and Project Transportation
- Mammoet
- Osprey Group
- Scaldis Salvage & Marine Contractors



# Drive for diversification shifts trade into Southeast Asia



There has been much talk of 'China-plus-one' sourcing strategies in recent years – particularly since Covid-19 struck – as manufacturers seek to reduce their exposure to supply chain disruptions and political tensions. The impact of this trend on project logistics in Southeast Asia is a matter of some debate, reports Megan Ramsay.

**T**he changing face of project logistics in Southeast Asia has caught the attention of many in the industry. The China-plus-one strategy, which involves diversifying supply chains away from China to other regions, has led to a surge in demand for project cargo services in Southeast Asia. This has led to more competition among transportation companies but it has also created new opportunities...



**There has been a rise in demand for project cargo transportation services. This has led to more competition among transportation companies but it has also created new opportunities...**

Mark Williams, general manager at K&M Shipping, says that the rise in demand for project cargo services in Southeast Asia is a result of manufacturers seeking to diversify their supply chains away from China. He notes that this has led to a surge in demand for project cargo services in Southeast Asia, particularly in the region of Southeast Asia. Williams notes that this has led to a surge in demand for project cargo services in Southeast Asia, particularly in the region of Southeast Asia.

**Steady growth**  
 Ports in Southeast Asia have seen steady growth in project cargo volumes. This has led to more competition among transportation companies, but it has also created new opportunities for growth and expansion. The region's ports are seeing a steady increase in project cargo volumes, particularly in the region of Southeast Asia.

With Chinese production halted again, more manufacturers were forced to find alternative production facilities. Some manufacturers are looking to Southeast Asia, Vietnam and Thailand (the latter particularly for work with Australia).

**deugo coordinates huge global project**  
 deugo has transported 200,000 freight tons of petrochemical equipment from over 35 ports and airports around the world to a construction site on Long San Island, Vietnam (pictured). The work, undertaken on behalf of FPSK – a Consortium of TechnipFMC and SK Engineering & Construction – involved 155 breakbulk shipments on 53 chartered heavy lift vessels, in the face of ever-changing covid restrictions, high freight rates and limited vessel capacity.



NEWS in BRIEF

**Mammoet adds equipment**

Mammoet has added three FlexMAX self-steering trailer combinations with blade adapters from Faymorville to its haulage fleet. Mammoet's Belgian branch took delivery of two semi-trailers from the MultiMAX range – a six-axle vehicle on hydraulic suspension and steering, as well as a telescopic and extra-low three-axle unit. In the USA, the company added two nine-axle HighwayMAX trailers.

**German crisis group formed**

A group of 31 economic, business and transport organisations have come together to increase the pressure on the German government to take urgent action to improve the heavy transport crisis in the country. *Read more on page 60.*

**Laso expansion in Italy**

Portuguese specialised transport company Laso Transportes is expanding its activities in Italy and opening an office in Milan – its second branch office in the country.

**Greiner delivers trailer**

Germany-based manufacturer Greiner has delivered a bespoke heavy-duty trailer to Airbus. The Sefro heavy-duty trailer, measuring 16.5 m x 3.5 m, will be used to transport different engine components within the Airbus Finkenwerder facility.

**BMS places TII order**

Denmark-headquartered BMS has placed an order for more than 300 axle lines of SPMTs with German manufacturer TII Scheuerle. The axle lines will be delivered over the course of the next three years.

**SPMTs head to Asia**

Cometto has been able to secure SPMT orders from Australian Naval Infrastructure (ANI) and Dae Myung Crane. ANI has acquired 96 axle lines of SPMTs, while Dae Myung Crane, a key player in South Korea's shipbuilding industry, has boosted its trailer fleet with the acquisition of 48 axle lines from Cometto's Evo-series.

# ESTA progresses with trailer operator licence

The European association for abnormal road transport and mobile cranes – ESTA – is moving forward with its plans to develop a European Trailer Operators Licence (ETOL) for SPMT operators.

The plans were put forward at the association's spring meetings in the Netherlands, where they were met with strong support from members. Moving forward, the ETOL licence scheme will be developed using the operational and management structure of the existing European Crane Operators Licence (ECOL).

The idea of creating a licence had been proposed by ESTA's SPMT working group, which is updating ESTA's 2016 SPMT Best Practice Guide, and whose members comprise 12 of the biggest and most influential companies in the sector. Concern has been growing in the industry at

the lack of recognised training qualifications and the need to improve safety standards as the SPMT market grows.

Ton Klijn, ESTA director, said: "There is no doubt of the huge demand for such a licence, and the training that will be required to obtain one. We have received strong backing from companies and individuals the length of the supply chain – from clients, our transport company members and operators themselves."

The working group's 12 member companies come from eight different countries, reflecting the widespread concern about SPMT standards across Europe, added ESTA.

The member companies are: Collett & Sons, Cometto, DNV, Fagioli, Goldhofer, Mammoet, Sarens, Siemens Gamesa, Technip Energies, Terra Navica, TII Group and Wagenborg.

## France to replace TENET system for abnormal loads

France is rolling out an online platform for the registration of abnormal loads. The platform – Mon Transport Exceptionnel –

was launched on June 15 and will progressively replace the existing TENET system for formulating requests for abnormal loads in

France. The old system will be closed on September 15, 2023. Transport operators can already register on the platform.

# PSA ACQUIRES SINOTRANS STAKE

## NEWS in BRIEF

### Scan Global opens office in Nairobi

Scan Global Logistics (SGL) has opened its first office in Nairobi, Kenya. SGL said it is already strongly represented in Western Africa with offices in Togo, Benin, Mali, Ivory Coast, Senegal and South Africa. The latest office boosts its footing on the east of the continent.

### Doherty acquires SLS and Martin Burgess

UK-based Reiner, owner of Doherty Heavy Haulage, has acquired freight forwarder Specialist Logistics Services (SLS) and its partner company Martin Burgess Logistics. SLS offers a turnkey service for out-of-gauge (OOG) and abnormal cargoes. Both companies will continue to operate independently.

### Legend Group expands

Singapore-headquartered Legend Group is expanding its operations in North America with the opening of an office in Houston, Texas. Ruben Holland, who has 15 years of experience in the industry, including six years in the USA, will lead the Houston office as the general manager of Legend Logistics (USA).

### Geodis takes over ITS

Geodis has acquired Switzerland-based ITS - International Transport & Shipping, which specialises in high-tech special services, organizing transport and logistics for dedicated projects and outsized equipment for the industrial automotive and defence sectors.

### MBS debuts in Zurich

MBS Logistics Group opened its first branch in Zurich, Switzerland, on July 1, 2023. It will offer a complete range of air, sea and road freight forwarding services.

### Heavy lift merger

Rotterdam-based HEBO Maritiem Service and Bom & Mees Floating Stevedores have merged their operations. HEBO is often engaged with infrastructure, emergency response, salvage operations, transportation, wind, and decommissioning projects.

## Blue Water continues its global expansion

International transport and logistics company Blue Water Shipping has been busy expanding its operations with several office openings.

In the Middle East, it expanded its network with an office in Basra, Iraq. Blue Water said this will strengthen its presence in the region after witnessing an increasing demand for its services. The company has also opened an office in Beijing, China. Jason Guh, regional director, energy, ports and projects Asia, said: "With the opening of our Beijing office, we are strengthening our service, especially towards the oil, gas and wind sectors. At the same time, we continue to focus on new opportunities within solar, chemical and mining."

In Oceania, Blue Water opened an office and warehouse



The Blue Water Shipping office team in Iraq.

in Papua New Guinea. Blue Water Oceania said that its fully operational warehouse in Papua New Guinea offers customers reliable logistics solutions. Located at a prime position at the Lae Tidal Basin, the office and warehouse offer easy access to major transportation routes and logistics hubs. It will soon expand its services to Port Moresby, the country's capital.

## Sarens forms partnerships in key markets

Sarens and Trans Wonderland (TWL) have established a joint venture, Sarens PVC, to provide heavy lifting, transport engineering, crane rental and integrated logistics in Papua New Guinea.

Andrew Fury, TWL's chief operation officer, recognised the potential of the market: "We have a fleet of local cranes on the ground in Papua New Guinea ranging from 40-250 tonnes, and our priority for the first six months is to get them all

working. In order to do that we know we need to be competitively priced and deliver a superior experience for clients, and we are prepared to do both."

Sarens also launched a wind energy division in collaboration with a Polish partner: Sarens Wind Service (SWS). The division will specialise in European onshore and offshore wind market. Its primary scope will be maintenance of wind turbines. While Sarens did not name its Polish partner, it said that it has

extensive experience in the construction and service of onshore and offshore wind turbines. It will also open a Global Wind Organisation Basic Training (GWO B3T) academy for basic technical training, sea survival, and hub and nacelle works.

Moreover, in collaboration with Effe Holding, Sarens also acquired shares in Italy-based Zanetti Solution, a provider of specialised lifting and transport services.

## Clemenger Bertling Projects established

Bertling Logistics and Clemenger International Freight have established a joint venture - Clemenger Bertling Projects - targeting the Australian market.

The venture - headquartered in Perth with offices in Melbourne, Sydney, and Brisbane - commenced operations on July 1, 2023 led

by Chris Nicholson. Both venture partners have a long history of working together and will focus on the energy, mining, and construction sectors.



Left to right: Wim Heck (CEO), Patrick van der Meide (Roll Africa director), Sushil Sachdev (CEO), Harmen Tiddens (Roll Africa director).

## Roll Group boosts footprint in Africa

Roll Group is enhancing its capabilities in Nigeria through a partnership with heavy transportation and lifting company Cranes "R" Us.

Roll Africa was launched in February with the appointment of Patrick van der Meide and Harmen Tiddens, who said: "It is part of Roll Group's strategy for Africa to team up with local players, to offer even more reliable factory-to-foundation solutions to clients. Combining

the forces of Cranes "R" Us and Roll Group enables us to provide the highest quality equipment and safely execute engineered solutions, also in Nigeria."

Cranes "R" Us operates cranes ranging from 20-250 tonne lift capacity, six prime movers, and 28 axle lines of hydraulic modular trailers. Sushil Sachdev, CEO of Cranes "R" Us, said the partnership "enables us to offer more services and even better value to our clients, who can rely

on our constant presence and experience in Nigeria and Roll's equipment and expertise".

In East Africa, meanwhile, Roll Group appointed CMTL Logistics as its commercial agent in Tanzania. Dar Es Salaam-based CMTL Logistics was founded in 2008 and specialises in logistics solutions to and from the surrounding countries, such as Uganda, Rwanda, Kenya and Zambia.

## PSA acquires Sotrans stake from ITL

PSA International, through its subsidiary PSA Cargo Solutions Vietnam Investments, has acquired a minority stake in Sotrans Group from Indo-Trans Logistics (ITL).

Sotrans is a leading logistics provider in Vietnam. It operates in three main business areas, each held by a subsidiary company: ports/inland container depots and barging; freight forwarding and contract

logistics; and the transport of heavy lift and project cargo.

The partnership between PSA and ITL leverages Sotrans' strong presence in Vietnam. Sotrans' local expertise in logistics, ports, barging and project cargo fits with PSA's global network of deepseas, rail and inland terminals, affiliated businesses in distripraks, warehouses, logistics and marine services, comprehensive

suite of digital solutions, as well as global expertise in end-to-end supply chain services.

Zulfifi Bin Bahaudin, executive chairman of ITL, said: "PSA's acquisition of a strategic stake in Sotrans represents confidence in ITL and is an opportunity for us to leverage on PSA's global network to maximise the growth potential of Vietnam's port and maritime industry."

## ShipNext partners with XLP members

Digital freight platform ShipNext has signed a strategic partnership with the XLPProjects network. XLP members will benefit from access to the

full ShipNext platform for a year, including features such as the trading desk, cargo and fleet monitor, port information, freight calculator, and more.

ShipNext's platform aims to cut through information overload caused by high volumes of email, using AI and natural language processing tools.

## NEWS in BRIEF

### Crowley invests in Tugdock

Crowley has invested in UK-based Tugdock, which is developing a road-transportable floating drydock for the offshore wind energy industry. The two companies will explore the potential use of the Tugdock Submersible Platform (TSP) in locations such as the US West Coast, where depth and conventional drydocks may be ill-suited for the logistics required.

### LP lands in Sydney

Logistics Plus (LP) has opened an office and warehouse in Sydney, Australia, which will provide air and ocean freight forwarding, warehousing and storage, project cargo logistics, Customs clearance and trade compliance services, as well as other SPL/PLP supply chain solutions.

### Mammoet sale ceased

SHV Holdings has decided against selling its transport engineering and heavy lift subsidiary, Mammoet. SHV said that it has decided not to pursue any of the interest expressed in the purchase of Mammoet as they do not meet our aim of finding a better owner. Mammoet will therefore continue the execution of the strategy within the SHV family of companies."

### Goldhofer boosts network

German manufacturer Goldhofer has strengthened its Southern Europe sales network having partnered with Spain's Trainar Semiremolques. Goldhofer said that customers will benefit from access to new and used vehicles. Trainar also offers a documentation service for obtaining permits as well as inspection files for technical modification cards.

### MyCrane secures funds

Dubai-based online crane rental provider MyCrane has raised funding from private investors to support its expansion in global markets, including the USA and Saudi Arabia where the company will establish its own operations. Capital will be deployed to accelerate sales and marketing activities too, boosting operations in APAC and South Asia.

# STRATEGIES TO PLUG THE MANPOWER GAP



OPERATIONAL REVIEW RECRUITMENT & TRAINING

OPERATIONAL REVIEW RECRUITMENT & TRAINING

## Strategies to plug the manpower gap

Competition for talent is exceptionally high across many industries and young professionals often shun logistics, attracted down other supposedly more exciting career paths. The niche project logistics and heavy transport industries, meanwhile, are barely a ping on most people's radars. *David Kershaw* looks at some of the strategies being adopted to fill the void.

All Shipping said it is actively pursuing the brightest and the best candidate.

The pandemic threw logistics to the forefront of people's minds – rarely has the supply chain garnered so much attention and the public been aware of its importance to everyday life. Project logistics, however, continued about its business relatively true to form – in the background.

Fast forward three years, with oil and gas markets in flux and an energy transition in full swing, and there is an acute shortage of qualified staff at all tiers of the project logistics industry. There has been a broad array of tactics adopted by associations and companies alike to help cultivate new recruits and develop the industry's next generation of leaders, but most agree that much more needs to be done.

Thomas Skillingsted, president of 4D Supply Chain Consulting, said: "There is a lack of knowledge and knowhow in the industry. We have a pool of people working for us now – 14 full-time employees that we send out into companies that can perform and train staff in effective supply chain management," he explained. "There has been a great deal of work at 4D over the past 24 months to champion its services and increase awareness of the consultancy advice it can provide clients. Today, Skillingsted said 4D is supporting all industries, broadly within the energy market, but also within general cargo for construction, through to the NGOs and the entertainment industry.

"Training is one part of what we offer but when we come in that's when we can start adding value. We can support clients to identify areas of improvement in their supply chain process and we help to develop it. Subsequently we start looking at KPIs and how they are reporting. Then, there is a 'scoutball effect'. It's all about adding value to the project, the business and the industry," he explained. For example, when considering a project budget, "we make sure that budgets is kept, that the freight forwarder is doing what has been written in the method statements and project descriptions, and also that the client delivers what has been promised in order to achieve what they want to do within the project. We can act as the middleman for both parties by delivering value through prescriptive action."

### Improving standards

Skillingsted said that 4D's approach can fundamentally improve standards of a project and, ultimately, reduce cost efficiencies. "Things are coming alive and we are gaining traction with a number of clients," he said, and there is a steady growing pipeline of work ahead.

He believes that the lack of skilled industry personnel has been one reason for 4D's recent success. "Of course, that's a part of it," adding that there are plenty of personnel capable of project logistics management from afar, but there is often a

lack of skilled operatives throughout organisations and on the ground. "Then you have large corporate companies, that also move people around their organisation. That means for projects that could be six years in the making, from the RFQ to execution, and three years in production, a company could have changed or moved 50 percent of its staff." Clearly, holes in knowledge, expertise and understanding can emerge.

### Personnel challenge

Vishni Krishnan, senior consultant at 4D, believes demand for skilled personnel is still high and filling positions for logistics-related roles still seems to be one of the biggest challenges in the industry globally. There appears to be a dearth of skilled personnel, even at a junior/entry level.

"As such, trainings are in high demand to upskill not only personnel within the industry but also to provide the necessary training for more experienced individuals desiring to change their career path and enter the logistics and transport industry."

For instance, she cited efforts by the British International Freight Association (BIFA) to address staff shortages. "BIFA, in an effort to fill the gap, has created a Manpower Freight Development Pathway to support various industry partners to fill their manpower requirements by providing fundamental training to inexperienced individuals interested in joining the industry. As such, we continue to see a demand for the trainings be it virtual or face to face, as well for support to provide manpower to fill the industry need for skilled personnel."

Present conditions – namely a lack of staff and increasing demand for project logistics services – have presented gaps that constraints have been quick to advise on. For instance, said Krishnan: "On the back of these challenges, 4D has signed contracts with industry-leading clients to provide manpower provision to support with their logistics and transport as well as procurement needs. This helps to quickly fill a role for the client as it offers a 'plug and play' solution. And the agility also allows 4D to quickly move individuals around to support the clients globally.

"In addition, we have also signed a number of contracts with both universities and educational institutes globally who are keen to offer alternative learning methods to their students with much required input from industry experts.

"We are also seeing increasing demand for face-to-face training from industry partners and clients alike from various regions, including the USA, Africa and Asia."

**The demand for skilled personnel is still high. Filling positions for logistics-related roles still seems to be one of the biggest challenges in the industry, globally.**

*Vishni Krishnan, 4D Supply Chain Consulting*

# CREATING ALTERNATIVES FOR PROJECT CARGO MOVES

REGIONAL REPORT CASPIAN STATES

REGIONAL REPORT CASPIAN STATES

## Creating alternatives for project cargo moves

The rugged terrain and infrastructure limitations of Central Asia present unique challenges for heavy and outsize goods transportation serving the area's project needs – and the geopolitical tensions currently affecting the region are adding a further layer of complexity, writes *Megan Ramsay*.

“Cargo moving overland to the Caspian has to pass via mountainous routes, sometimes including serpentine roads. Some countries have very low permitted axle loads – for example, in Georgia it is 9 tonnes per axle and in Turkmenistan in some places only 6 tonnes per axle,” said Colin Charcock, CEO of Trans Global Project Group. However, there are ongoing road and

tunnel construction projects through the mountainous regions of Georgia and Azerbaijan to increase options for transporting over-dimensional cargo to the Caspian. One example is a new 17 km road from the Kakheti region of Georgia to the country's border with Azerbaijan, a USD35 million project funded by a loan from the Asian Development Bank (ADB). Construction of the two-lane asphalt road and six bridges began in September

2022. *AmNews* said the route will connect the Tbilisi-Bakurakhe-Lagodkhi international road from the side of the Alazani Valley with the internal roads of Azerbaijan. Different challenges have arisen in recent times, though. “Covid-19 and the Russia-Ukraine conflict were the perfect storm,” said Peter Eberhorn, Blue Water Shipping regional director Middle East and Central Asia. There were difficulties at the border

Gabehink Logistics contracted Manpower to assist with the transportation of heavy loads for the construction of a new power plant in the city of Shym.



# NEW OFFSHORE WIND FARMS BUOY SECTOR



Tunnel boring machinery brought into the port of Norfolk, and discharged in Woodbridge, Virginia, by Stevens Towing.

## New offshore wind farms buoy sector

In the past 12 months the tugs and towage sector has received a fillip by way of offshore wind farm growth plus a ramp-up of oil and gas exploration and production, despite the clamour to move away from fossil fuels. *Ian Cochran* discusses.

The 800 MW Vineyard Wind 1 (VW1) is the US's first commercial scale offshore wind energy development and will feature 13 MW Haliado-X turbines from GE. Located off Martha's Vineyard in Massachusetts, DEME Offshore US has been busy installing the 3,300-tonne offshore substation using the heavy lift vessel Orion. It will also be responsible for the installation of monopile foundations, transition pieces, offshore substation and scour protection for the wind turbine foundations, as well as the offshore substation foundation and platform. One of the key beneficiaries has been the port of New Bedford, which will house an

operation and terminal logistics facility base to support offshore wind projects off Massachusetts and the North American northeastern coast seaboard in general. It is currently being redeveloped with work including the construction of the New

**We have activated about one third of the yard [New Bedford Foss Marine Terminal] providing shore-based services for the VW1 offshore construction activities.**

—Andrew Saunders, CSF

### INDUSTRY FOCUS TUGS & TOWAGE

#### Bedford Foss Marine Terminal

Once built, the terminal will provide storage and laydown yards for equipment and materials for shipment to the site offshore, berth facilities for tug and barge operations, and host crew transfer vessel (CTV) and service operation vessel (SOV) support services.

Seattle-based Foss Maritime, part of the Salduk Marine Group, has partnered with key local investors utilising New Bedford's Cannon Street Holdings (CSH) to develop the 30 acre (12.1 ha) site. Andrew Saunders, CSF's local commercial offshore marine industry attorney, has been appointed New Bedford Foss Marine Terminal president. The new company also comes under the banner of the Salduk Group.

"We have activated about one third of the yard providing shore-based services for the VW1 offshore construction activities. Currently we have activated a load-out berth and berthing for Foss' tugs working on the wind turbine generator scope of work," Saunders said.

He explained that the harbour development will be virtually complete by the second quarter of 2024, but will remain an ongoing concept as more projects develop along the coast. Dredging will start this September and will be completed by January of next year. Equipment for VW1 will be pre-assembled in Canada and positioned on barges at New Bedford before being towed out to the site.

#### Cabotage restrictions

The USA's offshore wind energy industry has been hamstrung for years by Jones Act cabotage regulations. There are no US-flagged installation vessels capable of handling the massive components required at such projects (although the first is under construction), and foreign-flagged ships cannot sail from port to site without violating the Jones Act.

To circumvent this quandary, DEME developed a Jones Act-compliant feeder barge solution, having signed long-term agreements with the Netherlands-based Barge Master and Foss Maritime. Barges will travel from US ports to DEME's (foreign-flag) offshore installation vessels positioned offshore, with Barge Master's motion compensation technology ensuring safe lifting operations aboard – even for very large components.

This concept uses patented technology whereby control systems and cylinders support the platform and actively compensate the barge's motions. Wind turbine components are fastened to the

# OUT WITH THE OLD AND IN WITH THE NEW – SARENS TECHNICAL SOLUTIONS & ENGINEERING TEAM REPLACE PIPE CROSSING AT TATA STEEL

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15 Sep 2023

## Out With the Old and In With the New – Sarens Technical Solutions & Engineering Team Replace Pipe Crossing at Tata Steel

Topics: AC500, AMC NV, Unimove, LTM1000, pipe crossing, Pipe Rack, Sarens Technical Solutions and Engineering, Tata Steel, The Netherlands

The Sarens Technical Solutions & Engineering team is proud to have helped client AMC NV exchange a pipe crossing for Tata Steel's IJmuiden works in the Netherlands. At this site, approximately 7.5 million tonnes of hot and cold rolled coil is produced each year.

Here, Sarens was entrusted with a project that would require a special in-house designed and engineered solution, namely a lifting tool/frame capable of moving a pipe crossing out of and into the pipe rack. To successfully implement this objective, Sarens deployed two AC500s and one LTM1650 main boom crane. The equipment was delivered via trailer from Sarens NL and assembled within a day at the Tata site.



# SARENS SIGN WITH SCATEC FOR OFFLOADING AND INSTALLATION OF 456 BATTERY ENERGY STORAGE SYSTEM UNITS IN SOUTH AFRICA

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18 Sep 2023

## Sarens Sign with Scatec for Offloading and Installation of 456 Battery Energy Storage System Units in South Africa

Topics: hybrid solar farm, Kenhardt, Medium Voltage Power Station, offloading and installation, Renewables, Sarens, Scatec, South Africa

In March 2023, the Sarens team in South Africa signed a contract with their trusted client Scatec for the offloading and installation of 456 BESS (Battery Energy Storage System) units and 90 Medium Voltage Power Station (MVPS) units within the battery storage area for a hybrid solar farm in Kenhardt, South Africa. The project is one of the first Risk Mitigation IPP procurement programmes (RMIPPPP) in execution phase.

"We are thrilled to be at the forefront of this operation as it opens our horizons in the renewables sector. Solar (I think

'Renewables' is a better word?) is a sector that can bring immense changes for the best on our planet, and we are dedicated to helping it grow with whatever we can do as referenced heavy lifting and engineered transport solutions and service provider globally", stated Tim Blesemans.

The project is expected to be completed by the end of 2023 and will supplement the power grid of the country with 540MW of installed capacity.



The signing ceremony was held in Cape Town. Sarens was represented by Hendrik Sarens, Director, Tim Blesemans, Regional Director of Southern Africa and Christo van der Merwe, Depot Manager - Renewables & Special Projects.

### Featured Ritle photograph

Scatec Battery Energy Storage unit (courtesy of Scatec)

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# SARENS IN CANADA

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19 Sep 2023

## Sarens in Canada

Topics: Ayr, Ontario; Cambridge, Ontario; Hamilton, Ontario; Leduc, Alberta, L5 7S5; Saskatoon, Canada; Surrey, Ontario; Toronto, Ontario; Vancouver, BC; Wind Projects

For over a decade, Sarens has been expanding its presence across Canada, starting with the acquisition of Canada Crane in 2011 and continuing with the subsequent rebrand to Sarens Canada Inc. in 2014. Since then, Sarens Canada has proudly participated in several landmark projects, including:

- Multiple wind turbine projects across Canada,
- New petrochemical and oil plant construction,
- Plant expansion and maintenance projects,
- Multiple refinery shutdowns.

Today, Sarens Canada boasts branches across the country and serves a variety of sectors, especially wind energy, oil & gas, and civil infrastructure. Clients trust Sarens Canada for complex project engineering as well as daily equipment rental from its well-established fleet.

With its state-of-the-art shop and offices in Leduc, Alberta, Sarens is strategically positioned to support northern Alberta in Fort McMurray, Grande Prairie, and other sites; a vast number of wind turbine projects in southern Alberta; and clients across Saskatchewan and Manitoba. Continually opening new branches, Sarens has also expanded its reach across British Columbia and Ontario:

- Ayr, Ontario - Opened in 2018,
- Vancouver, BC - Opened in 2019 to serve the greater Vancouver area and beyond.



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# Technip signs MoU with wind partners

**T**echnip Energies has signed a memorandum of understanding (MoU) with yard infrastructure provider Young Chang Heavy Industry and heavy lift specialist Sarens to collaborate on floating offshore wind energy projects off South Korea.

The cooperation covers floating wind turbine marshalling and integration

services, using Young Chang's Shinan yard and Sarens' capabilities in heavy lifting and engineered transport. The Shinan yard covers around 330,000 sq m and has a 310 m quay wall.

Willy Gauttier, vice president floating offshore wind for Technip Energies, said: "We are pleased to join forces with Young Chang and Sarens for our

floating wind projects in South Korea. The complementary nature of the three parties will enable us to offer our customers the possibility of integrating turbines on our floaters at Young Chang's Shinan yard."



# SARENS, HERBOSCH-KIERE AND DE MEYER JOIN TO REMOVE THE DAMAGED HUMBEEK BRIDGE – GALLERY

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21 Sep 2023

## Sarens, Herbosch-Kiere and De Meyer Join to Remove the Damaged Humbek Bridge – Gallery

Topic: De Meyer NV, Herbosch-Kiere, Humbek Bridge, Josef-Rosa, Sarens, Sarens Technical Solutions & Engineering, Zeekanaal

Together with Sarens and De Meyer NV, Herbosch-Kiere acted swiftly to remove the bridge over the Zeekanaal in Humbek after a barge collided with the bridge on 29 June. The bridge deck moved 4m and the structure of the bridge was also hit. The dimensions of the bridge are:

- Length 40m
- Width 16m
- Weight 140t

Sarens Technical Solutions & Engineering worked over the weekend to prepare their barge Josef-Rosa and sail it from Ghent to Willebroek for preparations. This particular barge was chosen because it needed to pass a 19,5m wide bridge in Willebroek, and it measured only 19m wide.



# SARENS COMPLETES FIRST TCI WIND ENERGY PROJECT FOR CLEAN MAX ENVIRO ENERGY SOLUTIONS IN INDIA

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22 Sep 2023

## Sarens Completes First TCI Wind Energy Project for Clean Max Enviro Energy Solutions in India

Topics: Babra, Clean Max Enviro Energy Solutions, China, EN3.3MW, Gujarat, India, Installation, Sarens, transport

Sarens announced its complete TCI (Transport, crane, and Installation) package for the Indian market in 2022 and in May this year they have successfully completed the first TCI project in India for their client Clean Max Enviro Energy Solutions Pvt Ltd in Babra, India.

As part of the project the team had to lift sixteen EN3.3MW 140mHH WTGs from the factory to site storage yard, unload them at the storage yard, transport to the site location, unload, and finally erect the WTGs.

The challenging project required precise planning and powerful equipment to provide a specialized TCI service package to the client.

A Sany 800A with HJFDB\_5 : 150 Main boom +12m Fly jib configuration was selected as the main crane as it can easily lift critical weight safely. Its high efficiency and ease of assembly made it the ideal crane for the project.

The equipment was taken to the site from Gujarat and assembled in approximately two days. According to the Sarens Associate VP Wind, Saravanan K, "The team faced various obstacles and challenges during WTG logistics but our operation experts handled it with proper risk assessment and mitigation plan."

The WTG components including tower shell, nacelle, hub, and blades were transported and erected. The nacelle weighing 90t was lifted at a height of 140m. More than 40 personnel were involved in the transportation phase, around 7 personnel for off-loading, and 14 personnel for lifting and installation, working day and night.

# HUGE WIND ENERGY SECTOR TRANSPORT PROJECT FOR SARENS FROM CHINESE BORDER TO UZBEKISTAN VIA KAZAKHSTAN

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20 Sep 2022

## Huge Wind Energy Sector Transport Project for Sarens from Chinese Border to Uzbekistan via Kazakhstan

Topics: 1GW wind power project, ACWA Power, Bukhara, Faymonville MultiMAX, Faymonville TeleMAX, Mercedes Benz Arocs, Sarens, Uzbekistan

Sarens was asked by their client to provide the transport of wind turbine generator (WTG) elements for ACWA Power's 1GW wind power project in Bukhara, Uzbekistan. The sections have to be transported from the border of China to Bukhara region in Uzbekistan via Kazakhstan.

158 sets of WTGs sections, four transformers, and special lifting tools have to be delivered within 18 months via a challenging terrain en route. Each WTG set contains:

- Four tower sections with a maximum weight of 96t
- Three blade sections of 29t each
- One hub section weighing 44t
- One nacelle section weighing 129t

To rise to the challenge, Sarens worked out the transport plan in detail. Given the magnitude of the project, new fleet items were recruited. We invested in state-of-the-art technology, opting wherever possible for the greenest technology available.

- 25 Faymonville TeleMAX for blades
- 32 Faymonville MultiMAX trailers for towers S2, S3 and S4
- 11 Faymonville MultiMAX trailers with cranked axes for S1 tower
- 32 Mercedes Benz Arocs 3358LS 6+4 trucks with latest EURO-VI emission technology

All trailers and trucks were delivered from Europe to Almaty, Kazakhstan, via road, sea, and railway in a

# SARENS INSTALL ROAD BRIDGE OVER RAILWAY IN LUXEMBOURG

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25 Sep 2023

## Sarens Install Road Bridge over Railway in Luxembourg

Topic: 32 SPMT axle lines, Bridge installation, CS250 climbing system, LR11000 crawler crane, Luxembourg, overhead power lines, railway, Schieren, Techno Métal Industrie

When client Techno Métal Industrie needed to perform a complex new bridge installation over the railway in Schieren, Luxembourg, they turned to Sarens for equipment and expertise.

The main challenge the team faced was that the 700t bridge would have to be installed over the railroad during a closure, but without ever entering the railway area. Furthermore, no rails or overhead power lines could be removed, which meant that every piece of equipment had to be transported and lifted from the sides of the railway.

To perform this challenging lift, Sarens used 32 SPMT axle lines and the Sarens CS250 climbing system on one side of the railway, and an LR11000 crawler crane and CS250 system on the other side.

The LR11000 was configured with a 66m main boom and 430t superlift. It took five days to build and was on-site for less than two weeks, including assembly and disassembly. One of the challenges the crew faced was assembling it on a very small footprint close to a downward slope.

With the equipment in place, the operation could begin.

To offload and transport the bridge, the crew first used two SPMTs to bring the bridge within range of the LR11000. 25% of the weight was then transferred to the crane, one set of SPMTs was removed, and the bridge was driven closer to the crane. Next, the SPMT was repositioned so that both the crane and SPMT had 50% of the weight. This enabled the bridge to be moved even closer to the crane, towards its final location. When in position, the bridge was set down onto the CS250 climbing system and jacked down to the correct height. This final step was achieved over two weekends.

To lift the bridge, the crew started with 177t at 53,5m, booming up to 36,5m, where the load in the hook was increased to 352t at 36,5m by repositioning the SPMTs. Finally, the crane crawled backwards

# SARENS COMPLETES 41 HEAVY LIFTS IN CHALLENGING CONDITIONS

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12 Oct 2023

## Sarens Completes 41 Heavy Lifts in Challenging Conditions

Topics: Adana, Gemont Endüstri Tesisleri İmalat ve Montaj A.Ş., HeavyLiftNews, oxidation reactor, rectification column, Sarens, SASAPolyester San. Tic. A.Ş., silo, Turkey

Sarens crew and equipment were on-site for heavy lifting work in Adana, Turkey, last year. The operation, which was performed on behalf of client Gemont Endüstri Tesisleri İmalat ve Montaj A.Ş. and project owner SASAPolyester San. Tic. A.Ş., called for the following equipment:

- CC8800-1 with boom booster
- LR1750
- CC2400-1
- Small mobile cranes
- Special spreaders

Because the project site was not suitable for cranes larger than the CC8800, Sarens devised an engineering solution using the CC8800-1 with a boom booster.

In total, Sarens lifted 41 heavy units, including

- a 700t, 22m oxidation reactor,
- a 700t, 52m rectification column,
- and five 350t, 52m silos.

To install each silo, the CC8800-1 crawled about 100m, then lifted in tandem with the LR1750.

The equipment arrived from Germany within 8 days, although customs clearance took another 26 days.

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# SARENS ON MAŽEIKIAI OIL REFINERY UPGRADE PROJECT

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13 Oct 2023

## Sarens on Mažeikiai Oil Refinery Upgrade Project

Topics: ATF 400G-6, HeavyLiftNews, Lithuania, LTF 1045, LTM 1055, LTM 1060, LTM 1090, LTM 1500-8.1, Mažeikiai oil refinery, reconstruction, Sarens, Terex AC 100/4L, Upgrade

Sarens in Lithuania is performing one of its most prestigious projects of the reconstruction and upgrade of the Mažeikiai Oil Refinery in Mažeikiai, Lithuania.

The upgrade of the Mažeikiai Oil Refinery will help Lithuania embark on its ambitious endeavor to redefine energy independence, spur economic growth, and pave the way for innovation in the region. The country aims to enhance its refining capabilities by overhauling and modernising the refinery, reducing its reliance on foreign sources. This strategic move secures energy supplies for the future and empowers Lithuania to become a self-reliant energy powerhouse in the region. The project is also designed to focus intensely on sustainability, adhering to the latest environmental standards. With cutting-edge technologies and a focus on eco-friendly practices, the project sets the stage for a prosperous and innovative future.

Sarens will be deploying nine key equipment to perform the heavy lifts at the refinery upgrade project. The LTM 1500-8.1 and ATF-400G-6 performed the first set of lifts in September 2023 to install engineering devices. Working in tandem, both cranes can handle over 100t of load smoothly.

Three LTM 1060 - 3.1, one LTM 1055, and one LTF 1045, are on the site assembling sections for new engineering structures at the reconstruction project site. Mobility and long booms of LTM 1060 - 3.1, LTM 1055, and LTF 1045 make them the perfect choice for metal construction installation. Meanwhile, the versatile Terex AC 100/4L and LTM 1090 helped unload structures and equipment at the project's



# RWE, SARENS AND TUGDOCK INVESTIGATE METHODOLOGY OF LAUNCHING STEEL AND CONCRETE FLOATING FOUNDATIONS TO IDENTIFY SUPPLY CHAIN OPPORTUNITIES

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4 Oct 2023  
**RWE, Sarens and Tugdock investigate methodology of launching steel and concrete floating foundations to identify supply chain opportunities**

Topics: Associated British Ports, Floating wind, local supply chain opportunities, Port Talbot, quayside launch, quayside offload, RWE, Sarens, Tugdock

RWE, Wales' largest renewable energy generator, has funded a study to investigate the quayside offload and launch of two types of floating offshore wind platforms – one steel and one concrete – alongside the integration of next generation wind turbine generators onto these platforms.

The aim of the study is to maximise local supply chain opportunities by utilising local port infrastructure such as that at Port Talbot and Milford Haven (two of Wales' deepest ports).

The study will consider the use of this innovative solution at the Port Talbot facility in South Wales, run by Associated British Ports. This is being upgraded to facilitate manufacturing, assembly, and integration of floating offshore wind turbines. The study outcomes will build on previous studies including one undertaken using the Port Of Milford Haven Marine Simulator. The resulting information will inform activities at other suitable ports in the region, such as the Port of Pembroke, owned and managed by Port of Milford Haven Authority.

The study will investigate using Sarens' established crane and barge technology alongside Tugdock's innovative submersible platform utilising a hybrid of both approaches.

These technical solutions will look to address the logistical challenges ports will face in order to accommodate commercial-scale floating offshore wind deployment. A variety of land and marine equipment will be considered to manoeuvre structures into the water offering novel solutions to the

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20 Sep 2023

## Sarens Commissioned to Lift Swiss Krono Green Energy Project Smoke Stack by Vyncke Clean Energy Technology

Topics: France, Green Energy project, HeavyLiftNews, renewable biomass sources, Sully Sur Loire, Swiss Krono, Vyncke Clean Energy Technology

The Green Energy project at Swiss Krono aims to transform the Sully Sur Loire site and replace around 90% gas consumption with renewable biomass sources. Swiss Krono specialises in the production of construction materials and other wood products. Swiss Krono Company recruited our client Vyncke Clean Energy Technology to replace the old equipment and install the new boiler at their green energy project in Sully sur Loire, France.

In a short rental project, Sarens was commissioned to lift



# SARENS COMPLETES INSTALLATION OF STORM TRAP FOR ROAD IN BURLINGTON

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DCN-JOC News Services · October 3, 2023



SARENS — Sarens has participated in the installation of a storm trap on the North Service Road in Burlington, Ont., where it has been able to provide its crane to the construction team for the lifting and placement of each of the modules.

**B URLINGTON, ONT. — Sarens, which specializes in crane rental, heavy lift and engineered transportation services, participated in the installation of a storm trap for the North Service Road in Burlington, Ont. to facilitate control over water levels during heavy rains.**

Sarens was able to provide its crane to the construction team for the lifting and placement of each of the modules of which the stormwater storage gallery consisted of.

Storm traps are stormwater infiltration and detention systems. These huge subway tanks also have an extremely important function: they store the first rainwater, which is the most polluting because it carries all the dirt accumulated on the streets and asphalt and regulates its flow to the treatment plants, states a release.

The tanks prevent the treatment plants from exceeding their maximum flow and having to discharge the excess, untreated, into the receiving watercourses.

Due to weather conditions and the rainfall last August, Valentine Underground Services sought Sarens' help to complete the project in the shortest possible time. The installation of the modules that make up the tank was completed in a period of three days so that the rainwater that fell could be filtered through the culverts and properly stored in the tanks until the rainfall ended.

The work was carried out by a team specially selected by Sarens, with an LTM 1070 crane and one operator. The team was able to place approximately 30 pieces weighing 7000

# CRANE RENTAL SERVICE INDUSTRY RESEARCH REPORT

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The Crane Rental Service market report follows a trail of methodological research and structured methodology that is proprietary. These methods help our researchers grab helpful insight in every aspect of research and analysis. On a general note, the research is derived from vendors, product lists,

# UK'S ONSHORE WIND SECTOR EXPERIENCES STRONG GROWTH, REACHING 14GW MARK

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## UK's Onshore Wind Sector Experiences Strong Growth, Reaching 14GW Mark



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PUBLISHED OCT 3, 2023 3:07 PM BY THE MARITIME EXECUTIVE

(By Sarens)

The United Kingdom aims to generate 50% of its electricity from renewable sources by 2030 and reduce its greenhouse gas emissions by 68% compared to 1990 levels. Planned onshore wind farm installations in the UK could generate up to 31,000 direct and indirect jobs by 2035.

To date, the UK has installed more than 14 GW of onshore wind power and has a pipeline of planned projects totaling 25 GW. These figures demonstrate the great progress the country is making in the construction of onshore wind power plants, which will help to achieve the net zero target by 2035.

In this context, Sarens, global specialist in heavy lifting, engineered transport and crane rental, is positioning itself as the leading company in the construction and maintenance of onshore wind farms. With state-of-the-art equipment, value engineering and one of the world's largest inventories of cranes, conveyors and special rigging equipment, the company is able to meet any challenge, offering creative and intelligent solutions in the construction of onshore wind power plants.

Its extensive experience in the field endorses Sarens as a reference in maintenance and development of onshore wind power plants. The Belgian company has extensive international experience in the development and maintenance of projects related to wind energy, such as the one developed in Sweden in the Markbygden wind farm, in the project for Navarra in El Somer or even South Africa in the Kudu and Soekwader plants. The most recent of all is La Huchelle, where Sarens has transported parts of up to 980T and 62 modules to the St Nazaire wind farm.

# MATERIAL HANDLING EQUIPMENT RENTAL MARKET RESEARCH REPORT, GROWTH FORECAST 2030

## Material Handling Equipment Rental Market Research Report, Growth Forecast 2030

By Evelyn Moore / 1 October 2023



Material Handling Equipment Rental Market Research report provides the details about Industry Chain structure, Market Competition, Market Size and Share, SWOT Analysis, Technology, Cost, Raw Materials, Consumer Preference, Development and Trends, Regional Forecast, Company and Profile and Product and Service.

The Global [Material Handling Equipment Rental market](#) report combines comprehensive analysis of overseas markets with new insights into the target industry. Market size, driving forces and vulnerabilities, major players, segment overview and geographical perspective are among the variables addressed in the study. It also contains data on the business environment, value / volume results, marketing tactics and expert knowledge. The research also examines the importance of fields and evidence for prediction, as well as their various aspects. The report also includes company profiles, specifications, product photos, capacity, price, costs, revenue, growth and contact information for global key industry players in the global Material Handling Equipment Rental market.

# NEW STUDY COULD HOLD THE QUAY TO RWE'S CELTIC FLOATING AMBITIONS

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## New study could hold the quay to RWE's Celtic floating ambitions



04/10/2023, 5:41 pm **By Andrew Dykas**



RWE will work with engineering specialists Sarens and Tugdock to evaluate how to launch floating wind foundations.

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Generator RWE has launched a new study in tandem with the supply chain to explore how best to manoeuvre and launch floating wind foundations.

Announced during the [Floating Offshore Wind conference](#) in Aberdeen on Wednesday, the study will focus on how two types of floating platforms – one steel and one concrete – can be mobilised using various supply chain technologies.

As well as how to offload and launch structures from quaysides, it will also consider how to integrate next-generation wind turbines onto foundations using equipment from Sarens and Tugdock, who will deploy their crane and barge technology and submersible platforms, respectively.

# OIL & GAS INDUSTRY FINDS STRONG GROWTH PROSPECTS IN US

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## Oil & gas industry finds strong growth prospects in US

Published by Isabel Stagg, Editor's Assistant  
World Pipelines, Wednesday, 04 October 2023 13:00

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Thanks to the latest technological advances and the development of new reserves, the country's natural gas resources and reserves are at their peak, increasing from 3.6% in 2020 to the current 3978 billion ft<sup>3</sup>.



Therefore, and considering the observed trends, a reliable and solid future national gas supply is foreseen based on the increase in production, processing and storage to meet the existing demand.

Faced with this scenario, Sarens' work as a driver of the energy industry is noteworthy. With its expertise in oil and gas plant construction projects, Sarens continues to play an important role in achieving complete energy autonomy in the country.

Following the opening of its facilities in Coahoma, Texas, located in an oil-rich area, the company is supporting the oil and gas industry, as well as other projects more focused on the development of wind energy.

In this regard, having already recovered 57 000 jobs from the 33 000 lost in 2020 during the pandemic - 35% of the sector's total - according to data from the Gulf Coast Energy Outlook 2023, prepared by Louisiana State University, the oil and gas industry in Texas continues to grow and drive the regional economy.

This is attested to by the number of active projects in the state of Texas, with more than 540 000 oil wells and more than 35 000 gas wells, according to data from the Railroad Commission of Texas.

Sarens' international experience in the creation of new infrastructures in the region, as well as in the corrective and predictive maintenance of existing ones, means a boost for the number of active projects throughout the state of Texas and, therefore, for job creation.

Both the government and public administrations, as well as private construction companies, require Sarens' support in choosing the machinery for each project, as well as in carrying out the logistical operations of transporting the materials and infrastructure necessary to carry out these tasks.

The Texas facility provides Sarens with the strategic advantage in offering complete heavy lift, transportation and engineering support solutions for large projects. The industry is now looking to invest millions of dollars in the development of oil drilling and gas liquefaction facilities while expanding existing facilities and Sarens is poised to be part of this expansion process, says Robert Martinez, Sarens VP of Sales.

At a time when the industry has high growth prospects, Sarens reaffirms its commitment to the development of oil and gas production and processing in Texas in particular and in the US in general. In the same way, the company also puts its focus on other wind energy projects that are also being developed in the region, and in which it also has a great deal of experience in many countries. With around 17 000 wind turbines in operation, Texas is the state with the highest penetration of this type of energy generation.



# SARENS COMPLETES FIRST TCI JOB IN INDIA FOR CLEAN MAX

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## Sarens completes first TCI job in India for Clean Max

Published on 22-09-2023 at 08:31

Photo: © Sarens

Heavy lifting and engineered transport specialist, Sarens, has recently completed its first transport, crane and installation (TCI) job in India. Clean Max Enviro Energy Solutions in Babra, India was the first client to book Sarens' TCI package since the latter launched it in 2022 for the Indian market.



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As part of the project, the team had to lift sixteen EN3.3MW 140mHH WTGs from the factory to the site storage yard, unload them at the storage yard, transport them to the site location, unload, and finally erect the WTGs.

The challenging project required precise planning and powerful equipment to provide a specialized TCI service package to the client.

Sany 800A was selected as the main crane as it can easily lift critical weight safely. Its high efficiency and ease of assembly made it the ideal crane for the project.

The equipment was taken to the site from Gujarat and assembled in approximately two days. According to the Sarens Associate VP Wind, **Baravanan K**, "The team faced various obstacles and challenges during WTG logistics but our operation experts handled it with proper risk assessment and mitigation plan."

The WTG components including the tower shell, nacelle, hub, and blades were transported and erected. The nacelle weighing 90T was lifted at a height of 140 meters. More than 40 personnel were involved in the transportation phase, around seven personnel for off-loading, and fourteen personnel for lifting and installation, working day and night.

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# ONSHORE WIND IN THE UK EXPERIENCES STRONG GROWTH REACHING AN INSTALLED TOTAL OF 14 GW



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wind

## Onshore wind in the UK experiences strong growth reaching an installed total of 14 GW

Wednesday, 04 October 2023



[Robin Whitlock](#)

The UK is aiming to generate 50 percent of its electricity from renewable energy by 2030 and there is a planned onshore wind pipeline in the country totalling 23 GW.



Courtesy of Sarens.

Thus far, the UK has installed more than 14 GW of onshore wind. The development of onshore wind farms in the country will generate more jobs, especially in rural and disadvantaged areas.

According to a study by RenewableUK, the planned installations could generate up to 31,000 direct and indirect jobs by 2035.

Onshore wind is also one of the cheapest ways to generate electricity and so can lower consumers electricity bills. According to one government estimate, the levelised cost of onshore wind could be around £40/MWh by 2025, which would make it cheaper than gas and nuclear.

To achieve these ambitious targets and enjoy the benefits, by 2030 the UK would need to build at least 25 GW of onshore wind power. This implies that an installation rate of around 2 GW per year would be required. In the second quarter of 2023, a record 1.5 GW of power was planned at just 18

sites, again suggesting a significant increase in onshore wind power in the future.

Currently, 84 sites are in the pre-application phase, and are expected to submit a full application for a total of 7.1 GW in the next few years. In turn, there are 95 sites with 6.1 GW currently in the planning phase and awaiting approval. Finally, planning permits have been granted for 6.1 GW at 352 sites, with construction likely to begin in the next few years.

The average time for completion of a large-scale wind farm from submission to planning is about five years. Projects submitted in 2019 are expected to be built in the near future, assuming political and environmental factors are conducive to full construction.

Sarens, global specialist in heavy lifting, engineered transport and crane rental, is currently trying to position itself as a leading company in the construction and maintenance of onshore wind farms. It has extensive experience in the UK, with state-of-the-art equipment, and also has extensive international experience in the development and maintenance of projects related to wind energy, such as the one developed in Sweden in the Märkygden wind farm, in the project for Nawank in St-Brieuc, or even South Africa in the Katana and Soetwater plants. The most recent of all in La Rochelle, where Sarens has transported parts of up to 980t and 62 metres to the St-Nazaire wind farm.

For additional information:

[Sarens](#)

hydrogen



# NEW STUDY WILL LOOK AT WAYS TO LAUNCH FLOATING WIND TURBINES FROM PORTS IN PORT TALBOT AND MILFORD HAVEN

**ENERGY**

## New study will look at ways to launch floating wind turbines from ports in Port Talbot and Milford Haven

RWE, Wales' largest renewable energy generator, has funded a study to investigate the quayside offload and launch of two types of floating offshore wind platforms – one steel and one concrete – alongside the integration of next generation wind turbine generators onto these platforms.

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 Published 2 weeks ago on 30h October 2023  
 By [Editor](#)



The company says its aim is to maximise local supply chain opportunities by utilising local port infrastructure such as that at Port Talbot and Milford Haven – two of Wales' deepest ports.

The study will consider the use of this innovative solution at the Port Talbot facility in South Wales, run by Associated British Ports. This is being upgraded to facilitate manufacturing, assembly, and integration of floating offshore wind turbines.

The study outcomes will build on previous studies including one undertaken using the Port Of Milford Haven Marine Simulator. The resulting information will inform activities at other suitable ports in the region, such as the Port of Penrhyolte, owned and managed by Port of Milford Haven Authority.

The study will investigate using Sarens' established crane and barge technology alongside Tugdock's submersible platform utilising a hybrid of both approaches.



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# RWE FUNDS STUDY INTO FLOATING OFFSHORE WIND SOLUTIONS



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## RWE funds study into floating offshore wind solutions

Published on 09-10-2023 at 10:38

Photo: © RWE

RWE has formed a partnership with Sarens and Tugdock to study their floating offshore wind solutions and their use at Port Talbot and Milford Haven. RWE said it has funded a study to investigate the quayside offload and launch of two types of floating offshore wind platforms – one steel and one concrete – alongside the integration of next-generation wind turbine generators onto these platforms.



The Port Talbot facility in South Wales, run by Associated British Ports, is currently being upgraded to facilitate manufacturing, assembly, and integration of floating offshore wind turbines. The study outcomes will build on previous studies including one undertaken using the Port Of Milford Haven Marine Simulator. The resulting information will inform activities at other suitable ports in the region, such as the Port of Pembroke, owned and managed by Port of Milford Haven Authority.

The study will investigate using Sarens' established crane and barge technology alongside Tugdock's innovative submersible platform utilising a hybrid of both approaches. Tugdock's technology combines a steel frame and patented air lift bags to act either as additional buoyancy or as a submersible platform for lifting or launching heavy marine structures. With an effective load capacity of up to 25,000 tonnes and a modular design, the technology can be easily transported by road and is well-placed to support the deployment of commercial-scale floating wind.

These technical solutions will look to address the logistical challenges ports will face in order to accommodate commercial-scale floating offshore wind deployment. A variety of land and marine equipment will be considered to manoeuvre structures into the water offering novel solutions to the fast-growing floating offshore wind industry.

RWE is now pursuing the Crown Estate's UK Round 5 seabed auction to secure at least 1 gigawatt of floating offshore wind in the Celtic Sea – an area bordered by the coasts of South Wales, South West England and South East Ireland.

The Celtic Sea has some of the best wind resources in Europe and is a key focus for the Crown Estate in the development of new floating offshore wind capacity. RWE is currently investigating various floating wind technologies and their potential impact across the world. To enable the most appropriate means of construction to be chosen across the

# TUGDOCK TECHNOLOGY GETS FURTHER BOOST WITH RWE STUDY

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SECTORS

## Tugdock technology gets further boost with RWE study

By Sagha Bamas | 6 October 2022



Germany-headquartered energy company RWE has funded a study to investigate the quayside offload and launch of two types of floating offshore wind platforms – one steel and one concrete – in collaboration with Sarens and Tugdock.



The study will consider the use of Sarens' established crane and barge technology alongside Tugdock's submersible platform, utilising a hybrid of both approaches. The aim is to maximise local supply chain opportunities by utilising local port infrastructure such as that at Port Talbot and Milford Haven – two of Wales' deepest ports.

The study will consider the use of this solution at the Port Talbot facility in South Wales, run by Associated British Ports (ABP). This is being upgraded to facilitate manufacturing, assembly and integration of floating offshore wind turbines. The study outcomes will build on previous studies including one undertaken using the port of Milford Haven Marine Simulator. The resulting information will inform activities at other suitable ports in the region, such as the port of Pembroke, which is owned and managed by the Port of Milford Haven Authority.

These technical solutions will look to address the logistical challenges ports will face in order to accommodate commercial-scale floating offshore wind deployment. A variety of land and marine manoeuvre structures into the water.



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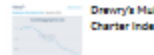
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# AVENTUS ENERGY, HORIZON OCEAN MANAGEMENT FORM JAPANESE OFFSHORE WIND PARTNERSHIP

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## Aventus Energy, Horizon Ocean Management Form Japanese Offshore Wind Partnership

OUTLOOK & STRATEGY

October 10, 2023, by Adnan Memija

UK-based Aventus Energy has partnered with Horizon Ocean Management (HOM) in support of Japan's growing offshore wind sector.

While HOM offers advisory, consultancy, and IMR services for the Japanese offshore wind sector, Aventus is said to bolster this partnership by providing a wide range of technical and engineering services such as inspection, repair, and maintenance for HOM's offshore wind initiatives.

*"Pairing with Aventus Energy, known for its technical expertise, allows us to further enhance our end-end solutions for Japan's offshore wind projects, promising both success and resilience,"* said **Nobuyuki Takagi**, Managing Director of HOM.

In August, Aventus Energy [entered into an agreement](#) with **Sarens** PSG under which the two companies will provide integrated port marshalling services to the offshore wind sector through a joint venture.

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# DESPITE AN EARTHQUAKE, WIND, AND RAIN, SARENS POWERS THROUGH 41 HEAVY LIFTS IN ADANA, TURKEY

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## Despite An Earthquake, Wind, And Rain, Sarens Powers Through 41 Heavy Lifts In Adana, Turkey

16 October 2023

 1 min read

With powerful equipment and expert crew, Sarens successfully lifts 41 heavy units into place



Sarens crew and equipment were on-site for heavy lifting work in Adana, Turkey, last year. The operation, which was performed on behalf of client Gemont Endüstri Tesisleri İmalat ve Montaj A.S. and project owner SASAPolyester San. Tic. A.S., called for the following equipment:

- CC2400-1
- Small mobile cranes
- Special spreaders
- CC8800-1 with boom booster
- LR1750

Because the project site was not suitable for cranes larger than the CC8800, Sarens devised an engineering solution using the CC8800-1 with a boom booster.

In total, Sarens lifted 41 heavy units, including a 700-tonne, 22-metre oxidation reactor, a 700-tonne, 52-metre rectification column, and five 350-tonne, 52-metre silos. To install each silo, the CC8800-1 crawled about 100 metres, then lifted in tandem with the LR1750.

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## Crane rental confidence survey 2023: Have your say

By Niamh Marriott | 11 October 2023

👁 1 min read

Tell us your opinions on the current state and future prospects of the crane rental industry

[Click here to complete the survey](#)

The annual *ICST* crane rental confidence survey provides a clear picture of the global crane rental market as well as helping to gauge what the future may bring. Giving your opinion and input helps ensure we are bringing you a range of viewpoints and data from the coalface of our industry.

We would be very grateful if you would take the time to complete the 2023 Rental Confidence survey by clicking the link above.

**DEADLINE: Friday 1 December 2023**



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Statsndata published a report on the process of collecting, analyzing and interpreting Material Handling Equipment Rental Market data. New published reports on companies to collect, analyze and interpret Material Handling Equipment Rental market data. This not only accelerates individual business growth but also contributes to the overall progress of entire service-industries Industry.

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# FEEDWATER HEATERS REPLACED BY SARENS AT OCONEE NUCLEAR POWER PLANT

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## 16 Oct 2023 Feedwater Heaters replaced by Sarens at Oconee Nuclear Power Plant

Topic: Duke Energy, feedwater heaters, HeavyLiftNews, Oconee Nuclear Plant, Sarens, South Carolina, USA

Sarens is steadily expanding its presence across North America, and are proud of recent projects completed across the continent including the recent lifting of two heaters at Duke Energy's Oconee Nuclear Plant in South Carolina, USA. This pivotal project involved replacing two feedwater heaters, with both the old and new heaters weighing 130,000lbs (58,97t).

As Sarens planned for the complex critical headroom consideration led to the decision and

# RWE, Sarens and Tugdock pioneer offshore wind platforms

18th October

TECHNOLOGY MILFORD HAVEN



A floating demonstration structure that Tetraspar has in Norway (Image: Tetraspar)

By Sarah-Jane Absalom  
Senior Reporter

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Research is continuing into the launch of what has been described as 'Eiffel-tower size structures off Milford Haven' thanks to the pioneering collaboration between RWE

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Western Telegraph

### Research continues into 'Eiffel-tower size' wind structures off Milford Haven



Sarah-Jane Absalom

Wed, 18 October 2023 at 3:05 pm GMT+5:30 · 3-min read

In this article:



Research is continuing into the launch of what has been described as 'Eiffel-tower size structures off Milford Haven' thanks to the pioneering collaboration between RWE, Sarens and Tugdock.

RWE, Wales' largest renewable energy generator, has funded a study to investigate the quayside offload and launch of two types of floating offshore wind platforms – one steel and one concrete – alongside the integration of next generation wind turbine generators onto these platforms.

Their aim is to maximise local supply chain opportunities by utilising local port infrastructure such as that at Port Talbot and Milford Haven, which are two of Wales' deepest ports.

The study will consider the use of this innovative solution at the Port Talbot facility in South Wales, run by Associated British Ports.

This is being upgraded to facilitate manufacturing, assembly, and integration of floating offshore wind turbines. The study outcomes will build on previous studies



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## BUILDING SWITZERLAND'S SECOND-LARGEST WIND FARM

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# Building Switzerland's second-largest wind farm

By Martin Clark | 16 October 2023

3 min read



Emil Egger's Liebherr LR 11000 begins to hoist a wind turbine rotor star. Photo: Liebherr

Switzerland's Emil Egger used two Liebherr crawlers to erect the country's second-largest wind farm, on the Jura mountains in the canton of Vaud, near the French border.

Work was completed in eight weeks using an LR 11000 and an LR 1700-1.0 and entailed the installation of six turbines standing almost 140 metres tall.

The turbines, manufactured by Enercon, are expected to produce 22 million kilowatt-hours of electricity annually, adding vital clean power to the Swiss national energy grid.

St. Gallen-based Emil Egger sent its two most powerful hoisting units to work in the hilly terrain, at an altitude of 1,200 metres.

Crane operator Peter Stricker equipped his machine with a 114 metre-long main boom to be able to handle the greatest assembling heights of around 100 metres.

"The heaviest load cases on this construction site occur during the lifts of the generators," he said. "Together with the hook block and slings, I have a gross weight of 71 tonnes hanging from my LR 11000."

With a gross weight of 65 tonnes, the 40 metre-long rotor blades were somewhat lighter. These were mounted to the hub on the ground to form complete blade stars, then lifted and installed. With a special device, these huge components could be swivelled into a vertical position during the lifting process.



# SARENS PROVIDE LOCAL HEAVY LIFTING EXPERTISE FROM GLOBAL LEADERSHIP

CRANES LIFTING



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## Sarens provide local heavy lifting expertise from global leadership



JACK ALFONSO  
October 5, 2023, 9:55 am



SPMTs in action during August on a Sydney project.

*In the world of heavy lifting and engineered transport, Sarens has established itself as a global leader. The company's success can be attributed to a combination of cutting-edge design tools, a massive inventory of cranes, transporters and specialist rigging equipment, and a team of highly qualified professionals.*

It is an exciting time for Sarens, locally and globally, with a strong team of experienced heavy lift professionals helping support its focus on strengthening its presence within the region.

Regional Manager for Oceania Isabella Burke stated "Sarens is making investments in its people and equipment within the region to ensure we can provide the best solutions for our clients. Our engineering and operational team's detailed planning and precise engineering calculations have allowed us to minimise risk and meet our clients' timelines in key civil and mining projects across Australia."

# SARENS CLAIMS AN INDUSTRY RECORD AT DUKE ENERGY'S OCONEE NUCLEAR STATION

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Sarens has recently completed a critical project at Duke Energy's Oconee Nuclear Station in South Carolina, USA. The project involved the replacement of two feedwater heaters, each weighing a staggering 130,000 pounds (58.8 tons).



The project was a significant undertaking that required careful planning and execution to ensure its success. To achieve this, Sarens designed and implemented a temporary lifting device that was used on-site. The temporary lifting device was created as a single failure-proof system with dual-path load-carrying capabilities. A hydraulic lifter was also designed to install the temporary lifting device, which lifted it 39 feet (around 12 metres), rotated it, and placed it on top of the gantry crane.

Transporting all equipment to the job site via six trucks, the crew took three days to install it. The lift was a critical operation that required personnel to work in close proximity to rigging activities. The single failure-proof system was necessary to ensure the safety of the crew and the success of the project.

**Read also:** [Sarens completes first TCI job in India for Clean Max](#)

The two new heaters were delivered to Sarens for offloading, and the crew lifted them vertically, downended them on the Sarens-provided runway, and transported them to the loading dock via an overhead crane. From the moment the feedwater heaters were disconnected to the moment they were in service again, it only took 12 days, which is an industry record, Sarens said.

Sarens is pleased to have been part of this milestone achievement and to help its clients replace these two vital nuclear station components. The project's success is a testament to Sarens' commitment to safety, engineering expertise, and dedication to delivering exceptional service to its clients.



# TUGDOCK SIGNS MOU WITH SALAMANDER OFFSHORE WIND FARM



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## Tugdock Signs MoU With Salamander Offshore Wind Farm

Business > Business News > Tugdock Signs MoU With Salamander Offshore Wind Farm

28 September 2023



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Tugdock has signed a Memorandum of Understanding with Salamander floating offshore wind farm to collaborate on innovation for floating offshore wind energy in Scotland.

Salamander Offshore Wind is a joint venture development project between Simply Blue Group, Orsted and Subsea7 and will be located offshore from Peterhead in North-East Scotland. Salamander Offshore Wind has signed an exclusivity agreement as part of Crown Estate Scotland's Innovation and Targeted Oil and Gas (INTOG) leasing round.

Tugdock is a fast-growing company based in Cornwall UK. The Tugdock technology consists of a modular road transportable space frame with the use of patented air lift bags that are filled and then vented using compressed air. By confining the air lift bags into a space frame configuration and deck arrangement, their product can be used as additional buoyancy modules or submersible platforms.

# TUGDOCK SIGNS SALAMANDER MOU

The header of the Heavy Lift website features the company logo on the left, which consists of a stylized orange arrow pointing up and to the right, followed by the text "HEAVY LIFT & PROJECT FORWARDING INTERNATIONAL". On the right side, there is a "REGISTER" link and a search bar with the placeholder text "Search our site". Below the logo and search bar is a dark navigation bar with white text for "HOME", "NEWS", "INSIGHTS", "DIGITAL EDITIONS", "AWARDS", "CONFERENCE", "ADVERTISE", "TRAINING", and "CAPPRO". Underneath the navigation bar, there are links for "TRENDS", "Offshore", "From the magazine", and "Training". A green banner below the navigation bar contains the logo for "Wallenius Wilhelmsen" and the text "Breakbulk packing guide: What you need to know" with a "LEARN MORE" button.

SECTORS

## Tugdock signs Salamander MoU

By David Kishor | 29 September 2017



Tugdock has signed a memorandum of understanding (MoU) with Salamander Offshore Wind to collaborate in research and innovation related to the development of technologies and supply chain for floating wind energy in Scotland.



Salamander Offshore Wind is a joint venture development project between Simply Blue Group, Ørsted and Subsea7 and will be located offshore from Peterhead in northeastern Scotland. Salamander Offshore Wind has signed an exclusivity agreement as part of Crown Estate Scotland's Innovation and Targeted Oil and Gas (INTOG) leasing round.

Tugdock's technology consists of a modular, road transportable frame using patented air lift bags that are filled and then vented using compressed air. By confining the air lift bags into a frame and deck arrangement, the product can be used as a buoyancy module or submersible platform.

Tugdock said this technology enables floating offshore wind turbine substructures to be built or assembled and the turbines integrated in ports with water depth or space restrictions. It is a lighter, shallow drafted, quicker, and more cost-effective alternative to a steel hulled barge or floating dock.

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# NEW COLLABORATION FOR TUGDOCK

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## New collaboration for Tugdock

September 29, 2021 | 702 | 0

Tugdock has signed a Memorandum of Understanding with Salamander floating offshore wind farm to collaborate on innovation for floating offshore wind energy in Scotland.

Salamander Offshore Wind is a joint venture development project between Simply Blue Group, Orsted and Subsea7 and will be located offshore from Peterhead in north-east Scotland. Salamander Offshore Wind has signed an exclusivity agreement as part of Crown Estate Scotland's Innovation and Targeted Oil and Gas (INTOG) leasing round.

The Tugdock technology consists of a modular road transportable space frame with the use of patented air lift bags that are filled and then vented using compressed air. By confining the air lift bags into a space frame configuration and deck arrangement, its product can be used as additional buoyancy modules or submersible platforms.

This technology enables floating offshore wind turbine substructures to be built or assembled and the turbines integrated in ports with water depth or space restrictions. It is a lighter, shallow drafted, quicker, and more cost-effective alternative to a steel hulled barge or floating dock.

Salamander Offshore Wind has engaged with Penryn-based Tugdock to discuss opportunities to collaborate in research and innovation related to the development of technologies and supply chain for floating wind energy in Scotland.

Tugdock CEO, Shane Carr, said: "The objectives of this exciting collaboration are for Salamander Offshore Wind and Tugdock to jointly develop innovative knowledge and technologies to accelerate the development of floating wind energy. This is currently a fast-evolving industry around the world. We are delighted to have agreed this forward-looking collaboration and we are confident that it will lead to significant progress."

Tom Pinner, innovation and offshore manager of Salamander Offshore Wind, added:

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# TUGDOCK SIGNS MEMORANDUM OF UNDERSTANDING WITH THE SALAMANDER FLOATING OFFSHORE WIND FARM



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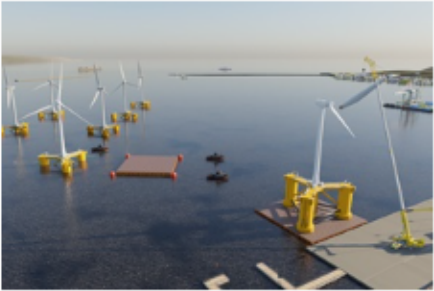
## Tugdock signs Memorandum of Understanding with the Salamander floating offshore wind farm

Published: 28 September 2023

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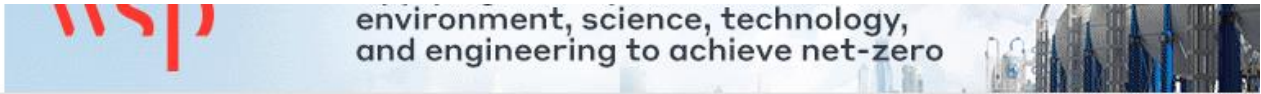
Salamander Offshore Wind has engaged with Tugdock to discuss opportunities to collaborate in research and innovation related to the development of technologies and supply chain for floating wind energy in Scotland.

Tugdock is a company based in Cornwall UK and its technology consists of a modular road transportable space frame with the use of patented air lift bags that are filled and then vented using compressed air. By confining the air lift bags into a space frame configuration and deck arrangement, their product can be used as additional buoyancy modules or submersible platforms. This technology enables floating offshore wind turbine substructures to be built or assembled and the turbines integrated in ports with water depth or space restrictions.



Salamander Offshore Wind is a joint venture development project between Simply Blue Group, Ørsted and

## SALAMANDER, TUGDOCK FORGE PARTNERSHIP



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**Salamander, Tugdock forge partnership**

Floating wind developer is working with Cornwall-based outfit to discuss Scottish supply chain opportunities

28 September 2023 Offshore Wind [Image: Tugdock]

Tugdock has signed a memorandum of understanding (MoU) with Salamander floating offshore wind farm to collaborate on innovation for floating offshore wind energy in Scotland.

Salamander Offshore Wind has engaged with the company to discuss opportunities to collaborate in

# SCOTTISH PROJECT TO EXPLORE TUGDOCK TECH APPLICATION TO ACCELERATE FLOATING WIND DEVELOPMENT

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## Scottish Project to Explore Tugdock Tech Application to Accelerate Floating Wind Development

INNOVATION

September 28, 2023, by Adrijana Buljan

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The joint venture behind the Salamander floating wind project and the UK developer of marine buoyancy technology, Tugdock, have signed a memorandum of understanding (MOU) to collaborate on research and innovation related to the development of technologies and supply chain for floating wind energy in Scotland.



Tugdock

The 100 MW floating wind farm, developed jointly by Simply Blue Group and Ørsted, and Subsea7 as a minority partner, is one of [the 13 projects selected in Scotland's Innovation and Targeted Oil and Gas \(INTOG\) leasing round](#) and one of the five INTOG innovation projects which signed exclusivity agreements with Crown Estate Scotland in May.

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Wind

## Tugdock signs MoU with Salamander floating offshore wind farm

Power Engineering International • Sep 28, 2023

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Image credit: Tugdock

Offshore floating wind technology firm Tugdock has signed a Memorandum of Understanding (MoU) with Salamander floating offshore wind farm to collaborate on floating offshore wind energy in Scotland.

The partners will collaborate in research and innovation related to the development of technologies and supply chains for floating wind energy in Scotland.

**Salamander Offshore Wind**, a joint venture development project between Simply Blue Group, Ørsted and Subsea7, will be located offshore from Peterhead in North-East Scotland.

Tugdock will bring its technology to the partnership, which consists of a modular road transportable space frame with

the use of patented air lift bags that are filled and then vented using compressed air. By confining the air lift bags into a space frame configuration and deck arrangement, their product can be used as additional buoyancy modules or submersible platforms.

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This technology enables floating offshore **wind turbine** substructures to be built or assembled and the turbines integrated in ports with water depth or space restrictions. According to Tugdock, it's a lighter, shallow drafted, quicker, and more cost-



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## Tugdock signs MoU with the Salamander floating offshore wind farm

28/09/2023



Tugdock signs MoU with the Salamander floating offshore wind farm

**Tugdock has signed a Memorandum of Understanding with Salamander floating offshore wind farm to collaborate on innovation for floating offshore wind energy in Scotland.**

Salamander Offshore Wind is a joint venture development project between Simply Blue Group, Ørsted and Subsea7 and will be located offshore from Peterhead in North-East Scotland. Salamander Offshore Wind has signed an exclusivity agreement as part of Crown Estate Scotland's Innovation and Targeted Oil and Gas (INTOG) leasing round.

Tugdock is a fast growing company based in Cornwall, UK. The Tugdock technology consists of a



# TUGDOCK AND SALAMANDER OFFSHORE WIND TEAM UP TO ACCELERATE FLOATING WIND ENERGY DEVELOPMENT



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## Tugdock and Salamander Offshore Wind Team Up to Accelerate Floating Wind Energy Development

10 min    September 28, 2023    0 Comments



UK-based company Tugdock has signed a Memorandum of Understanding with Salamander Floating offshore wind farm to collaborate on innovation for floating offshore wind energy in Scotland.

Tugdock, based in Cornwall, UK, has patented marine buoyancy technology that enables heavy marine structures to be built or assembled and loaded-out in ports with water depth or space restrictions.

Salamander Offshore Wind is a joint venture development project between Simply Blue Group, Ørsted and Suez7, which is developing a floating wind farm to be located offshore from Peterhead in North-East Scotland.

Salamander Offshore Wind has signed an exclusivity agreement as part of Crown Estate Scotland's Innovation and Targeted Oil and Gas (INTOG) leasing round.

Salamander Offshore Wind has engaged with Tugdock to discuss opportunities to collaborate in research and innovation related to the development of technology and supply chain for floating wind energy in Scotland.

The Tugdock technology consists of a modular road transportable space frame with the use of patented air lift bags that are filled and then vented using compressed air. By confining the air lift bags into a space frame configuration and deck arrangements, their product can be used as additional buoyancy modules or submersible platforms.

This technology enables floating offshore wind turbine substructures to be built or assembled and the turbines conveyed in ports with water depth or space restrictions. It is a lighter, shallow draft, quicker, and more cost-

## TUGDOCK SIGNS MOU WITH SALAMANDER OFFSHORE WIND FARM

### Tugdock Signs MoU With Salamander Offshore Wind Farm

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Tugdock has signed a Memorandum of Understanding with Salamander floating offshore wind farm to collaborate on innovation for floating offshore wind energy in Scotland.

Salamander Offshore Wind is a joint venture development project between Simply Blue Group, Ørsted and Subsea7 and will be located offshore from Peterhead in North-East Scotland. Salamander Offshore Wind has signed an exclusivity agreement as part of Crown Estate Scotland's Innovation and Targeted Oil and Gas (INTOG) leasing round.

Tugdock is a fast-growing company based in Cornwall UK. The Tugdock technology consists of a modular road transportable space frame with the use of patented air lift bags that are filled and then vented using compressed air. By confining the air lift bags into a space frame configuration and deck arrangement, their product can be used as additional buoyancy modules or submersible platforms.

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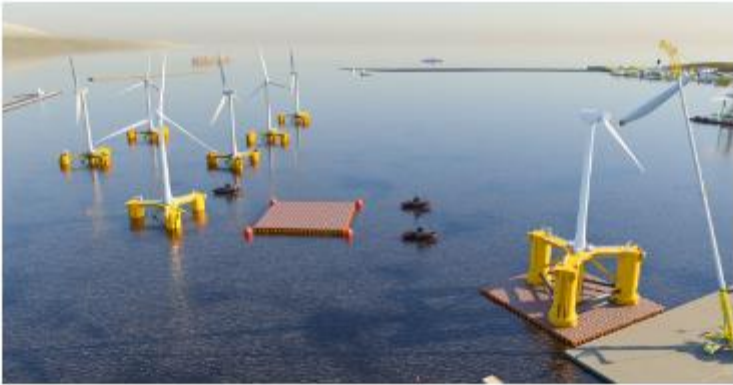
# TUGDOCK AND SALAMANDER OFFSHORE WIND COLLABORATE TO ADVANCE FLOATING WIND ENERGY



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WIND INDUSTRY NEWS

## Tugdock and Salamander Offshore Wind Collaborate to Advance Floating Wind Energy

Posted 28/09/2023 13:58

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UK-based company Tugdock has entered into a Memorandum of Understanding with Salamander Offshore Wind to collaborate on innovations for floating offshore wind energy in Scotland.

Tugdock, headquartered in Cornwall, has developed patented marine buoyancy technology that facilitates the construction and assembly of heavy marine structures in ports with water depth or space limitations.

Salamander Offshore Wind is a joint venture development project involving Simply Blue Group, Ørsted, and Subsea7. It is working on a floating wind farm off the coast of Peterhead in North-East Scotland as part of Crown Estate Scotland's Innovation and Targeted Oil and Gas (INTOG) leasing round.

Through this collaboration, Salamander Offshore Wind aims to explore research and innovation opportunities related to the development of technologies and supply chains for floating wind energy in Scotland. Tugdock's technology employs modular road-transportable space frames with patented air lift bags that can be filled and vented using compressed air. These air lift bags, when configured within a space frame arrangement, act as buoyancy modules or submersible platforms.

This technology allows for the construction, assembly, and integration of floating offshore wind turbine substructures in ports with limited water depth or space, offering a lighter, shallower-drafted, quicker, and more cost-effective alternative to steel-hulled barges or floating docks.

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# TUGDOCK AND SALAMANDER OFFSHORE WIND TEAM UP TO ACCELERATE FLOATING WIND ENERGY DEVELOPMENT

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(OE) UK-based company Tugdock has signed a Memorandum of Understanding with Salamander floating offshore wind farm to collaborate on innovation for floating offshore wind energy in Scotland.

Tugdock, based in Cornwall, UK, has patented marine buoyancy technology that enables heavy marine structures to be built or assembled and loaded-out in ports with water depth or space restrictions.

# TUGDOCK AND SALAMANDER OFFSHORE WIND TEAM UP TO ACCELERATE FLOATING WIND ENERGY DEVELOPMENT



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## Tugdock and Salamander Offshore Wind Team Up to Accelerate Floating Wind Energy Development

Sep 28, 2023



Credit: Tugdock

UK-based company Tugdock has signed a Memorandum of Understanding with Salamander floating offshore wind farm to collaborate on innovation for floating offshore wind energy in Scotland.

Tugdock, based in Cornwall, UK, has patented marine buoyancy technology that enables heavy marine structures to be built or assembled and loaded-out in ports with water depth or space restrictions.

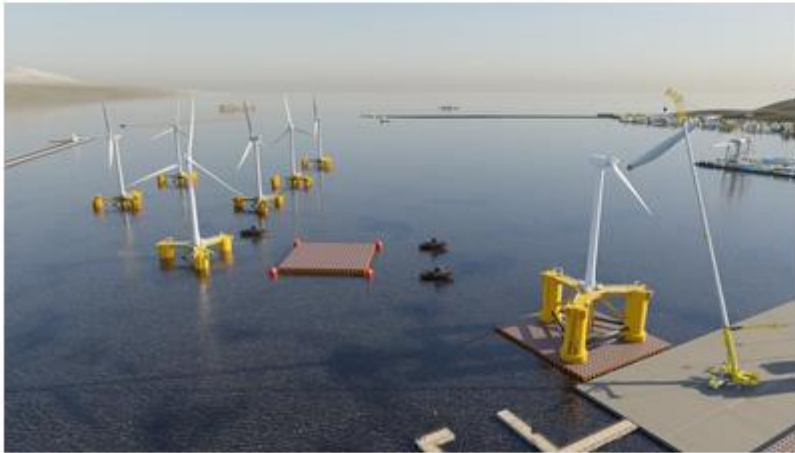
Salamander Offshore Wind is a joint venture development project



Monday, October 9, 2023

# Tugdock and Salamander Offshore Wind Team Up to Accelerate Floating Wind Energy Development

September 28, 2023



Credit: Tugdock



UK-based company Tugdock has signed a Memorandum of Understanding with Salamander floating offshore wind farm to

collaborate on innovation for floating offshore wind energy in Scotland.

# Tugdock and Salamander Offshore Wind Team Up to Accelerate Floating Wind Energy Development

28 September 2023



UK-based company Tugdock has signed a Memorandum of Understanding with

# CORNWALL FIRM TO SUPPORT OFFSHORE WIND FARM IN SCOTLAND



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## Cornwall firm to support offshore wind farm in Scotland

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Falmouth-based [Tugdock](#) has signed a Memorandum of Understanding with Salamander floating offshore wind farm to collaborate on innovation for floating offshore wind energy in Scotland.

Salamander Offshore Wind is a joint venture development project between Simply Blue Group, Ørsted and Subsea7 and will be located offshore from Peterhead in North-East Scotland. Salamander Offshore Wind has signed an exclusivity agreement as part of Crown Estate Scotland's Innovation and Targeted Oil and Gas (INTOG) leasing round.

Tugdock is a fast-growing company based in Cornwall UK. The Tugdock technology consists of a modular road transportable space frame with the use of patented air lift bags that are filled and then vented using compressed air. By confining the air lift bags into a space frame configuration and deck arrangement, their product can be used as additional buoyancy modules on submersible platforms.

This technology enables floating offshore wind turbine substructures to be built or assembled and the turbines integrated in ports with water depth or space restrictions. It is a lighter, shallow drafted, quicker, and more cost-effective alternative to a steel hulled barge or floating dock.

Salamander Offshore Wind has engaged with Tugdock to discuss opportunities to collaborate in research and innovation related to the development of technologies and supply chain for floating wind energy in Scotland.

Shane Carr, CEO of Tugdock says: "The objectives of this exciting collaboration are for Salamander Offshore Wind and Tugdock to jointly develop innovative knowledge and technologies to accelerate the development of floating wind energy. This is currently a fast-evolving industry around the world. We are delighted to have agreed this forward-looking collaboration and we are confident that it will lead to significant progress."

Tom Brown, Innovation and Interface Manager of Salamander Offshore Wind says: "Tugdock is a highly innovative young company and we are looking forward to working closely with them to explore the applications of their technology."

Lucas Love-Houghton, Director of Business Growth at Tugdock, adds: "Floating offshore wind will be vital in achieving the UK's mission to achieve net zero. Proactive collaboration between companies will help the industry to meet the challenges and unlock its full potential."

In recent months, Tugdock has also announced partnerships with Sarens, the global leader in crane rental and heavy lifting, and with Crowley, a US-based supply chain solutions company serving the offshore wind sector, exploring floating



### Editor's pick



### News head





# TUGDOCK AND SALAMANDER TO ADVANCE FLOATING WIND ENERGY IN SCOTLAND



## Tugdock and Salamander to advance floating wind energy in Scotland

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By Shatabdi Mazumdar | September 29, 2023 | News



Tugdock, a UK-based company headquartered in Cornwall, has entered into a Memorandum of Understanding with the Salamander floating offshore wind farm to jointly explore innovative solutions for advancing floating offshore wind energy in Scotland.

Salamander Offshore Wind, a joint venture development project involving Simply Blue Group, Orsted, and Subsea7, is actively developing a floating wind farm situated offshore from Peterhead in North-East Scotland. Their involvement in the Crown Estate Scotland's Innovation and Targeted Oil and Gas (ITTOG) leasing round led to the signing of an exclusivity agreement.

In a bid to promote research and innovation for the development of technologies and the supply chain for floating wind energy in Scotland, Salamander Offshore Wind has initiated discussions with Tugdock.

Tugdock's technology revolves around a modular, transportable space frame equipped with patented air lift bags that can be filled and vented using compressed air. By integrating these air lift bags into a space frame configuration and deck arrangement, their product serves as additional buoyancy modules or submersible platforms.

This technology facilitates the construction and assembly of floating offshore wind turbine substructures and the integration of turbines in ports with limitations in water depth or available space. Tugdock claims that their solution is a more lightweight, shallow-draft, faster, and cost-effective alternative to conventional steel-hulled barges or floating docks.

Shane Carr, CEO of Tugdock says, "The objectives of this exciting collaboration are for Salamander Offshore Wind and Tugdock to jointly develop innovative knowledge and technologies to accelerate the development of floating wind energy. This is currently a fast-evolving industry around the world. We are delighted to have agreed this forward-looking collaboration and we are confident that it will lead to significant progress."

Tom Brown, Innovation and Interface Manager of Salamander Offshore Wind says, "Tugdock is a highly innovative young company and we are looking forward to working closely with them to explore the applications of their technology."

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# TUGDOCK AND SALAMANDER OFFSHORE WIND TEAM UP TO ACCELERATE FLOATING WIND ENERGY DEVELOPMENT

## Tugdock and Salamander Offshore Wind Team Up to Accelerate Floating Wind Energy Development

September 28, 2023



Credit: Tugdock

UK-based company Tugdock has signed a Memorandum of Understanding with Salamander floating offshore wind farm to collaborate on innovation for floating offshore wind energy in Scotland.

Tugdock, based in Cornwall, UK, has patented marine buoyancy technology that enables heavy marine structures to be built or assembled and loaded-out in ports with water depth or space restrictions.

Salamander Offshore Wind is a joint venture development project between Simply Blue Group, Ørsted and Subsea7, which is developing a floating wind farm to be located offshore from Peterhead in North-East Scotland.

Salamander Offshore Wind has signed an exclusivity agreement as part of Crown Estate Scotland's Innovation and Targeted Oil and Gas (INTOG) leasing round.

Salamander Offshore Wind has engaged with Tugdock to discuss opportunities to collaborate in research and innovation related to the development of technologies and supply chain for floating wind energy in Scotland.

The Tugdock technology consists of a modular road transportable space frame with the use of patented air lift bags that are filled and then vented using compressed air. By confining the air lift bags into a space frame configuration and deck arrangement, their product can be used as additional buoyancy modules or submersible platforms.

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Shane Carr, CEO of Tugdock says: "The objectives of this exciting collaboration are for Salamander Offshore Wind and Tugdock to jointly develop innovative knowledge and

# TUGDOCK SIGNS MEMORANDUM OF UNDERSTANDING WITH THE SALAMANDER FLOATING OFFSHORE WIND FARM



## Tugdock signs Memorandum of Understanding with the Salamander floating offshore wind farm



News

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Tugdock has signed a Memorandum of Understanding with Salamander floating offshore wind farm to collaborate on Innovation for floating offshore wind energy in Scotland.

Salamander Offshore Wind is a joint venture development project between Simply Blue Group, Ørsted and Subsea7 and will be located offshore from Peterhead in North-East Scotland. Salamander Offshore Wind has signed an exclusivity agreement as part of Crown Estate Scotland's Innovation and Targeted Oil and Gas (INTOG) leasing round.

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# TUGDOCK SIGNS MOU WITH SALAMANDER FLOATING OFFSHORE WIND FARM

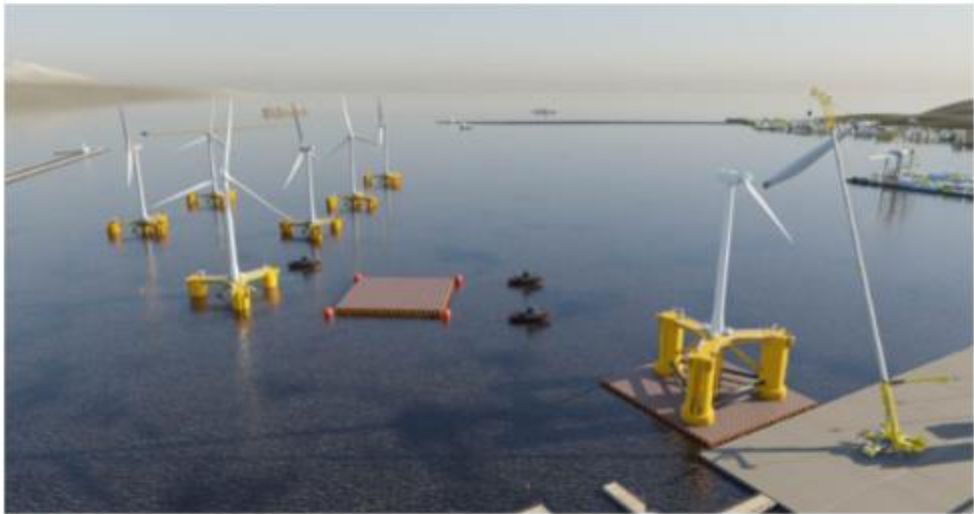
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## Tugdock Signs MoU with Salamander Floating Offshore Wind Farm

ECO POSTED ON SEPTEMBER 28, 2023



Tugdock has signed a Memorandum of Understanding (MoU) with Salamander Floating Offshore Wind Farm to collaborate on innovation for floating offshore wind energy in Scotland.



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Salamander Offshore Wind is a joint venture development project between Simply Blue Group, Ørsted, and Subsea7, and will be located offshore from Peterhead in North-East Scotland. Salamander Offshore Wind has signed an exclusivity agreement as part of Crown Estate Scotland's Innovation and Targeted Oil and Gas (INTOG) leasing round.

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Salamander Offshore Wind has engaged with Tugdock to discuss opportunities to collaborate in research and innovation.

# MOBILE DRYDOCK ASSISTS IN FLOATING WIND PROJECT

ENVIRONMENT

## Mobile drydock assists in floating wind project

09/2023



**1 offshore floating wind farm will be assembled using a transportable dry dock technology by UK-based Tugdock.**

Hamander Offshore Wind is a joint venture development project between Simply Blue Group, Ørsted and Subsea7, and will be installed offshore from Peterhead in North-east Scotland.

It is not a huge project in terms of electricity generation – it says it aims to install 100MW capacity as a contribution to the Scottish Government's target of 11GW of offshore wind power by 2030, and the UK target of 50GW of floating



Source: Tugdock

Transportable drydocks by Tugdock



# TUGDOCK, SALAMANDER ENTER FLOATING OFFSHORE WIND MOU

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## Tugdock, Salamander enter floating offshore wind MoU

Tugdock has signed a memorandum of understanding with Salamander floating offshore wind farm to collaborate on innovation for floating offshore wind energy in Scotland.

Sept. 30, 2021



*Offshore staff*

**FALMOUTH, UK** – Tugdock has signed a memorandum of understanding with Salamander floating offshore wind farm to collaborate on innovation for floating offshore wind energy in Scotland.

Salamander Offshore Wind is a joint venture between Simply Blue Group, Ørsted and Suhsea7 that is developing a 100-MW floating offshore wind farm project awarded earlier this year under Crown Estate Scotland's INTOG lease round.

It will be located 35 km from Peterhead on Scotland's east coast.

Tugdock, based in southwest England, has developed the Tugdock Submersible Platform and Tugdock Buoyancy Modules, both modular, road-transportable and, according to the company, easy to erect.

The Tugdock Buoyancy Modules provide additional buoyancy for draft reduction and stability for wind turbine generator integration in ports. The buoyancy modules are temporary works equipment that are fixed to the floaters and used during berthing, integration and marshalling, and removed prior to tow-out offshore.

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RWE, SARENS, TUGDOCK TEAM UP TO STUDY FLOATING WIND DEPLOYMENT OPTIONS

# RWE, Sarens, Tugdock Team Up to Study Floating Wind Deployment Options

Editor October 4, 2023 0 Comments



# RWE, SARENS, AND TUGDOCK TO TEST FLOATING WIND DEPLOYMENT AND INTEGRATION SOLUTIONS

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## RWE, Sarens, and Tugdock to Test Floating Wind Deployment and Integration Solutions

FLOATING WIND

October 4, 2023, by Adnan Durakovic

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**RWE has funded a study in Wales to investigate the quayside offload and launch of two types of floating offshore wind platforms – one steel and one concrete – alongside the integration of next-generation wind turbines onto these platforms.**

The aim is to maximise local supply chain opportunities by utilising local port infrastructure such as that at Port Talbot and Milford Haven, two of Wales’ deepest ports, RWE said.

The study will consider the use of this innovative solution at the Port Talbot facility in South Wales, run by Associated British Ports. This is being upgraded to facilitate manufacturing, assembly, and integration of floating offshore wind turbines.

The study outcomes will build on previous studies including one undertaken using the Port Of Milford Haven Marine Simulator. The resulting information will inform activities at other suitable ports in the region, such as the Port of Pembroke, owned and managed by Port of Milford Haven Authority.

The study will investigate using Sarens’ crane and barge technology alongside Tugdock’s submersible platform utilising a hybrid of both approaches.

These technical solutions will look to address the logistical challenges ports will face in order to accommodate commercial-scale floating offshore wind deployment. A variety of land and marine equipment will be considered to manoeuvre structures into the water offering novel solutions to the



# RWE, SARENS AND TUGDOCK INVESTIGATE METHODOLOGY OF LAUNCHING STEEL AND CONCRETE FLOATING FOUNDATIONS TO IDENTIFY SUPPLY CHAIN OPPORTUNITIES

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## RWE, Sarens and Tugdock investigate methodology of launching steel and concrete floating foundations to identify supply chain opportunities

Topic: Associated British Ports, Floating wind, local supply chain opportunities, Port Talbot, quayside launch, quayside offload, RWE, Sarens, Tugdock

RWE, Wales' largest renewable energy generator, has funded a study to investigate the quayside offload and launch of two types of floating offshore wind platforms – one steel and one concrete – alongside the integration of next generation wind turbine generators onto these platforms.

The aim of the study is to maximise local supply chain opportunities by utilising local port infrastructure such as that at Port Talbot and Milford Haven (two of Wales' deepest ports).

The study will consider the use of this innovative solution at the Port Talbot facility in South Wales, run by Associated British Ports. This is being upgraded to facilitate manufacturing, assembly, and integration of floating offshore wind turbines. The study outcomes will build on previous studies including one undertaken using the Port Of Milford Haven Marine Simulator. The resulting information will inform activities at other suitable ports in the region, such as the Port of Pembroke, owned and managed by Port of Milford Haven Authority.

The study will investigate using Sarens' established crane and barge technology alongside Tugdock's innovative submersible platform utilising a hybrid of both approaches.

These technical solutions will look to address the logistical challenges ports will face in order to accommodate commercial-scale floating offshore wind deployment. A variety of land and marine equipment will be considered to manoeuvre structures into the water offering novel solutions to the fast-growing floating offshore wind industry.

RWE is one of the world's leading offshore wind companies, and has pioneered the development of offshore wind in the UK for more than two decades. The company is now pursuing the Crown Estate's UK Round 5 seabed auction to secure at least 1 gigawatt of floating offshore wind in the Celtic Sea – an area bordered by the coasts of South Wales, South West England and South East Ireland.

Sarens, a global leader in large crane fleet services, heavy lifting and engineering transport, is using their

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Tugdock submersible platforms offer logistics solutions in smaller port spaces. Photo: Tugdock

## Orsted-backed floating wind project eyes air-bag innovation to beat port space squeeze

Salamander project signs MoU with logistics technology pioneer Tugdock

14 September 2024 11:37 GMT | UPDATED: 20 September 2023 13:17 GMT

By Gareth Chatwys 

UK marine buoyancy technology company Tugdock has signed into a potential partnership with the Salamander floating wind developers in Scotland.

Tugdock says its patented technology enables heavy marine structures to be built or assembled and loaded-out in ports with water depth or space restrictions.

Salamander Offshore Wind is a joint venture between Simply Ene Group, Orsted and Subsea 7 aimed at developing a 100MW floating wind farm offshore from Peterhead, East Scotland.

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JACK ALFONSO  
4 days ago





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## Meeting the challenge 'head on'

October 6, 2021  383  0



A Cornish business is collaborating with leading power producer RWE on a study to investigate innovative floating wind deployment in the Celtic Sea.

RWE, Wales' largest renewable energy generator, has funded the study with engineering

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RWE has funded a study to investigate the quayside offload and launch of two types of floating offshore wind platforms – alongside the integration of next generation wind turbine generators onto these structures in the Celtic Sea.

# RWE, SARENS, TUGDOCK TEAM UP TO STUDY FLOATING WIND DEPLOYMENT OPTIONS



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## RWE, Sarens, Tugdock Team Up to Study Floating Wind Deployment Options

Oct 4, 2023



Credit: Tugdock

Renewable energy firm RWE said Wednesday it was funding a study to investigate the quayside offload and launch of two types of floating offshore wind platforms – one steel and one concrete – alongside the integration of next-generation wind turbine generators onto these platforms.

Their aim is to maximize local supply chain opportunities by utilizing local port infrastructure such as that at Port Talbot and Milford Haven, two of Wales' deepest ports.

The study will consider the use of this innovative solution at the

# CORNISH MARINE FIRM COLLABORATES WITH UK POWER PROVIDER ON KEY FLOATING WIND LAUNCH

The image is a screenshot of a web browser displaying a news article on the BusinessLive website. At the top, there is a navigation bar with the BusinessLive logo and various menu items like 'AROUND THE UK', 'SECTORS', 'CLIMATE', 'OPINION', and 'PARTNER STORIES'. Below the navigation bar is a secondary menu with links for 'SEND ME DAILY EMAILS', 'ADVERTISE WITH US', 'MARKETING SOLUTIONS', 'FINANCE JOBS', 'LEGAL JOBS', 'BUSINESS SUPPORT JOBS', 'CONTACT US', 'ABOUT US', and 'NEWSLETTER SIGNUP'. The main content area features a large article titled 'Cornish marine firm collaborates with UK power provider on key floating wind launch'. The article is categorized under 'Manufacturing + Energy' and is written by Abigail Turner, South West Business Editor, dated 11:35, 4 OCT 2021. The article text states: 'Falmouth-based Tugdock will work with RWE and Sarens to investigate innovative floating wind deployment and integration solutions for the Celtic Sea'. To the right of the article is a social media sharing section with icons for Facebook, Twitter, and LinkedIn, along with a 'Bookmark' icon. Below the article is a large image of a floating offshore wind turbine. A caption below the image reads: 'Tetra Spar, Floating Offshore (Image Photo: The Japan Economic Newspaper)'. To the left of the image is a sign-up form for 'More Newsletters' with the text 'Sign up to FREE email alerts from BusinessLive-Manufacturing - your routed-up from across the sector direct every Monday'. The form includes an email input field and a 'Subscribe' button. Below the form is a small disclaimer: 'We use your sign-up to provide you with other products and services you may be interested in. This may include newsletters and promotional offers. We will never sell your details to a third party. You can unsubscribe at any time.' To the right of the article is a vertical advertisement for the Dyson Airwrap hair styling tool. The ad features the text 'dyson airwrap Everyday styling for all hair types. No heat damage.' and 'Learn more'. Below the text is an image of a woman using the hair tool. At the bottom of the ad, it says '24 months, no cost OMI on hold\*'. Below the ad is a category filter with 'MANUFACTURING' and 'ALL' options.

# RWE, SARENS, TUGDOCK TEAM UP TO STUDY FLOATING WIND DEPLOYMENT OPTIONS

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## RWE collaborates with Sarens and Tugdock to investigate innovative floating wind deployment and integration solutions for the Celtic Sea

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04/10/2023



RWE, Wales' largest renewable energy generator, has funded a study to investigate the quayside offload and launch of two types of floating offshore wind platforms – one steel and one concrete – on wind turbine generators onto these platforms. Their



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## RWE COLLABORATES WITH SARENS AND TUGDOCK TO INVESTIGATE INNOVATIVE FLOATING WIND DEPLOYMENT AND INTEGRATION SOLUTIONS FOR THE CELTIC SEA

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### RWE collaborates with Sarens and Tugdock to investigate innovative floating wind deployment and integration solutions for the Celtic Sea

4 October 2023



RWE, Wales' largest renewable energy generator, has funded a study to investigate the quayside offload and launch of two types of floating offshore wind platforms – one steel and one concrete – alongside the integration of next generation wind turbine generators onto these platforms. Their aim is...

<https://www.hellenicshippingnews.com/rwe-collaborates-with-sarens-and-tugdock-to-investigate-innovative-floating-wind-deployment-and-integration-solutions-for-the-celtic-sea/>

# RWE, SARENS, AND TUGDOCK COLLABORATE ON INNOVATIVE FLOATING WIND DEPLOYMENT STUDY



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WIND INDUSTRY NEWS

## RWE, Sarens, and Tugdock Collaborate on Innovative Floating Wind Deployment Study

Posted 04/10/2023 14:56

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Renewable energy leader RWE has announced its funding of a comprehensive study aimed at exploring the quayside offload and launch procedures for two distinct types of floating offshore wind platforms – one composed of steel and the other of concrete. Additionally, the study will focus on integrating next-generation wind turbine generators onto these platforms, all with the goal of maximizing local supply chain opportunities.

To optimize the use of local port infrastructure, such as the deepwater ports of Port Talbot and Milford Haven in Wales, the study will assess the feasibility of this innovative solution at the Port Talbot facility, operated by Associated British Ports and currently undergoing upgrades to support the manufacturing, assembly, and integration of floating offshore wind turbines. The insights gained from the study, building upon previous research conducted at the Port of Milford Haven Marine Simulator, will guide future activities at other suitable ports within the region.

This study will evaluate the incorporation of Sarens' established crane and barge technology in combination with Tugdock's pioneering submersible platform, which employs a steel frame and patented air lift bags. This technology can serve as additional buoyancy or a submersible platform for lifting and launching heavy marine structures, boasting an impressive load capacity of up to 25,000 tonnes. Its modular design allows for easy transport by road and makes it an ideal candidate for supporting the deployment of commercial-scale floating wind.

The aim is to address the logistical challenges posed to ports accommodating the large-scale deployment of floating

# RWE WORKING WITH MARINE FIRM ON FLOATING WIND

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National

## RWE working with marine firm on floating wind

By Ben Butler  
5 Oct 2023



Tetraopar project (Image credit: RWE)

Welsh renewable energy generator RWE is working with a Cornish marine firm on key floating wind launch technology.

RWE has collaborated with Sarens and Falmouth-based Tugdock to investigate innovative floating wind deployment and integration for the Celtic Sea

RWE has funded a study to investigate the quayside offload and launch of two types of floating offshore wind platforms - one steel and the other concrete. This is alongside the integration of next generation wind turbine generators onto these platforms.

Their aim is to maximise local supply chain opportunities by utilising local port infrastructure such as that at Port Talbot and Milford Haven, two of Wales' deepest ports.

The study will consider the use of this innovative service at the Port Talbot facility, run by Associated British Ports. This is being upgraded to facilitate manufacturing, assembly, and

# RWE, SARENS, AND TUGDOCK COLLABORATES FOR FLOATING OFFSHORE WIND PLATFORMS



## RWE, Sarens, and Tugdock collaborates for floating offshore wind platforms

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Shahadi Mazumdar | October 4, 2023 | News



RWE, Wales' largest renewable energy generator, has funded a study to investigate the quayside offload and launch of two types of floating offshore wind platforms, one steel and one concrete alongside the integration of next generation wind turbine generators onto these platforms. Their aim is to maximise local supply chain opportunities by utilising local port infrastructure such as that at Port Talbot and Milford Haven (two of Wales' deepest ports).

The study will consider the use of this innovative solution at the Port Talbot facility in South Wales, run by Associated British Ports. This is being upgraded to facilitate manufacturing, assembly, and integration of floating offshore wind turbines. The study outcomes will build on previous studies including one undertaken using the Port Of Milford Haven Marine Simulator. The resulting information will inform activities at other suitable ports in the region, such as the Port of Pembroke, owned and managed by Port of Milford Haven Authority.

The study will investigate using Sarens' established crane and barge technology alongside Tugdock's innovative submersible platform utilising a hybrid of both approaches.

These technical solutions will look to address the logistical challenges ports will face in order to accommodate commercial-scale floating offshore wind deployment. A variety of land and marine equipment will be considered to manoeuvre structures into the water offering novel solutions to the fast-growing floating offshore wind industry.

RWE is one of the world's leading offshore wind companies, and has pioneered the development of offshore wind in the UK for more than two decades. The company is now pursuing the Crown Estate's UK Round 5 seabed auction to secure at least 1 giga-watt of floating offshore wind in the Celtic Sea – an area bordered by the coasts of South Wales, South West England and South East Ireland.

Sarens, a global leader in large crane fleet services, heavy lifting and engineering transport, is using their extensive experience and knowledge to seek new innovation solutions to solve future deployment problems.

Tugdock, a Cardiff-based company, has developed an innovative technology which combines a steel frame and patented air fill bags to act either as additional buoyancy or as a submersible platform for lifting or launching heavy marine structures. With an effective load capacity of up to 25,000 tonnes and a modular design, the technology can be easily transported by road and is well placed to support the deployment of commercial-scale floating wind.

# RWE COLLABORATES WITH SARENS AND TUGDOCK TO INVESTIGATE FLOATING WIND DEPLOYMENT FOR THE CELTIC SEA



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## RWE collaborates with Sarens and Tugdock to investigate floating wind deployment for the Celtic Sea

Published: 05 October 2023

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RWE has funded a study to investigate the quayside offload and launch of two types of floating offshore wind platforms—one steel and one concrete—alongside the integration of next-generation wind turbine generators onto these platforms. Their aim is to maximise local supply chain opportunities by utilising local port infrastructure such as that at Port Talbot and Milford Haven (two of Wales' deepest ports).

The study will consider the use of this solution at the Port Talbot facility in South Wales, run by Associated British Ports. This is being upgraded to facilitate the manufacturing, assembly, and integration of floating offshore wind turbines. The study outcomes will build on previous studies, including one undertaken using the Port of Milford Haven Marine Simulator. The resulting information will inform activities at other suitable ports in the region, such as the Port of Pembroke, owned and managed by the Port of Milford Haven Authority.

The study will investigate using Sarens' crane and barge technology alongside Tugdock's submersible platform, utilising a hybrid of both approaches. These technical solutions will look to address the logistical challenges ports will face in order to accommodate commercial-scale floating offshore wind deployment. A variety of land and marine equipment will be considered to manoeuvre structures into the water, offering new solutions to the growing floating offshore wind industry.

# RWE COLLABORATES WITH SARENS AND TUGDOCK TO INVESTIGATE INNOVATIVE FLOATING WIND DEPLOYMENT AND INTEGRATION SOLUTIONS FOR THE CELTIC SEA

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## RWE collaborates with Sarens and Tugdock to investigate innovative floating wind deployment and integration solutions for the Celtic Sea

International Shipping News | 14/10/2023

**RWE**, the world's largest renewable energy generator has funded a study to investigate the quayside offload and launch of two types of floating offshore wind platforms - one steel and one concrete - alongside the integration of new generation wind turbine generators onto these platforms. Their aim is to maximise local supply chain opportunities by utilising local port infrastructure such as that at Port Talbot and Milford Haven's deepest ports.

The study will consider the use of this innovative solution at the Port Talbot facility in South Wales, run by Associated British Ports. This is being upgraded to facilitate manufacturing, assembly, and integration of floating offshore wind turbines. The study outcomes will build on previous studies including one undertaken using the Port Of Milford Haven Marine Simulator. The resulting information will inform activities at other suitable ports in the region, such as the Port of Pembroke, owned and managed by Port of Milford Haven Authority.

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These technical solutions will look to address the logistical challenges ports will face in order to accommodate commercial-scale floating offshore wind deployment. A variety of land and marine equipment will be considered to manoeuvre structures into the water offering novel solutions to the fast-growing floating offshore wind industry.

RWE is one of the world's leading offshore wind companies, and has pioneered the development of offshore wind in the UK for more than two decades. The company is now pursuing the "mass offshore wind" strategy, which involves at least 10 GW of capacity of

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# STUDY TO BOOST UK PORT INFRASTRUCTURE TO SUPPORT FLOATING OFFSHORE WIND



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Wind

## Study to boost UK port infrastructure to support floating offshore wind

Power Engineering International • Oct 05, 2023

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Image courtesy RWE

In Wales, UK, renewable energy company RWE is funding a study to investigate how to maximise local port infrastructure to support the offload and launch of floating offshore wind platforms.

The aim of the study is to boost local supply chain opportunities by utilising local port infrastructure and will focus on offload and launch of two types of floating offshore wind platforms – one steel and one concrete.

The study will investigate using Sarens' crane and barge technology alongside Tugdock's submersible platform utilising a hybrid of both approaches.

These technical solutions will look to address the logistical challenges ports will face in order to accommodate

commercial-scale floating offshore wind deployment.

A variety of land and marine equipment will be considered to manoeuvre structures into the water offering solutions to the fast-growing floating offshore wind industry.

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RWE will focus the study at the Port Talbot facility in South Wales, run by Associated British Ports. This is currently being upgraded to facilitate manufacturing, assembly and integration of floating offshore wind turbines.

The study outcomes will build on previous studies including one undertaken using the Port Of Milford Haven Marine Simulator. The resulting information will inform activities at other suitable ports in the region, such as the Port of Pembroke, owned and managed by Port of Milford Haven Authority.

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RENEWABLE ENERGY

## Study assessing quayside techniques for managing Celtic Sea floating wind structures

RWE is funding a study concerning quayside offload and launching of two types of floating offshore wind platforms in the Celtic Sea, one steel and one concrete.

Oct 4, 2023

*Offshore staff*

**ESSEN, Germany** – RWE is funding a study concerning quayside offload and launching of two types of floating offshore wind platforms in the Celtic Sea, one steel and one concrete, to support next-generation wind turbine generators.

The goal is to maximize involvement of the local supply chain opportunities through using local port infrastructure at Port Talbot and Milford Haven in south and west Wales, two of the country's deepest ports.

RWE aims to participate in Crown Estate's UK Round 5 seabed auction to secure at least 1 GW of floating offshore wind in the Celtic Sea, which extends from South Wales and Southwest England to Southeast Ireland.

The study will consider use of the quayside concept use at the Port Talbot facility run by Associated British Ports, which is being upgraded for manufacturing, assembly and integration of floating offshore wind turbines.

It will build on previous studies including one that involved use of the Port of Milford Haven marine simulator. Results will inform activities at other suitable ports in the region such as Port of Penabroke, owned and managed by Port of Milford Haven Authority.

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# TUGDOCK TECHNOLOGY GETS FURTHER BOOST WITH RWE STUDY



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## Tugdock technology gets further boost with RWE study

By Raythe Kumar | 6 October 2022



Germany-headquartered energy company RWE has funded a study to investigate the quayside offload and launch of two types of floating offshore wind platforms – one steel and one concrete – in collaboration with Sarens and Tugdock.



The study will consider the use of **Sarens'** established crane and barge technology alongside Tugdock's submersible platform, utilising a hybrid of both approaches. The aim is to maximise local supply chain opportunities by utilising local port infrastructure such as that at Port Talbot and Milford Haven – two of Wales' deepest ports.

The study will consider the use of this solution at the Port Talbot facility in South Wales, run by Associated British Ports (ABP). This is being upgraded to facilitate manufacturing, assembly and integration of floating offshore wind turbines. The study outcomes will build on previous studies including one undertaken using the port of Milford Haven Marine Simulator. The resulting information will inform activities at other suitable ports in the region, such as the port of Pembrok, which is owned and managed by the Port of Milford Haven Authority.

These technical solutions will look to address the logistical challenges ports will face in order to

# RWE COLLABORATES WITH SARENS AND TUGDOCK TO INVESTIGATE INNOVATIVE



## RWE collaborates with Sarens and Tugdock to investigate innovative..



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05/10/2023



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..floating wind deployment and integration solutions for the Celtic Sea

- Collaboration between the UK's leading power producer RWE and engineering specialists Sarens and Tugdock
- Study investigates methodology of launching steel and concrete floating foundations to identify supply chain opportunities
- Study will look at innovative technical solutions in the Celtic Sea region to unlock local potential

## RWE, SARENS, AND TUGDOCK TO TEST FLOATING WIND DEPLOYMENT AND INTEGRATION SOLUTIONS

# RWE, Sarens, and Tugdock to Test Floating Wind Deployment and Integration Solutions

*Source: [www.gulfoilandgas.com](http://www.gulfoilandgas.com) 10/4/2023, Location: Europe*

UK's leading power producer RWE collaborates with Sarens and Tugdock to explore floating wind solutions for the Celtic Sea.

RWE, Wales' largest renewable energy generator, has funded a study to investigate the quayside offload and launch of two types of floating offshore wind platforms – one steel and one concrete – alongside the integration of next generation wind turbine generators onto these platforms. Their aim is to maximise local supply chain opportunities by utilising local port infrastructure such as that at Port Talbot and Milford Haven (two of Wales' deepest ports).

# RWE COLLABORATES WITH SARENS AND TUGDOCK ON FLOATING OFFSHORE WIND PLATFORMS

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## RWE Collaborates with Sarens and Tugdock on Floating Offshore Wind Platforms

RENEWABLES POSTED ON OCT 04, 2023



(Image credit: RWE)

RWE, Wales' largest renewable energy generator, has funded a study to investigate the quayside offload and launch of two types of floating offshore wind platforms – one steel and one concrete – alongside the integration of next generation wind turbine generators onto these platforms.

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The study will investigate using Sarens' established crane and barge technology alongside Tugdock's innovative submersible platform utilizing a hybrid of both approaches.

# RWE COLLABORATES WITH SARENS AND TUGDOCK TO INVESTIGATE INNOVATIVE FLOATING WIND DEPLOYMENT AND INTEGRATION SOLUTIONS FOR THE CELTIC SEA



## RWE collaborates with Sarens and Tugdock to investigate innovative floating wind deployment and integration solutions for the Celtic Sea

Home / News / 2023 / October  
 / RWE collaborates with Sarens and Tugdock to investigate innovative floating wind deployment and integration solutions for the Celtic Sea

Posted on 04 October 2023



RWE, Wales largest renewable energy generator has funded a study to investigate the quayside offload and launch of two types of floating offshore wind platforms - one steel and one concrete - alongside the integration of next generation wind turbine generators onto these platforms. Their aim is to maximise local supply chain opportunities by utilising local port infrastructure such as that at Port Talbot and Milford Haven (one of Wales deepest ports).

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RWE is one of the world's leading offshore wind companies and has pioneered the development of offshore wind in the UK for more than two decades. The company is now pursuing the Crown Estate's UK Round 3 sealed auction to secure at least 1 gigawatt of floating offshore wind in the Celtic Sea - an area bordered by the coasts of South Wales, South West England and South East Ireland.

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## RWE COLLABORATES WITH SARENS AND TUGDOCK ON FLOATING OFFSHORE WIND PLATFORMS



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# RWE Collaborates with Sarens and Tugdock on Floating Offshore Wind Platforms

Ocean News / 04 October 2023



(Image credit: RWE)

RWE, Wales' largest renewable energy generator, has funded a study to investigate the quayside offload and launch of two types of floating offshore wind platforms – one steel and one concrete – alongside the integration of next generation wind turbine generators onto these platforms

## SARENS WORKS AT THE GREEN ENERGY PROJECT IN FRANCE

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# Sarens Works At The Green Energy Project In France

09 October 2023

1 min read

Sarens works at the Swiss Krono renovation project at their plant in Sully Sur Loire, France



The Green Energy project at Swiss Krono aims to transform the Sully Sur Loire site and replace around 90 percent gas consumption with renewable biomass sources. Swiss Krono specialises in the production of construction materials and other wood products. Swiss Krono Company recruited our client Vyncke Clean Energy Technology to replace the old equipment and install the new boiler at their green energy project in Sully sur Loire, France.

In a short rental project, Sarens was commissioned to lift the PCBR2 Smokestack. The challenge was to work under live plant conditions within a tight space and minimal disruption to nearby structures.

Sarens used the Demag AC 5.160-1 to successfully lift the 18.3T smokestack having a diameter of 5m. The lift was completed within a day. Sarens will be onsite for the next three months to execute multiple lifts.

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# CIVIL SECTOR DRIVES THE POST-PANDEMIC RECOVERY



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FROM THE MAGAZINE

## Civil sector drives the post-pandemic recovery

By Phil Hastings | 27 June 2023

A growing worldwide requirement for new and upgraded basic infrastructure is set to continue driving investment in major civil engineering projects. That trend is further fuelled by the fact many countries are making such projects a key element of their post-pandemic economic recovery. The project logistics and heavy lift sector is on hand to help realise these ambitions. Phil Hastings reports.



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# FIRST FÉCAMP TURBINE INSTALLED WHILE ONSHORE PROJECTS GATHER SUPPORT



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## SECTORS

### First Fécamp turbine installed while onshore projects gather support

By David Kanhai | 7 July 2023

The first turbine has been installed at the 500 MW Fécamp wind farm, located off Normandy in northern France. The country also awarded almost 1.2 GW of wind projects in an oversubscribed tendering round.



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# HEAVY LIFT AWARDS 2023: SHORTLIST REVEALED

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A yellow banner for DHL Industrial Projects. It features the DHL logo and the text "MEET US AT BREAKBULK AMERICAS 2023". To the right is a photograph of two workers in high-visibility gear standing next to a large container.

BUSINESS

## Heavy Lift Awards 2023: Shortlist revealed

13 July 2023

HLPFI is pleased to reveal the shortlist for the Heavy Lift Awards 2023. Take a look at the finalists in with a chance of taking home a coveted trophy.



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# SARENS SPANS HIGHWAY IN ZAVENTEM



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## PROJECTS

### Sarens spans highway in Zaventem

By David Kershaw | 05 July 2013

Belgian heavy transport engineering specialist Sarens moved and installed a 1,600-tonne bridge in Zaventem, spanning one of the country's busiest motorways.



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# SHORTLIST SPOTLIGHT 2023: INNOVATION AWARD



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AWARDS

## Shortlist spotlight 2023: Innovation Award

17 July 2023

HLPFI reviews the shortlisted entries for the 2023 Innovation Award.



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# TECHNIP SIGNS MOU WITH YOUNG CHANG AND SARENS FOR SOUTH KOREAN OFFSHORE WIND



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BUSINESS

## Technip signs MoU with Young Chang and Sarens for South Korean offshore wind

By Sagheer Kameel | 3 August 2022

Technip Energies has signed a memorandum of understanding (MoU) with yard infrastructure provider Young Chang Heavy Industry and heavy lift specialist Sarens to collaborate on floating offshore wind energy projects off South Korea.



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## PROJECTS

### Sarens handles modules for Hong Kong waste management facility

By Sophia Kwan | 10 August 2023

Sarens has transported modules for the first phase of an integrated waste management project in Hong Kong.



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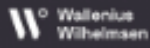


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## Sarens showcases lifting power for one of Africa's highest new bridges

www.sarens.com | Sponsored by Sarens | 15 August 2023

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Sarens lifts and installs several steel beams for Al Hadarat Bridge project in Cairo, Egypt.



Sarens is proud to have helped construct what will be one of the highest bridges in Africa, the Al Hadarat Bridge in Cairo. Over the course of several weeks, Sarens completed two triumphant lifting operations on behalf of Arab Contractors, bringing the bridge project closer to its debut.



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# SARENS PSG FORMS JOINT VENTURE WITH AVENTUS ENERGY

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BUSINESS

## Sarens PSG forms joint venture with Aventus Energy

By Sayita Kumar | 29 August 2023



Sarens PSG and Aventus Energy have entered into a joint venture agreement to offer an integrated port marshalling service to the offshore wind sector.



Sarens PSG – a joint venture between Sarens and PSG Marine & Logistics to serve the offshore wind and renewables sector across Scotland – provides turnkey heavy lifting and transport solutions to the offshore wind sector including port marshalling, floating wind deployment and wind turbine generator integration services. Aventus Energy, meanwhile, specialises in inspection, repair, and maintenance solutions.

The decision to form the joint venture between Sarens PSG and Aventus Energy came as the companies recognised market demand for a single integrated contract model capable of delivering a





# QUARTER 3

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# MANAGING RESTRICTING HIGH TIDE CONDITIONS, SARENS SKIDS, AND LOADS OUT MODULES IN MALAYSIA



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## Managing restricting high tide conditions, Sarens skids, and loads out modules in Malaysia

News | Sponsored by Sarens | 2 September 2022



Sarens works at the Malaysia Marine and Heavy Engineering West Yard in Johor to skid, and load-out modules.



Sarens was asked by its client Malaysia Marine and Heavy Engineering to skid, and load-out heavy modules for the EPCIC SKA08W Jerun Field Development Project at the Malaysia Marine and Heavy Engineering West Yard (MMHE) in Johor, Malaysia.

The greatest challenge was the tide restriction which considerably reduced the operation window. Sarens also had to provide full contingency for the skidding equipment and ballast systems. Detailed



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SECTORS

## ESTA progresses with safety initiatives

By Sophie Ramaa | 13 September 2023



The European association of abnormal road transport and mobile cranes (ESTA) is progressing with its SPMT training plans, with a meeting scheduled for October to decide upon its contents.



The October meeting of the SPMT working group will come to a final agreement on the contents of its SPMT operators' training regime.

The plans to develop a European Trailer Operators Licence (ETOL) for SPMT operators was put forward at the association's spring meetings in the Netherlands and were met with strong support from members. The upcoming autumn meeting will finalise some of the details of the scheme, which will follow the operational and management structure of the existing European Crane Operators Licence (ECOL).

# SARENS BOOSTS FLEET FOR GIGANTIC WIND PROJECT

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## EQUIPMENT

# Sarens boosts fleet for gigantic wind project

By Sagfa Ramaz | 11 September 2021



Belgian engineered transport provider and heavy lift specialist Sarens has bolstered its fleet in order to handle wind turbine components for ACWA Power's 1 GW wind power project in Bukhara, Uzbekistan.



The components have to be transported from the border of China to Bukhara via Kazakhstan. 158 sets of turbine generator sections, four transformers, and special lifting tools have to be delivered within 18 months. Each wind turbine generator set includes four tower sections with a maximum weight of 96 tonnes; three blade sections weighing 29 tonnes; a 44-tonne hub section; and a 129-tonne nacelle.

Given the magnitude of the project, Sarens has invested in its fleet. This includes the addition of 25 Faymonville TeleMAX trailers for the blades; 32 Faymonville MultiMAX trailers for three of the tower sections; plus 11 additional Faymonville trailers units; and 32 Mercedes Benz Arocs 3355BL5 6x4 trucks with latest Euro-VI emission technology.

All trailers and trucks were delivered from Europe to Almaty, Kazakhstan, via road, sea, and railway in



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# SARENS SECURES SOLAR WORK IN SOUTH AFRICA



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## PROJECTS

# Sarens secures solar work in South Africa

By Sophia Barnes | 19 September 2023



Sarens is offloading and installation 456 battery energy storage systems (BESS) and 90 medium-voltage power station (MVPS) units for a hybrid solar farm in Kenhardt, South Africa.



The contract with Scatec was signed back in March 2023, with the project being one of the first of South Africa's Risk Mitigation Independent Power Producer Procurement Programme (RMIPPP) in execution phase.

"We are thrilled to be at the forefront of this operation as it opens our horizons in the renewables sector," said Tim Blesemans, Sarens' regional director of Southern Africa. "Solar... is a sector that can bring immense changes for the best on our planet, and we are dedicated to helping it grow with whatever we can do as referenced heavy lifting and engineered transport solutions and service provider globally."

The project is expected to be completed by the end of 2025 and will supplement the power grid of the country with 540 MW of installed capacity.



## SPOTLIGHT ON SARENS CANADA



### Spotlight on Sarens Canada

www | Sponsored by Sarens | 19 September 2023



For over a decade, Sarens has been expanding its presence across Canada, starting with the acquisition of Canada Crane in 2011 and continuing with the subsequent rebrand to Sarens Canada Inc. in 2014. Since then, Sarens Canada has proudly participated in several landmark projects.



These projects have included:

- Multiple wind turbine projects across Canada,
- New petrochemical and oil plant construction,
- Plant expansion and maintenance projects,
- Multiple refinery shutdowns.

Today, Sarens Canada boasts branches across the country and serves a variety of sectors, especially wind energy, oil and gas, and civil infrastructure. Clients trust Sarens Canada for complex project engineering as well as daily equipment rental from its well-established fleet.

#### Offices and Branches

With its state-of-the-art shop and offices in Leduc, Alberta, Sarens is strategically positioned to support northern Alberta in Fort McMurray, Grande Prairie, and other sites; a vast number of wind turbine projects in southern Alberta; and clients across Saskatchewan and Manitoba. Continually opening new branches, Sarens has also expanded its reach across British Columbia and Ontario:

- **Ayr, Ontario** - Opened in 2018.



## SARENS MOVE AND INSTALL 1600T BRIDGE IN BELGIUM – VIDEO

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14 Jul 2023

### Sarens Move and Install 1600t Bridge in Belgium – Video

Topics: 1600t bridge, 3D scanner, Belgium, BESIX, KIST Trolley, Sarens, Smulders, SPMT's, time-caster, Zaventem

Sarens moved and installed a 1600t bridge in Zaventem, Belgium across one of the busiest highways of Belgium with minimum traffic disruption.

Sarens was asked by their clients Smulders and Besix to provide complete technical solution and engineering services to install the 1600t bridge across the ring road in Zaventem in a time-sensitive project.

Brussels' ring road is one of the busiest highways of Belgium. As part of the ring-wide renewal project coordinated by De Werkenootschap, the bridge had to be installed across the ring road in Zaventem within limited time window for traffic closure.



# SARENS LIFTING BRIDGES FOR RATP AND SNCF RÉSEAU IN PARIS

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24 Jul 2023

## Sarens Lifting Bridges for RATP and SNCF Réseau in Paris

Topics: France, Little Celeste, modernisation, national rail network, Port de Chartres, Port de Gallardon, rail bridges, RER line B, RER line C, Sarens, SGC-90, silent electric ring crane

Sarens is currently undertaking a project of iconic significance for the modernisation of the national rail network in France. As part of the project, first the two century-old rail bridges weighing 45t each – the Port de Chartres for RER line B and Port de Gallardon for RER line C – will be dismantled. Next, two new bridge sections will be installed. The two new bridges will allow the passage of faster and more efficient trains in two Paris lines that are used by a total of over 1.5 million people daily in the metropolitan area of Paris. The comfort of local residents will also be improved, with a reduction in traffic noise and vibrations.

The available area in between the busy road and the railway track was a challenge, along with the low ground bearing pressure. SGC-90, the fully electric and silent ring crane, was shortlisted to tackle these challenges and execute the project.

The SGC-90, also known as "Little Celeste", reached the Port of Rouen from Indonesia and was then transported via road in 220 trucks to Maesy in France. An AC100, LR1200, and CC2800 completed the assembly of the SGC-90 with 100m main boom configuration in eight weeks.



# TECHNIP ENERGIES, YOUNG CHANG AND SARENS JOIN FORCES FOR KOREAN FLOATING OFFSHORE WIND PROJECTS

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1 Aug 2023

## Technip Energies, Young Chang and Sarens Join Forces for Korean Floating Offshore Wind Projects

Topic: Engineering, floating offshore wind industry, Marshalling, Sarens, South Korea, steel fabrication, Technip Energies, technology, Young Chang

Technip Energies signed a Memorandum of Understanding (MoU) with the yard infrastructure provider Young Chang and heavy lifting solutions provider Sarens to collaborate on floating offshore wind projects offshore South Korea.

The cooperation covers the development of an integrated solution to provide floating wind turbine marshalling & integration services, using Young Chang's Shinan yard and Sarens' capabilities in heavy lifting and engineered transport. The agreement is key for unlocking and supporting the ambition to start up the floating offshore wind industry in South Korea.

Technip Energies is a leading Engineering & Technology company for the energy transition, with leadership positions in Liquefied Natural Gas (LNG), hydrogen and ethylene as well as growing market positions in blue and green hydrogen, sustainable chemistry and CO<sub>2</sub> management. The company benefits from its robust project delivery model supported by extensive technology, products and services offering.

Youngchang Heavy Industries started from the steel bridge business in 1996 and successfully built and delivered 16 units of marine vessels and various steel structure and module fabrication with the steel fabrication capacity of 90,000 ton/year in Shinan yard. Especially, Youngchang's Shinan yard has a large space of 330,000 m<sup>2</sup> and 310 meter Quay-wall with a enough water depth, which can provide various offshore supply base and steel fabricating & integration service for forthcoming offshore wind power projects.

Willy Gauttier, VP Floating Offshore Wind of Technip Energies, commented: "We are pleased to join forces with Young Chang and Sarens for our floating wind projects in South Korea. The complementary nature of the three entities will enable us to offer our customers the capability of innovative solutions."

# LOAD-OUT OF HEAVY MODULES BY SARENS IN JOHOR, MALAYSIA

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18 Aug 2023

## Load-Out of Heavy Modules by Sarens in Johor, Malaysia

Topics: breakout jacks, CPCIC 2K408W, Jerun A jacket, Jerun Field Development, Jorun, Malaysia, Malaysia Marine and Heavy Engineering, Strand Jacks, submersible pumps

Sarens was asked by their client Malaysia Marine and Heavy Engineering to skid, and load-out heavy modules for the EPCIC 5K408W Jerun Field Development Project at the Malaysia Marine and Heavy Engineering West Yard (MMHE) in Johor, Malaysia.

The greatest challenge was the tide restriction which considerably reduced the operation window. Sarens also had to provide full contingency for the skidding equipment and ballast systems. Detailed planning and precise engineering calculations were done by the team prior to the execution to minimise the risk and meet the timeline.

Additionally, Sarens proposed backup systems for contingency. The teams also installed the secondary strand jack at Dead Man Anchor other than the usual anchor block to ensure that they could meet the timeline within the critical tidal conditions.

For the project, the Sarens crew used:

- 8 Strand jacks with a capacity of 588t (4 as primary and four as backup)
- 44 submersible pumps
- 4 800t breakout jacks
- A set of ballast/tide/barge monitoring and ballast tank sounding equipment

The equipment was swiftly moved from Vietnam to complete the time-sensitive project. Project Manager, Rizuan Jamiran stated, "As a result of good coordination within each department, the equipment arrived at the MMHE yard in 10 days." He adds, "Within next 10 days, Sarens installed 8

## SARENS HELPS CONSTRUCT LARGEST BLAST FURNACE IN INDIA

### Sarens Helps Construct Largest Blast Furnace in India

*Sarens deployed its 1.600MT-capacity crawler lattice boom crane and lifting tackles to lift two blast furnaces and one 512MT tower module for Tata Steel Limited*

Working on the biggest and boldest projects in the world is Sarens—the reason why we were proud to help Tata Steel Limited construct the largest blast furnace in India. As part of this operation, Sarens deployed our 1.600MT-capacity crawler lattice boom crane and lifting tackles to lift two blast furnaces and one 512MT tower module. Sarens also provided heavy lift planning and supervision throughout the operation. To date, this has been the heaviest single lift ever performed at the Tata Steel plant, which is currently under construction in Kalinganagar, Odisha, an eastern Indian state on the Bay of Bengal.



The powerful Demag CC8800 crawler crane lifted the heaviest component, a 512MT tower module, at a working radius of 32 metres while maintaining a minimum 29-metre elevation. To execute the lift successfully, Sarens marked the module and shell assembly area near the crane and carefully planned for the sequence of lifts, rigging the crane in SSL configuration with a 102-metre main lattice boom.

The crawler crane travelled approximately 2,000 km to the worksite, with a total of 98 trailers undertaking a journey that spanned 30 days. Once at the work site, the crane was ready within 15 days and has remained there for the past 36 months. "Six crew members were responsible for the success of the on-site lifting operation," says Samrat Bhatnagar, Depot Head at Sarens.

"Sarens brings its global expertise and localised solutions to serve the steel sector in India," says Arun Savanur, Sarens Regional Director - South Asia. "I would like to congratulate everyone involved in the successful delivery of the crane and ongoing heavy lifts. I would also like to thank the client for their collaboration. We are looking forward to some interesting and challenging heavy lift projects in South Asia in the near future." Sarens also won the best business partner award for supporting innovation during the construction phase of the blast furnace project at Tata Steel's Vendor's Conclave 2022.

■ LIFTING & SPECIALIZED TRANSPORT, JULY – AUGUST 2023



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# SARENS ASSISTS IN INSTALLATION OF STORM TRAP IN BURLINGTON, ONTARIO



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## Sarens assists in installation of storm trap in Burlington, Ontario

September 19, 2023  
By Canadian Consulting Engineer

The project aims to help the government of Ontario maintain stricter control over the level of water falling during storms.



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## POWERS THROUGH 41 HEAVY LIFTS IN ADANA, TURKEY

# CRANES TODAY



### GLOBAL WIND PROJECTS AND GLOBAL CRANE SERVICES EXPAND THEIR CRANE FLEET WITH A LIEBHERR LC 1750

Beyond LC 1750 Global Crane's fleet for wind power and infrastructure projects, also as a heavy-duty tool for port and industrial work. The LC 1750 crane leverages mobile crane solutions for advantages of tower and mobile cranes, along with Liebherr's



### SPANNED STORY DESPITE AN EARTHQUAKE, WIND, AND RAIN, SARENS POWERS THROUGH 41 HEAVY LIFTS IN ADANA, TURKEY

With careful equipment and adjustment, Sarens successfully lifted heavy with the crane.

SARENS WORKS AT THE GREEN ENERGY PROJECT IN FRANCE

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Reviewed Story  
**SARENS WORKS AT THE GREEN ENERGY PROJECT IN FRANCE**



SARENS COLLABORATES WITH SCATEC IN SOUTH AFRICA

# CRANES TODAY



**ALL TERRAINS HELP HOSPITAL UPGRADE**

Crane all terrain helps Equinox hospital expansion



**SARENS COLLABORATES WITH SCATEC IN SOUTH AFRICA**

Sarens signs a contract with Scatec for offloading and installation of the 1000-tonne formwork for the 2nd floor

**MANAGING RESTRICTING HIGH TIDE CONDITIONS, SARENS SKIDS, AND LOADS OUT MODULES IN MALAYSIA**



**CRANES** TODAY

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**NEW FLAT TOP MODEL FROM WOLFFKRIEGER**

Wolffkrieger Crane, consist of 240t capacity, automatic manufacturer's flat top beam...



**Featured Story:**  
**MANAGING RESTRICTING HIGH TIDE CONDITIONS, SARENS SKIDS AND LOADS OUT MODULES IN MALAYSIA**

Discover how in the Malaysian Marine and Heavy Engineering Plant used to deliver its... and load out modules.

## GRANDE PREMIÈRE EN FRANCE POUR LA SCG90 DE SARENS



GROUPE PRESSE SPÉCIALISÉ – LEVAGE, MANUTENTION, TRAVAIL EN HAUTEUR, TRANSPORT

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### GRANDE PREMIÈRE EN FRANCE POUR LA SCG90 DE SARENS

📅 20 JUILLET 2023 🧑‍💻 REDACTION

La grue treillis SCG90, dénommée Little Céleste, de Sarens a déposé les deux anciens ponts ferroviaires de Chartres et Gallardon à Massy, en Essonne. Une opération exceptionnelle et une grande première en France pour cette grue parmi les plus puissantes au monde ! Autre atout : elle est électrique !

#### MANUMAG N°31 EN LIGNE



#### MANUMAG N°30 EN LIGNE



# IN MASSY, A GIANT CRANE FOR CENTURY-OLD RER BRIDGES

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What's new | CRANE | IN MASSY, A GIANT CRANE FOR CENTURY-OLD RER BRIDGES

## In Massy, a giant crane for century-old RER bridges

FRANCOIS WILLET | CRANE | TOWER CRANE | QUICK MOUNT CRANE | 360° ROTARY CRANE | 360° ROTARY CRANE | CRANE FOR CRANE | TRIPLEX CRANE | CONSTRUCTION SITE | PUBLISHED 02/06/2018 02:01:00 GMT+1

FRANCOIS WILLET | IN MASSY | TWITTER | 80000 €

The Sarens teams are in the process of assembling the giant crane which will replace the Chartres bridge, on line B, and the Gallardon bridge, on line C, each weighing 840 tonnes.



The base of the SGC90 crane is assembled on the ground before being moved to the location for the new bridges. © SARENS

### THE LATEST USED Trucks and Halted crane carriers



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We call her *Little Celeste* but there's really nothing small about her! The SGC90 crane from Sarens, nicknamed after the daughter of one of the members of the Belgian family group specializing in heavy lifting, is slowly taking shape in Massy (Evry) along the Hb1 B and C tracks which, in the summer, will remove two railway bridges and put in place replacement infrastructure.

### Replacement required

The Chartres bridge, on line B, and the Gallardon bridge, on line C, are both centuries old and their 840 tonnes of metal (each) suffer from corrosion and disorders in the piers. The repairs are no longer

# PONTS DE CHARTRES ET GALLARDON À MASSY : UN CHANTIER À L'ORGANISATION SANS FAILLE



## travail sécurité

PARCOURS LA PRESSION

prévenir les risques, assurer l'absence de dommages à la fois à l'ouvrage et à l'environnement, et pas seulement aux règles de sécurité. Notre politique interne est de former tous nos compagnons y compris les intérimaires à l'utilisation des outils électroportatifs. Nous avons donc organisé des sessions supplémentaires afin que tous puissent être formés et évalués. En fonction des résultats de l'évaluation de chacun, le chef de chantier donne l'autorisation ou non d'utiliser de l'électroportatif. »



Le GTC 90 assemble Little Coléole. Son poids total de 4 400 t – dont 2 700 de contrepoids – est réparti sur une flèche de 100 m de longueur. – © Philippe Dumas pour l'Inra/3023

Au printemps 2020, tout était fin prêt pour accueillir la pièce maîtresse du chantier sans laquelle rien aurait pu se jouer : la guee SSC-90 (Sarens Giant Crane), assemblée « Little Coléole » par les opérateurs de l'entreprise Sarens. D'un poids total de 4 400 t – dont 2 700 de contrepoids – et dotée d'une flèche de 100 m de longueur, cette gigantesque guee à mont en treillis peut soulever jusqu'à 1 400 t à 60 m, à l'aide de quatre treillis disposant chacun d'un filon de câble d'un diamètre de 52 mm et moulé six fois. Son installation a nécessité sept semaines. Pas moins de 200 camions ont acheminé l'intégralité des éléments de la guee sur le site et trois autres guees, plus petites, ont été installées pour réaliser son assemblage final. « Pour accueillir un tel mastodonte, nous avons dû construire un ancrage en béton de 25 m de diamètre – constitué de 64 pieux et 700 m<sup>3</sup> de béton – afin qu'elle puisse reposer dessus en toute sécurité », précise Guillaume Cudréin.

Le choix des engins n'a pas non plus été dicté au hasard. Pour optimiser les flux, limiter le nombre de véhicules circulant au même endroit, les interférences et les risques liés à la


## LA PLUS GRANDE GRUE DU MONDE EST ARRIVÉE CE JEUDI À CHERBOURG

**3** normandie

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# La plus grande grue du monde est arrivée ce jeudi à Cherbourg



"Big Benny", la plus grande grue du monde (archives 2011) • © Sarens group


Écrit par LQ

Publié le 26/03/2013 à 18h08 Mis à jour le 19/06/2020 à 13h46

**"Big Benny", la plus grande grue du monde, est arrivée ce jeudi matin à 5 heures à Cherbourg (Manche) par bateau. Elle vient de Chine. Elle sera installée sur le chantier de l'EPR.**

Ne vous attendez pas à voir surgir la grue dans le Port de Cherbourg. Elle est

# TECHNIP ENERGIES, YOUNG CHANG, AND SARENS JOIN FORCES FOR KOREAN FLOATING OFFSHORE WIND PROJECTS




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**TECHNIP ENERGIES, YOUNG CHANG, AND SARENS JOIN FORCES FOR KOREAN FLOATING OFFSHORE WIND PROJECTS**

Technip Energies, Young Chang, and Sarens signed a Memorandum of Understanding (MOU) to collaborate on building offshore wind projects off the coast of South Korea.

# IN LANDMARK PROJECT, SARENS REPLACES RAILWAY BRIDGE SECTIONS IN FRANCE

## CRANES TODAY

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Fleet of Luffing Jib & Saddle Jib Tower Cranes



**THE FIRST TADANO GT-800XL-2 IN THE USA**

Photo: David Sims, Crane & Equipment Co. - photo: david.sims@ce.com



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### 10 TAIN CRANES ON UK'S LONGEST RAIL BRIDGE

11 Palfinger building the new railway bridge as part of HS2 project



### SARENS MANEUVERS AND INSTALLS THE ZAVENTEM HENNEAULAAN BRIDGE IN RECORD TIME

Sarens moves and installs 100T bridge in Zaventem. Biggest movement of the world's largest bridge with minimum traffic disruption.

# BREAKING NEW FRONTIERS: SARENS PERFORMS MAJOR LIFTS AND LOAD-OUT FOR THE FIRST PILOT FLOATING WIND FARM IN FRANCE



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**BREAKING NEW FRONTIERS: SARENS PERFORMS MAJOR LIFTS AND LOAD-OUT FOR THE FIRST PILOT FLOATING WIND FARM IN FRANCE**

Specialized heavy lifts, weights, and loads are being hoisted in France.

# SARENS ACQUIRES SHARES FROM ZANETTI SOLUTION

## CRANES TODAY



### SCHIMMBAUER INSTALLS SILO

Schimmbauer LTM 1850 S.7 mobile tower cranes take designed to reduce effort at  
- Concrete cement plant



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### SARENS ACQUIRES SHARES FROM ZANETTI SOLUTION

Zanetti Solutions has reached an agreement with Sarens according to which Sarens will acquire shares in the 70-year-old Italian company that specializes in innovation and highly customized solutions.

# EEW SPECIAL PIPE CONSTRUCTIONS' MONOPILE LIFTING GANTRIES DESIGNED BY SARENS

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11 Aug 2022

## EEW Special Pipe Constructions' Monopile Lifting Gantries Designed by Sarens

Topic: EEW Special Pipe Constructions GmbH, Germany; Wieg monopilas, Rostock, Sarens

Sarens recently completed a project on behalf of client EEW Special Pipe Constructions GmbH, experts in producing monopiles that serve as foundation piles for offshore wind turbines.

So that EEW SPC could offer their clients greater flexibility from their yard in Rostock, Germany, they asked Sarens to engineer a solution for lifting monopiles from their transport combination and into clients' cradles. These cradles are designed to support and secure the monopiles on deck carriers during transfer at sea.

Because of our previous experience on projects like Fecam, Sarens was able to design a flawless solution that would fit EEW SPC's needs like a glove.

The main challenge to address was that each monopile had different dimensions, weighing between 375t and 1.900t with a 23m - 85m length and diameter variation between 8m - 9,75m. To accommodate every possible type of monopile, Sarens designed a system with two gantries capable of lifting 1.900t. The two gantries were engineered to a height of 24m and width of 25m, and positioned atop two tracks of steel mats. Each was equipped with two 650t strandjacks connected to a spreader bar to handle all possible monopile diameters.

So that the lifting system could be adapted to the required longitudinal lifting position for each monopile, one gantry was designed to be moved via SPMTs. This ensured a maximally flexible system for handling differently sized monopiles.

A key challenge Sarens had to address during the design phase was the time pressures inherent in such projects: the team had to minimise time used in execution as installation vessels would be waiting. As a result, Sarens engineered a time-saving system that would connect and disconnect the slings in a very short time. Sarens engineers worked closely with senior operational colleagues to find the best possible

# SARENS ASSIST KEPPEL SEGHERS ON IWMF PHASE 1 IN HONG KONG

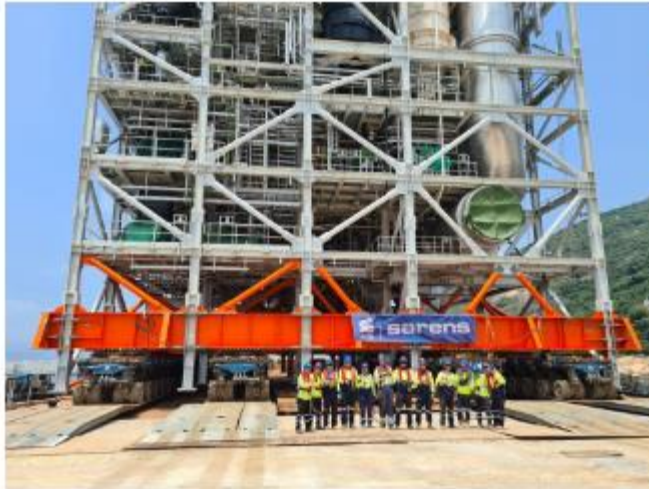
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14 Aug 2023

## Sarens Assist Keppel Seghers on IWMF Phase 1 in Hong Kong

Topic: China, COOEC Fluor Heavy Industries Ltd, flatdeck barge, Hong Kong, Integrated Waste Management Facilities, IWMF, Keppel Seghers Hong Kong Limited, Phase 1, Sarens, Shek Kwu Chau, SPMTs, weighing jacks, Zhen Hua Engineering

Sarens performed the weighing, load-out, and sea transport of modules for the Integrated Waste Management Facilities (IWMF) Phase 1 in Hong Kong.

The IWMF is Hong Kong's first integrated waste management facility for municipal solid waste. As a key part of Hong Kong's waste management strategy, it is able to reduce the total volume of waste treated at the facility by more than 90%, thus extending the lifespan of landfills.

Keppel Seghers Hong Kong Limited (Keppel Seghers HK) and Zhen Hua Engineering Co. Ltd. (Zhen Hua) won the contract to design, build, and operate the Integrated Waste Management Facility (IWMF) off the coast of Shek Kwu Chau, Hong Kong.

Keppel Seghers trusted the heavy lift specialist Sarens to assist barge transport, load-out, and weighing of over 17 modules from the fabrication yard in China to the installation site in Hong Kong.

The team had to meticulously plan and optimise the mobilisation and cross hiring of equipment to efficiently manage the movement, time, and cost considerations across the two project locations. The equipment used:

- 216 axle-lines of SPMTs
- 32 weighing jacks
- A 140m semi-submersible barge
- A 120m flatdeck barge

17 modules were loaded out from the COOEC Fluor Heavy Industries Ltd build yard in China and transported on barges by sea to Hong Kong. The modules included:

- Six prefabricated modules weighing 6000t each
- Six prefabricated modules weighing 2500t each

# SARENS LIFTING BEAMS ON ICONIC AL HADARAT BRIDGE PROJECT IN CAIRO

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15 Aug 2023

## Sarens Lifting Beams on Iconic Al Hadarat Bridge Project in Cairo

Topics: Al Hadarat Bridge, Arab Contractors, Cairo, CC2600H crane, CC4800 crane, Sarens

Sarens is proud to have helped construct what will be one of the highest bridges in Africa, the Al Hadarat Bridge in Cairo. Over the course of several weeks, Sarens completed two triumphant lifting operations on behalf of Arab Contractors, bringing the bridge project closer to completion.

Sarens first lifted and installed eleven 150t, 41m steel beams. For this, the crew used a CC4800 crane in

# SARENS PSG FORMS JOINT VENTURE WITH AVENTUS ENERGY



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31 Aug 2023

## Sarens PSG forms Joint Venture with Aventus Energy

Topics: Aventus Energy, fewer interfaces, integrated port marshalling, minimised project risk, offshore wind sector, reduced costs, Sarens PSG, Scotland

Sarens PSG has announced the formation of a joint venture with Aventus Energy. Together they will offer an integrated port marshalling service to the offshore wind sector, with the aim of delivering a package of services from a single source with fewer interfaces, reduced costs, and minimised project risk.

Our Managing Director, Steve Clark, said: "This is a significant development for Sarens PSG and Aventus Energy. Bringing the expertise and capabilities of both companies together to provide a single integrated contract model is unique in the wind energy sector and we hope the move is well received by the market. It will also create huge potential for the local workforce to be involved in the delivery of some of the largest capex projects in Scotland's history."

Source: 

# OUT WITH THE OLD AND IN WITH THE NEW – SARENS TECHNICAL SOLUTIONS & ENGINEERING TEAM REPLACE PIPE CROSSING AT TATA STEEL

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15 Sep 2023

## Out With the Old and In With the New – Sarens Technical Solutions & Engineering Team Replace Pipe Crossing at Tata Steel

Topic: AC500, AMC NV, Urmuiden, LTM1650, pipe crossing, Pipe Rack, Sarens Technical Solutions and Engineering, Tata Steel, the Netherlands

The Sarens Technical Solutions & Engineering team is proud to have helped client AMC NV exchange a pipe crossing for Tata Steel's IJmuiden works in the Netherlands. At this site, approximately 7.5 million tonnes of hot and cold rolled coil is produced each year.

Here, Sarens was entrusted with a project that would require a special in-house designed and engineered solution, namely a lifting tool/frame capable of moving a pipe crossing out of and into the pipe rack. To successfully implement this objective, Sarens deployed two AC500s and one LTM1650 main boom crane. The equipment was delivered via trailer from Sarens NL and assembled within a day at the Tata site.



# SARENS SIGN WITH SCATEC FOR OFFLOADING AND INSTALLATION OF 456 BATTERY ENERGY STORAGE SYSTEM UNITS IN SOUTH AFRICA

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18 Sep 2023

## Sarens Sign with Scatec for Offloading and Installation of 456 Battery Energy Storage System Units in South Africa

Topic: hybrid solar farm, Kenhardt, Medium Voltage Power Station, offloading and installation, Renewables, Sarens, Scatec, South Africa

In March 2023, the Sarens team in South Africa signed a contract with their trusted client Scatec for the offloading and installation of 456 BESS (Battery Energy Storage System) units and 90 Medium Voltage Power Station (MVPS) units within the battery storage area for a hybrid solar farm in Kenhardt, South Africa. The project is one of the first Risk Mitigation IPP procurement programmes (RMIPPPP) in execution phase.

"We are thrilled to be at the forefront of this operation as it opens our horizons in the renewables sector. Solar (I think 'Renewables' is a better word?) is a sector that can bring immense changes for the best on our planet, and we are dedicated to helping it grow with whatever we can do as referenced heavy lifting and engineered transport solutions and service provider globally", stated Tim Blesemans.

The project is expected to be completed by the end of 2023 and will supplement the power grid of the country with 540MW of installed capacity.



The signing ceremony was held in Cape Town. Sarens was represented by Hendrik Sarens, Director, Tim Blesemans, Regional Director of Southern Africa and Christo van der Merwe, Depot Manager - Renewables & Special Projects.

### Featured Ritle photograph

Scatec Battery Energy Storage unit (courtesy of Scatec)

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# SARENS IN CANADA

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19 Sep 2022

## Sarens in Canada

Topics: Ayr Ontario, Cambridge Ontario, Hamilton Ontario, Leduc Alberta, LG1700, Sarnia Canada, Sarnia Ontario, Toronto Ontario, Vancouver BC, Wind Projects

For over a decade, Sarens has been expanding its presence across Canada, starting with the acquisition of Canada Crane in 2011 and continuing with the subsequent rebrand to Sarens Canada Inc. in 2014. Since then, Sarens Canada has proudly participated in several landmark projects, including:

- Multiple wind turbine projects across Canada,
- New petrochemical and oil plant construction,
- Plant expansion and maintenance projects,
- Multiple refinery shutdowns.

Today, Sarens Canada boasts branches across the country and serves a variety of sectors, especially wind energy, oil & gas, and civil infrastructure. Clients trust Sarens Canada for complex project engineering as well as daily equipment rental from its well-established fleet.

With its state-of-the-art shop and offices in Leduc, Alberta, Sarens is strategically positioned to support northern Alberta in Fort McMurray, Grande Prairie, and other sites; a vast number of wind turbine projects in southern Alberta; and clients across Saskatchewan and Manitoba. Continually opening new branches, Sarens has also expanded its reach across British Columbia and Ontario:

- Ayr, Ontario - Opened in 2018.
- Vancouver, BC - Opened in 2019 to serve the greater Vancouver area and beyond.
- Toronto, Ontario - Satellite



# HUGE WIND ENERGY SECTOR TRANSPORT PROJECT FOR SARENS FROM CHINESE BORDER TO UZBEKISTAN VIA KAZAKHSTAN

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28 Sep 2023

## Huge Wind Energy Sector Transport Project for Sarens from Chinese Border to Uzbekistan via Kazakhstan

Topic: 1GW wind power project, ACWA Power, Bukhara, Faymonville MultiMAX, Faymonville TeleMAX, Mercedes-Benz Arocs, Sarens, Uzbekistan

Sarens was asked by their client to provide the transport of wind turbine generator (WTG) elements for ACWA Power's 1GW wind power project in Bukhara, Uzbekistan. The sections have to be transported from the border of China to Bukhara region in Uzbekistan via Kazakhstan.

158 sets of WTGs sections, four transformers, and special lifting tools have to be delivered within 18 months via a challenging terrain en route. Each WTG set contains:

- Four tower sections with a maximum weight of 96t
- Three blade sections of 29t each
- One hub section weighing 44t
- One nacelle section weighing 129t

To rise to the challenge, Sarens worked out the transport plan in detail. Given the magnitude of the project, new fleet items were recruited. We invested in state-of-the-art technology, opting wherever possible for the greenest technology available.

- 25 Faymonville TeleMAX for blades
- 32 Faymonville MultiMAX trailers for towers S2, S3 and S4
- 11 Faymonville MultiMAX trailers with cranked axles for S1 tower
- 32 Mercedes-Benz Arocs 3358LS 6x4 trucks with latest EURO-VI emission technology

All trailers and trucks were delivered from Europe to Almaty, Kazakhstan, via road, sea, and railway in a record 30-day window frame. All the Faymonville trailers were delivered in ready-to-use condition. Challenges faced and addressed by Sarens included the custom requirements of three different

# SARENS, HERBOSCH-KIERE AND DE MEYER JOIN TO REMOVE THE DAMAGED HUMBEEK BRIDGE – GALLERY

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21 Sep 2023  
**Sarens, Herbosch-Kiere and De Meyer Join to Remove the Damaged Humbeek Bridge – Gallery**

Topic: De Meyer NV, Herbosch-Kiere, Humbeek bridge, Josef-Rosa, Sarens, Sarens Technical Solutions & Engineering, Zeekanaal

Together with Sarens and De Meyer NV, Herbosch-Kiere acted swiftly to remove the bridge over the Zeekanaal in Humbeek after a barge collided with the bridge on 29 June. The bridge deck moved 4m and the structure of the bridge was also hit. The dimensions of the bridge are:

- Length: 40m
- Width: 16m
- Weight: 140t

Sarens Technical Solutions & Engineering worked over the weekend to prepare their barge Josef-Rosa and sail it from Ghent to Willebroek for preparations. This particular barge was chosen because it needed to pass a 19,5m wide bridge in Willebroek, and it measured only 19m wide.



# SARENS COMPLETES FIRST TCI WIND ENERGY PROJECT FOR CLEAN MAX ENVIRO ENERGY SOLUTIONS IN INDIA

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22 Sep 2023

## Sarens Completes First TCI Wind Energy Project for Clean Max Enviro Energy Solutions in India

Topics: Babra, Clean Max Enviro Energy Solutions, Coax, EN3.3MW, Gujarat, India, Installation, Sarens, Transport

Sarens announced its complete TCI (Transport, crane, and installation) package for the Indian market in 2022 and in May this year they have successfully completed the first TCI project in India for their client Clean Max Enviro Energy Solutions Pvt. Ltd in Babra, India.

As part of the project the team had to lift sixteen EN3.3MW 140mHH WTGs from the factory to site storage yard, unload them at the storage yard, transport to the site location, unload, and finally erect the WTGs.

The challenging project required precise planning and powerful equipment to provide a specialized TCI service package to the client.

A Sany 800A with HJFDB\_5\_150 Main boom +12m Fly jib configuration was selected as the main crane as it can easily lift critical weight safely. Its high efficiency and ease of assembly made it the ideal crane for the project.

The equipment was taken to the site from Gujarat and assembled in approximately two days. According to the Sarens Associate VP Wind, Saravanan K, "The team faced various obstacles and challenges during WTG logistics but our operation experts handled it with proper risk assessment and mitigation plan."

The WTG components including tower shell, nacelle, hub, and blades were transported and erected. The nacelle weighing 90t was lifted at a height of 140m. More than 40 personnel were involved in the transportation phase, around 7 personnel for off-loading, and 14 personnel for lifting and installation, working day and night.

# SARENS INSTALL ROAD BRIDGE OVER RAILWAY IN LUXEMBOURG

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21 Sep 2022

## Sarens Install Road Bridge over Railway in Luxembourg

Topics: 32 SPMT axle lines, Bridge installation, CS250 climbing system, LR11000 crawler crane, Luxembourg, overhead power lines, railway, Schieren, Techno-Métal Industrie

When client Techno Métal Industrie needed to perform a complex new bridge installation over the railway in Schieren, Luxembourg, they turned to Sarens for equipment and expertise.

The main challenge the team faced was that the 700t bridge would have to be installed over the railroad during a closure, but without ever entering the railway area. Furthermore, no rails or overhead power lines could be removed, which meant that every piece of equipment had to be transported and lifted from the sides of the railway.

To perform this challenging lift, Sarens used 32 SPMT axle lines and the Sarens CS250 climbing system on one side of the railway, and an LR11000 crawler crane and CS250 system on the other side.

The LR11000 was configured with a 66m main boom and 430t superlift. It took five days to build and was on-site for less than two weeks, including assembly and disassembly. One of the challenges the crew faced was assembling it on a very small footprint close to a downward slope.

With the equipment in place, the operation could begin.

To offload and transport the bridge, the crew first used two SPMTs to bring the bridge within range of the LR11000. 25% of the weight was then transferred to the crane, one set of SPMTs was removed, and the bridge was driven closer to the crane. Next, the SPMT was repositioned so that both the crane and SPMT had 50% of the weight. This enabled the bridge to be moved even closer to the crane, towards its final location. When in position, the bridge was set down onto the CS250 climbing system and jacked down to the correct height. This final step was achieved over two weekends.

To lift the bridge, the crew started with 177t at 53,5m, booming up to 36,5m, where the load in the hook was increased to 352t at 36,5m by repositioning the SPMTs. Finally, the crane crawled backwards and boomed up to set down the bridge at a radius of 18 metres.

Throughout the installation, the SPMTs below the bridge had to be repositioned several times to their next support location. Every support location was carefully selected to guarantee that the load on the crane and SPMT remained below capacity.

Sarens is pleased to have helped their client complete a successful project, and proud to be leading the

# SARENS COLLABORATES WITH SCATEC IN SOUTH AFRICA



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## Sarens Collaborates With Scatec In South Africa

10 September 2023  
 3 min read

Sarens signs a contract with Scatec for offloading and installation operations at the hybrid solar farm in Kenhardt, South Africa



Last March 2023, our Sarens team in South Africa signed a contract with our trusted client Scatec for the offloading and installation of 456 BESS (Battery Energy Storage System) units and 90 MWp units within the battery storage area for a hybrid solar farm in Kenhardt, South Africa. The project is one of the first RMBPPP in execution phase. The signing ceremony was held in Cape Town. Sarens was represented by Hendrik Sarens, Director, Tim Besemans, Regional Director of Southern Africa and Christo van der Merwe, Depot Manager - Renewables & Special Projects.

"We are thrilled to be at the forefront of this operation as it opens our horizons in the renewables sector. Solar (I think 'Renewables' is a better word!) is a sector that can bring immense changes for the best on our planet, and we are dedicated to helping it grow with whatever we can do as referenced heavy lifting and engineered transport solutions and service provider globally", stated Tim Besemans.

The project is expected to be completed by the end of 2023 and will supplement the power grid of the country with 540MW of installed capacity.



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# MANAGING RESTRICTING HIGH TIDE CONDITIONS, SARENS SKIDS, AND LOADS OUT MODULES IN MALAYSIA

## Managing Restricting High Tide Conditions, Sarens Skids, And Loads Out Modules In Malaysia

11 September 2023  
1 min read

Sarens works at the Malaysia Marine and Heavy Engineering West Yard in Johor to skid, and load-out modules



Sarens was asked by our client Malaysia Marine and Heavy Engineering to skid, and load-out heavy modules for the EPC/EPCW Jerun Field Development Project at the Malaysia Marine and Heavy Engineering West Yard (MMHE) in Johor, Malaysia.

The greatest challenge was the tide restriction which considerably reduced the operation window. Sarens also had to provide full contingency for the skidding equipment and ballast systems. Detailed planning and precise engineering calculations were done by the team prior to the execution to minimise the risk and meet the timeline.

Additionally, Sarens proposed backup systems for contingency. The teams also installed the secondary strand jack at Dead Man Anchor other than the usual anchor block to ensure that we meet the timeline before the tide comes down.

For the project, our crew used:



- 8 Strand jacks with a capacity of 500T (3 out as primary and four as backup)
- 44 submersible pumps
- 4 800T breakout jacks
- A set of ballast/tide/berge monitoring and ballast tank sounding

The equipment was swiftly moved from Vietnam to complete the time-sensitive project. Project Manager, Hieu Van Lamien stated, "As a result of good coordination within each department, the equipment arrived at the MMHE yard in 10 days." He adds, "Within next 10 days, Sarens installed eight strand jacks and 44 submersible pumps, functionally tested all the equipment, and was ready for the operation two days ahead of schedule."

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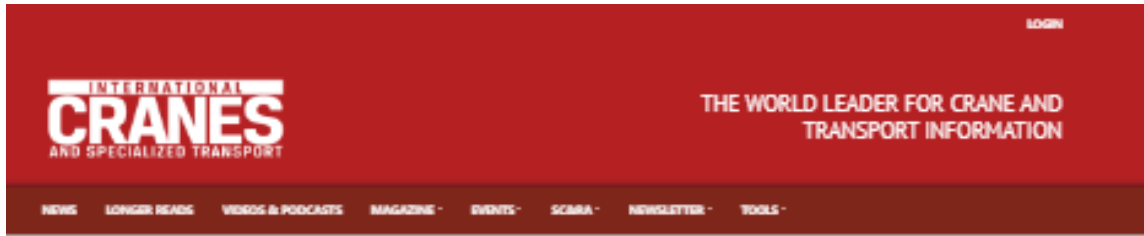
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# SARENS WORKS AT THE FIRST INTEGRATED WASTE MANAGEMENT PROJECT IN HONG KONG

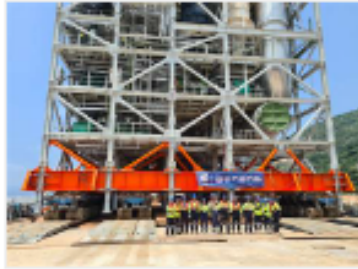


## Sarens Works At The First Integrated Waste Management Project In Hong Kong

04 September 2023  
2 min read

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Sarens performs weighing, load-out, and sea transport of modules for the Integrated Waste Management Facilities (IWMF) Phase 1 in Hong Kong.



The IWMF is Hong Kong's first integrated waste management facility for municipal solid waste. As a key part of Hong Kong's waste management strategy, it is able to reduce the total volume of waste treated at the facility by more than 90%, thus extending the lifespan of landfills.

Keppel Seghers Hong Kong Limited (Keppel Seghers HK) and Zhen Hua Engineering Co. Ltd. (Zhen Hua) won the contract to design, build, and operate the Integrated Waste Management Facility (IWMF) off the coast of Shek Kwu Chau, Hong Kong.

Keppel Seghers trusted the heavy lift specialist

Sarens to assist barge transport, load-out, and weighing of over 17 modules from the fabrication yard in China to the installation site in Hong Kong.

The team had to meticulously plan and optimise the mobilisation and cross hiring of equipment to efficiently manage the movement, time, and cost considerations across the two project locations. The equipment used:

- 216 axle-lines of SPM's
- 32 weighing jacks
- A 140m semi-submersible barge
- A 120m flatdeck barge

17 modules were loaded out from the CODEC Fluor Heavy Industries Ltd build yard in China and transported on barges by sea to Hong Kong. The modules included:

- Six prefabricated modules weighing 6000t each
- Six prefabricated modules weighing 2500t each
- Five prefabricated modules having maximum weight of 500t

These modules were then loaded in at the newly-built artificial island in Hong Kong waters. The temporary steel casing around the modules was removed and replaced with the permanent steelwork, followed by installation on the foundations.

According to the Project Manager, Heather Crockett, "The artificial island was a reclaimed site. Therefore, it was challenging to work on the quay arrangement with variable ground conditions." She adds, "The environment was not fully understood and some parts of the IWMF were difficult to install and maintain."



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# SARENS ASSISTS WITH RENOVATION OF HENGYUAN REFINERY'S OIL PLANT

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Home / Refining / 14 Aug 23 / Sarens assists with renovation of Hengyuan Refinery's oil plant

## Sarens assists with renovation of Hengyuan Refinery's oil plant

Published by Callum O'Reilly, Senior Editor Save to read list

Hydrocarbon Engineering, Monday, 14 August 2023 08:30

**Baker Hughes**

Sarens has announced that it has participated in the renovation and upgrading of facilities at Hengyuan Refinery's oil plant in Port Dickson, Malaysia.

Sarens replaced the E451 heat exchanger with a new unit. For this task, Sarens engineers selected the Liebherr LR750 crane because of its high lifting capacity, with up to 750 t of maximum load, in environments with limited space.

Hengyuan Refining's oil plant currently has the capacity to produce up to 156 000 bpd of petroleum products and is one of the largest in Malaysia. It is one of the oldest in the region as the company was founded in 1960 and started operations in 1963. The plant has a broad product portfolio that includes LPG, jet fuel, gasoline, diesel, sulfur, fuel oil components, and chemical feedstocks such as light naphtha and propylene.

The crane used by Sarens was moved from the Sungai Besi-Ulu Kelang Elevated Expressway (SUKE) project in Kuala Lumpur to Port Dickson, in a logistical operation that required 22 low-floor trailers. The machinery was working at the plant for approximately one month, including crane erection.

The main challenge of the operation was the limited space where the lifting work was required. The site was very crowded and left little room for the crane to manoeuvre. Therefore, the decision was made to use the LR750 model with crane configuration that would be 77 m main boom with SDBW configuration.

Sarens Project Manager for this replacement work, Chaini Mos, explained the main tasks to be performed: "The lifting radius would be approximately 48 m, and the total weight of the equipment to be lifted is 110 t, excluding the mounting accessories and the hook pulley, and the main limitation was space. But with the LR750 and its operability we managed to replace the heat exchanger successfully within the established time frame."

The refinery's main operating units consist of two crude distillers, a long residue catalytic cracker (LRCCU), two naphtha treaters and a merox plant, two reformers and a gas oil treatment plant.

Approximately 85% of the refinery's products are sold in Malaysia, mainly through three channels: the multi-product pipeline to the Klang Valley and KLIA, its truck loading gantry for local customers (West Malaysia), and the export of products to ships through its jetty to East Malaysia and overseas markets.

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## SARENS REPLACES E451 HEAT EXCHANGER AT HENGYUAN REFINERY



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# Sarens replaces E451 heat exchanger at Hengyuan Refinery

August 7, 2023



*\*E451 heat exchanger*

**Lagos** — The plant, currently producing up to 156,000 bpd of petroleum products, has a broad portfolio that includes liquefied petroleum gas (LPG), jet fuel, gasoline, diesel, sulfur, fuel oil components and chemical feedstocks such as light naphtha and propylene.

Sarens has assisted with the plant's refurbishment work by replacing the **E451 heat exchanger** using a crane with a lifting capacity of up to

# NEW BST NBL PHASE II PROJECT WILL HELP IMPROVE MAP TA PHUT'S CARBON FOOTPRINT WITH MORE SUSTAINABLE PROCESSES

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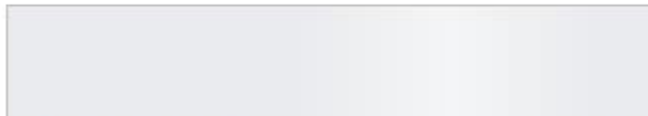
## NEW BST NBL Phase II Project Will Help Improve Map Ta Phut's Carbon Footprint With More Sustainable Processes

The new BST Phase II project will lead to a reduction in CO2 generation, improving the carbon footprint of the Map Ta Phut Industrial zone.

Sarens has participated in the construction of the new plant by carrying out up to 42 lifts of the new modules forming the steel structure, using the CO-6800 crane with a lifting capacity of up to 1250 tons.

The new BST Phase II project, aimed at processing NBL, a synthetic rubber for nitrile gloves, will contribute to the improvement of the Map Ta Phut Industrial area through employment generation and more sustainable practices.

Map Ta Phut is a middle-size city located in eastern Thailand, in the province of Rayong. In 1990, the government officially opened the Map Ta Phut Industrial Estate, a large industrial park focused on petrochemical and related industries. Its activities have been linked to air and water pollution. The BST NBL Phase II project focuses part of its efforts on improving the carbon footprint of the plant, favoring more sustainable operations.



Sarens, world leader in heavy lifting, engineered transport and crane rental solutions, has been involved in this project by providing assistance in the modular installation for the new steel structure being built at the plant. The task consists of lifting and positioning the steel module in its correct location.

The new plant is dedicated to the processing of NBL. This is a synthetic rubber with butadiene as the main raw material. This is the base material for manufacturing nitrile gloves, the primary use of which is located in industries such as healthcare, medical and food.

For this task the Sarens engineering team selected a CO-6800 crane, which has a load capacity of up to 1250 tons. This machine was in the crawler crane configuration in order to be able to make small movements as required to facilitate the lifting of heavy loads. In total, up to 42 modules making up the steel structure have been lifted and placed and stacked one on top of the other according to the client's drawings, which have been Sarens' working guide throughout the entire project, which took approximately 2 months.

The CO-6800 crane used for the project was transported to the work site by trailer and this took 10 days to

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## Botany Rail Duplication will allow 54 trucks to be taken off the road for every freight train

*Sarens has been directly involved in the duplication works with the transport of two concrete girders, weighing 140 and 160 tons respectively.*

NEW SOUTH WALES, AUSTRALIA, August 3, 2023/[ENR.com](https://www.enr.com) -- The duplication of the last 2.9km of rail line between Mascot and Botany by the Australian Rail Track Corporation (ARTC), that's expected to be completed in late 2024, will relieve traffic congestion associated with transport in the area, increasing freight capacity to the equivalent of 54 truckloads per train running.



Sarens worked in the Botany Duplication using their advanced machinery

**“ We knew what we had to do and we had the confidence of our client to execute this job safely. If we had not delivered, our client would have suffered significant delays in their project.”**

— Michiel de Bodt, Sarens

Technical Solutions Sales Manager

According to the NSW Freight and Ports Plan 2018-2023 prepared by the NSW government, the amount of freight to be handled at Port Botany will increase from 14.4 million tons in 2016 to 25.5 million tons in 2036, which would represent a significant increase in road traffic in the area. The Botany Rail Duplication will increase from 20 trains per day in each direction to around 45 in 2030, multiplying freight capacity and reducing the number of vehicles and their environmental impact.

Sarens, world leader in heavy lifting, engineered transport and crane rental services, has been directly involved in the construction work on this project on behalf of John Holland, taking responsibility for transporting two concrete bridge girders, 20 metres long and weighing 160 tons, and 18 metres and 140 tons respectively, for 800 metres along a

public road before bringing them within reach of the crane for installation.

For this project, the Sarens engineering team decided to use 30 axle lines of K24 SPMTs, two powerpack units and an Enerpac SBL1100 gantry system to relocate the two girders. Due to the proximity of Sydney Airport, the Sarens equipment had to be below a hard ceiling of eight metres maximum, which made it impossible to use a crane for the move. It was therefore decided to use the 1,000-ton capacity gantry to safely lift the beams and drive the SPMTs underneath. In total, the team was able to carry out the transport maneuver in just 30 minutes, reducing traffic disruption time on the main road next to the airport.

According to Michiel de Bodt, Sarens Technical Solutions Sales Manager, "projects of this type usually require several weeks of

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Sarens has extensive international experience in the transport of heavy materials over long distances and the lifting and installation for the construction of complex structures. Some of the projects in which Sarens has been involved are the transport of the modules necessary for the expansion of the new platform of the Marjan Oil Field in Saudi Arabia, the extension of the roof of the Anoeta stadium in San Sebastian (Spain), or the redevelopment works of the Roland Garros stadium for the next Olympics in Paris 2024.



Sarens worked in the Botany Duplication using their advanced machinery

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Salvador Hernández



Sarens worked in the Botany Duplication using their advanced machinery

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[Sarens](#), world leader in heavy lifting, engineered transport and crane rental services, has been distinguished in the construction world as the project's preferred partner.



Sarens worked in the Botany Duplication using their advanced machinery



# BOTANY RAIL DUPLICATION WILL ALLOW 54 TRUCKS TO BE TAKEN OFF THE ROAD FOR EVERY FREIGHT TRAIN



The screenshot shows a news article on the Australia Post Observer website. The article title is "BOTANY RAIL DUPLICATION WILL ALLOW 54 TRUCKS TO BE TAKEN OFF THE ROAD FOR EVERY FREIGHT TRAIN". The text describes how Sarens is involved in the duplication works, specifically in transporting large concrete girders. A quote from Michiel de Boodt, Sarens Technical Solutions Sales Manager, states: "We knew what we had to do and we had the confidence of our client to execute this job safely. If we had not delivered, our client would have suffered significant delays in their project." The article also mentions that the duplication will increase freight capacity to the equivalent of 54 truckloads per train running and will reduce traffic congestion and environmental impact. A photo shows Sarens machinery used in the duplication work.

**Australia Post Observer**

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NEW SOUTH WALES, AUSTRALIA, August 3, 2023/[EINPresswire.com/](#) -- The duplication of the last 2.9km of rail line between Mascot and Botany by the Australian Rail Track Corporation (ARTC), that's expected to be completed in late



Sarens worked in the Botany Duplication using their advanced machinery

**“** We knew what we had to do and we had the confidence of our client to execute this job safely. If we had not delivered, our client would have suffered significant delays in their project.”  
— Michiel de Boodt, Sarens Technical Solutions Sales Manager


2024, will relieve traffic congestion associated with transport in the area, increasing freight capacity to the equivalent of 54 truckloads per train running.

According to the NSW Freight and Ports Plan 2018-2023 prepared by the NSW government, the amount of freight to be handled at Port Botany will increase from 14.4 million tons in 2016 to 25.5 million tons in 2036, which would represent a significant increase in road traffic in the area. The Botany Rail Duplication will increase from 20 trains per day in each direction to around 45 in 2030, multiplying freight capacity and reducing the number of vehicles and their environmental impact.

Sarens, world leader in heavy lifting, engineered transport and crane rental services, has been directly involved in the construction work on this project on behalf of John Holland, taking responsibility for transporting two concrete bridge girders, 20 metres long and weighing 160 tons, and 19 metres and 140 tons respectively for 200 metres along a suburban before joining

# BOTANY RAIL DUPLICATION WILL ALLOW 54 TRUCKS TO BE TAKEN OFF THE ROAD FOR EVERY FREIGHT TRAIN

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## Botany Rail Duplication will allow 54 trucks to be taken off the road for every freight train

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NEW SOUTH WALES, AUSTRALIA, August 2, 2023/[EINPresswire.com/](https://www.einpresswire.com/) -- The duplication of the last 2.9km of rail line between Mascot and Botany by the Australian Rail Track Corporation (ARTC), that's expected to be completed in late 2024, will relieve traffic congestion associated with transport in the area, increasing freight capacity to the equivalent of 54 truckloads per train running.

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Sarens, world leader in heavy lifting, engineered transport and crane rental services, has been directly involved in the construction work on this project on behalf of John Holland, taking responsibility for transporting two concrete bridge girders, 20 metres long and weighing 160 tons, and 18 metres and 140 tons respectively, for 800 metres along a public road before bringing them within reach of the crane for installation.

For this project, the Sarens engineering team decided to use 30 axle lines of K24 SPMTs, two powerpack units and an Enerpac SBL1100 gantry system to relocate the two girders. Due to the proximity of Sydney Airport, the Sarens equipment had to be below a hard ceiling of eight metres maximum, which made it impossible to use a crane for the move. It was therefore decided to use the 4,000 ton capacity gantry system to lift the beams and slide the SPMTs underneath. To seal the team was able to transport the



Sarens worked in the Botany Duplication using their advanced machinery

## BOTANY RAIL DUPLICATION WILL ALLOW 54 TRUCKS TO BE TAKEN OFF THE ROAD FOR EVERY FREIGHT TRAIN

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# Botany Rail Duplication will allow 54 trucks to be taken off the road for every freight train



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# BOTANY RAIL DUPLICATION PLANS TO TAKE 54 TRUCKS OFF ROAD PER TRAIN

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## BOTANY RAIL DUPLICATION PLANS TO TAKE 54 TRUCKS OFF ROAD PER TRAIN

Date: 04.08.2023



Under data released in a NSW government freight plan, the impact the rail works will have on the local freight industry has been confirmed

In the latest updates on the ongoing Botany Rail Duplication freight work, estimates about how this will impact the local freight industry have been revealed.

The Australian Rail Track Corporation (ARTC) is continuing to duplicate 2.9km of rail between Mascot and Botany, with work expected to finish at the end of next year.

Under new data ascertained from the NSW Freight and Ports Plan 2018-2023 prepared by the NSW government, increasing rail capacity will take 54 trucks off the road per freight train running.

The plan says freight to be handled at Port Botany will increase from 14.4 million tonnes in 2016 to 25.5 million tonnes in 2036, with the Botany Rail Duplication increasing from 20 trains per day to around 45 in 2030 to cater to this growing demand.

Technical solutions sales manager of Sarens, a company helping construct the duplication, Michiel de Bodt, says the company is continuing to get the work done



ARTC, Botany, rail, duplication, logistics, freight

# SARENS BENOEMT BART MINNEN TOT NIEUWE COUNTRY MANAGER IN BELGIË

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## Sarens benoemt Bart Minnen tot nieuwe Country Manager in België

ALGEMEEN 8 augustus 2023

*De nieuwe Sarens Country Manager voor België heeft een uitgebreide professionele carrière achter de rug met functies met hoge verantwoordelijkheid als verkoopdirecteur of business unit manager in veeleisende industrieën zoals hernieuwbare energie of metallurgie.*

*De benoeming valt samen met een periode van groei bij Sarens, na de overname van 100% van de aandelen en andere vruchtbare overeenkomsten voor het bedrijf.*

Als onderdeel van haar strategie om te groeien en haar activiteiten in Europa te consolideren, heeft Sarens, wereldleider op het gebied van zwaar hijswerk, speciaal transport en kraanverhuur, Bart Minnen aangesteld als de nieuwe Country Manager van haar business unit in België. Minnen zal verantwoordelijk zijn voor het versterken van Sarens' regionale aanwezigheid in het land om haar klanten een betere toegang tot haar diensten te bieden, evenals het verbeteren van de samenwerking en operaties tussen de verschillende depots in het land.

Minnen heeft onder andere gewerkt in de productie van warmtevoelers en drukvaten, als werkplaatsmanager (productieleider) en later als bedrijfsleider. Hij bekleedde ook de functie van KAM (Key Acquisition Manager) en sales manager in een bedrijf gespecialiseerd in de marketing van automatiseringssystemen voor de metallurgische industrie, gericht op de productie van vliegtuigonderdelen, en 5 jaar ervaring als business unit manager in een sector die nauw verbonden is met Sarens, de windmolenindustrie.

Volgens Minnen: "Is Sarens op dit moment een van 's werelds toonaangevende bedrijven in het hijsen en transporteren van zware onderdelen. Maar om die positie te consolideren moeten we meer toegevoegde waarde bieden aan klanten door een sterkere regionale

# NEW FLOATING OFFSHORE WIND FARM TO GENERATE CLEAN ENERGY FOR 45,000 PEOPLE



## NEWS LINE

### New Floating Offshore Wind Farm to Generate Clean Energy for 45,000 People

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Aug 15, 2023 40 views

Source: Maritime Executive

Once inaugurated at the end of 2023, this wind farm will have three 8.4 MW turbines from Siemens Gamesa Renewable Energy, with an installed capacity of 25 MW. Sarens was commissioned by Eiffage Métal for the lifting and assembling of the parts that make up the pyramid-shaped structure and the floating buoys in which the electric turbine is placed, and on the load-out of the infrastructure onto



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## SARENS | EFFICACE SOLUZIONE PER IL TRASPORTO E CARICO DI MONOPALI DELL'AZIENDA EEW SPC



### Sarens | Efficace soluzione per il trasporto e carico di monopali dell'azienda EEW SPC

Sarens ha sviluppato per l'azienda EEW SPC un sistema di gru a cavalletto per il sollevamento di monopali destinati a parchi eolici offshore.



#### Un sistema innovativo e di facile utilizzo

EEW Special Pipe Constructions GmbH, uno dei principali produttori mondiali di monopali, ha commissionato a Sarens lo sviluppo di una soluzione per facilitare il trasporto e il carico di questi componenti – indipendentemente dalle loro dimensioni – nel suo stabilimento di Rostock, in Germania. Il nuovo dispositivo, un innovativo sistema di gru a cavalletto, è compatibile con monopali di peso compreso tra 375 e 1.900 ton, con lunghezze comprese tra 23 e 85 m e diametri compresi tra 8 e 9,75 m, utilizzati come fondamenta per le turbine del parco eolico offshore.

Per raggiungere questo obiettivo, il team Sarens ha progettato un sistema con due carriponte che è stato posizionato su due binari in acciaio per facilitarne il movimento. Ciascuno ha due martinetti da 650 ton, collegati ad una barra di sollevamento, in modo che possano essere adattati per l'uso con qualsiasi diametro di monopalo. Inoltre, affinché il sistema possa essere facilmente adattato alla posizione di sollevamento longitudinale richiesta per ogni caso, uno dei portali è stato progettato per potersi muovere mediante SPMT (Self-Propelled Modular Transporter), garantendo così la flessibilità del sistema per movimentare i monopali secondo le specifiche esigenze che si presentano.

Uno dei principali requisiti affrontati dal team di ingegneri Sarens nella progettazione di questo nuovo dispositivo è stata la necessità di limitare il più possibile il tempo operativo, riducendo così il periodo di attesa delle navi da trasporto nel porto prima di partire per la loro ultima destinazione. A tal fine, Sarens ha progettato un sistema che collega e scollega le imbracature del carico in un tempo molto più breve.



### La construcción se prepara para un aumento en la inversión

julio 25, 2023



De acuerdo con las previsiones realizadas por el BBVA, se espera que al finalizar este año la construcción registre un crecimiento total del 1% en combinación a una bajada de la inflación como cómputo general, lo que abrirá las puertas del 2024 a la recuperación definitiva del sector. Y es que de acuerdo con el Presupuesto de Egresos de la Federación 2023, la Comisión Federal de Electricidad (CFE) se encuentra ya invirtiendo un total de 50 mil millones de pesos en la construcción, mantenimiento y adquisición de equipo para infraestructuras eléctricas.

Esto no hace sino beneficiar enormemente la recuperación de un sector

# SARENS CONTRIBUTES TECHNICAL AND ENGINEERING SKILL TO BELOW-THE-HOOK LOAD TESTING PROJECT

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INDUSTRY NEWS

## Sarens contributes technical and engineering skill to below-the-hook load testing project

By Heavy Equipment Guide Staff — August 30, 2023



Sarens was retained by a client to conduct load testing on equipment that will be used on a construction project. (Sarens)

Lifting and crane rental service [Sarens](#) has put its technical and engineering expertise to work for a client in a unique way - the company aided in testing of below-the-hook devices at its Surrey, B.C., depot.

Sarens was appointed for its knowledge and skill required for load testing of various adjustable spreader bars, beam clamps, and lifting devices procured by the client, who is the prime contractor on a new construction project in the Vancouver area.

Sarens' main assignment and objective was to test the hardware to 125 percent of its structural capacity, verified by the in-house engineer in conjunction with an external engineering firm, prior to its use in the project works. The load tests were carried out over three days and will be performed again in the coming months with the arrival of the balance of the newly manufactured equipment.

Once the lifting equipment has been tested, including assembly and dismantling of the equipment over a total of four days, the next step will be to implement the equipment into the client's planned heavy-lift executions over the next few years.

Sarens used its 500-ton [Liebherr](#) LTM1400-7.1 all-terrain crane (200k CWT and 16 lift line parts to achieve the required capacity for load testing. It used its 100-ton [Tadano](#) (254000) truck-mounted

# SARENS EN LA CONSTRUCCIÓN DE LA ESTACIÓN FINCH WEST



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## SARENS EN LA CONSTRUCCIÓN DE LA ESTACIÓN FINCH WEST



© 10/09/2023

**Sarens, uno de los líderes mundiales en levantamiento pesado, transporte de ingeniería y alquiler de grúas, participó directamente en la construcción de la estación Finch West en nombre de Mosaic Transit, proporcionando maquinaria y equipo de apoyo para la instalación de 30 paneles de techo prefabricados que pesan 3,25 T cada uno por debajo del nivel del suelo.**

La nueva línea de tren ligero, que se inaugurará en 2023, tendrá 11 km de largo con 18 paradas, 16 de las cuales estarán sobre el suelo, y se extenderá desde la nueva estación de metro TCC Finch West en Keele St. hasta Humber College.

Una de las estaciones clave de este proyecto es Finch West Station, en cuya construcción ha participado activamente Sarens con la instalación de 30 paneles de techo prefabricados de 3,25T cada uno bajo rasante.

Sarens aprovechó su amplia experiencia en la inclinación de paneles en Canadá para diseñar un sistema de pórtico patentado para hacer frente al espacio operativo mínimo disponible, reduciendo el tiempo necesario para los cortes de tráfico para las operaciones.

## LAFARGE'S BATH CEMENT PLANT GETS GREENER UPGRADES

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# Lafarge's Bath cement plant gets greener upgrades

August 15, 2023 By Rock to Road Staff



(Photo credit: bathcementplant.com)

BATH, Ont. – Eastern Ontario is getting more sustainable cement solutions, thanks to an update to one of Lafarge's cement plants in Bath, Ont.

The plant is being retrofitted to produce OneCem, an emission-friendly cement product that looks to reduce the carbon footprint of construction materials and projects. The conversion will reduce the plant's carbon output by more than 140,000 tons of carbon dioxide per year.

This redesign has involved the removal and replacement of the plant's kiln dryer, with Belgian heavy lifting company Sarens overseeing this process over the span of one week. Sarens used a crawler crane to help with this procedure.

# SARENS HELPS REFURBISH KILN AT LAFARGE BATH CEMENT PLANT



## Sarens helps refurbish kiln at Lafarge Bath cement plant

Mike Edwards August 11, 2023

News



The kiln dryer replacement project is part of Lafarge's plan to reduce its carbon footprint through a new sustainable policy.

Sarens Canada has participated in the mechanical process of replacing the kiln dryer at Lafarge's cement plant in Bath, ON, by removing the old worn-out kiln dryer and installing the new one.

With more than 100 skilled workers and a sustainability policy that has enabled it to save more than 140,000 tons of CO2 per year, this plant currently produces more than 1.1 million tons of cement annually.

**Sarens**, a Cambridge, ON-based specialist in heavy lifting, engineered transport, and crane rental services, had a one-week deadline to remove the old kiln and transport, lift and install the new one, for which it used a Liebherr LR1600 crawler crane, a model with great power and lifting capacity.

Since its foundation in 1973, the **Lafarge** Bath cement plant has been one of the most important in Canada, according to Sarens. The kiln dryer replacement project is part of the company's plan to reduce its carbon footprint through a new sustainable policy that will enable Lafarge to save more



# SARENS HELPS LAFARGE RETROFIT ITS CEMENT PLANT IN BATH, ONTARIO



ON THE JOB

## Sarens helps Lafarge retrofit its cement plant in Bath, Ontario

August 7, 2020



To provide more eco-friendly building materials to the construction industry in eastern Canada, Lafarge is changing the way it produces cement at its plant in Bath, Ontario.

Since its creation in 1973, the Lafarge Bath Cement Plant has held significant importance in Canada. With more than 100 skilled workers, the plant currently produces more than 3.1 million tons of cement per year.

The Lafarge plant is responsible for supplying cement to several major infrastructure projects that contribute to the growth and development of several local cities.

### Lafarge to create OneCem

Rather than continuing to produce general use cement (GU), the plant is being retrofitted to create OneCem, a product that generates less carbon dioxide.

While production of OneCem generates less CO<sub>2</sub>, its use also reduces the carbon footprint of construction projects. Typically cement represents only 11 per cent of a concrete mix, but it may account for 80 per cent of all energy to produce concrete.

The conversion to OneCem is part of Lafarge's plan to reduce its carbon footprint that will save more than 140,000 tons of carbon dioxide per year.

As part of the Lafarge cement plant retrofit, the kiln dryer required replacement. Sarens was responsible for the removal of the old kiln dryer and the installation of the new unit.

The kiln is the part in charge of drying cement during the manufacturing process, so it plays a key role in cement production going forward.

# NEW FLOATING OFFSHORE WIND FARM TO GENERATE CLEAN ENERGY FOR 45,000 PEOPLE

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## New Floating Offshore Wind Farm to Generate Clean Energy for 45,000 People



PUBLISHED AUG 15, 2023 10:46 AM BY THE MARITIME EXECUTIVE

[By: Sarens]

This is the first floating wind farm in France and is located 17 km off the Gulf of Fos, in the Marseille region.

Once inaugurated at the end of 2023, this wind farm will have three 8.4 MW turbines from Siemens Gamesa Renewable Energy, with an installed capacity of 25 MW.

Sarens was commissioned by Eiffage Métal for the lifting and assembling of the parts that make up the pyramid-shaped structure and the floating buoys in which the electric turbine is placed, and on the load-out of the infrastructure onto the semi-submersible barge in which it travelled to its final location.

The new Provence Grand Large floating offshore wind farm, located 17 km off the Gulf of Fos in Marseille, will have an installed capacity of 25 MW when it's commissioned at the end of this year, equivalent to the energy needs of 45,000 people in one year, as it will be composed by three 8.4 MW turbines manufactured by Siemens Gamesa Renewable Energy.



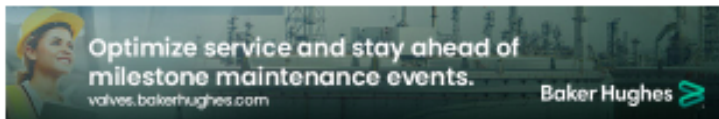
# SARENS ASSISTS WITH RENOVATION OF HENGYUAN REFINERY'S OIL PLANT

## Sarens assists with renovation of Hengyuan Refinery's oil plant

Published by Colm O'Reilly, Senior Editor

Hydrocarbon Engineering, Monday, 14 August 2023 08:30

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Sarens has announced that it has participated in the renovation and upgrading of facilities at Hengyuan Refinery's oil plant in Port Dickson, Malaysia.

Sarens replaced the E451 heat exchanger with a new unit. For this task, Sarens engineers selected the Liebherr LR750 crane because of its high lifting capacity, with up to 750 t of maximum load, in environments with limited space.

Hengyuan Refining's oil plant currently has the capacity to produce up to 156,000 bpd of petroleum products and is one of the largest in Malaysia. It is one of the oldest in the region as the company was founded in 1960 and started operations in 1963. The plant has a broad product portfolio that includes LPG, jet fuel, gasoline, diesel, sulfur, fuel oil components, and chemical feedstocks such as light naphtha and propylene.

The crane used by Sarens was moved from the Sungai Besi-Ulu Kelang Elevated Expressway (SUKU) project in Kuala Lumpur to Port Dickson, in a logistical operation that required 22 low-floor trailers. The machinery was working at the plant for approximately one month, including crane erection.

The main challenge of the operation was the limited space where the lifting work was required. The site was very crowded and left little room for the crane to manoeuvre. Therefore, the decision was made to use the LR750 model with crane configuration that would be 77 m main boom with SDBW configuration.

Sarens Project Manager for this replacement work, Chahni Mos, explained the main tasks to be performed: "The lifting radius would be approximately 48 m, and the total weight of the equipment to be lifted is 110 t, excluding the mounting accessories and the hook pulley, and the main limitation was space. But with the LR750 and its operability we managed to replace the heat exchanger successfully within the established time frame."

The refinery's main operating units consist of two crude distillers, a long residue catalytic cracker (LRCCU), two naphtha treaters and a merox plant, two reformers and a gas oil treatment plant.

Approximately 85% of the refinery's products are sold in Malaysia, mainly through three channels: the multi-product pipeline to the Klang Valley and KLIA, its truck loading gantry for local customers (West Malaysia), and the export of products to ships through its jetty to East Malaysia and overseas markets.

### You might also like



**Samsung Engineering receives FEED contract for Saudi petrochemical project**

14 August 2023

## MAINTAIN TO SUSTAIN



# MAINTAIN TO SUSTAIN

**Andrew Winter,**  
**Sarens, UK,**  
explores the logistics surrounding the LNG industry and its significance in sustaining the European energy system.

**F**or months now, the European energy sector has been immersed in a paradigm shift. Before the conflict between Russia and Ukraine there was an important dependence on Russian gas, with contributions reaching approximately 45% of supply and amounting to more than 160 billion m<sup>3</sup>/yr. The necessity to maintain the supply without Russian energy source has led many countries to look for different kinds of alternatives.

While some countries decided to boost coal-fired thermal power plants back to levels similar to those of 2016, others decided to return to nuclear power plants. This involved heavy investing in the creation of new infrastructure, and holding

plans to dismantle some of the plants whose lifecycles were nearing their end. Such plans are not always environmentally sustainable, and contradict pan-European initiatives to reduce greenhouse gas emissions to net zero by 2050.

Against these trends, there has been significant growth in demand for LNG across Europe over the past year. For example, it is estimated that approximately 18 million households in the UK rely on natural gas, which is also responsible for approximately 40% of all electricity consumed in the country.

There are several reasons for this: it is an easily transportable gas which, once cooled to -162°C, changes its

45

## MÉXICO ALCANZARÁ EL MÁXIMO DE SU CAPACIDAD DE GENERACIÓN EÓLICA PARA 2030



### México alcanzará el máximo de su capacidad de generación eólica para 2030

agosto 17, 2023



Según la Asociación Mexicana de Energía Eólica (AMDEE), se estima que la capacidad eólica de México es de 50GW, aunque actualmente solo han sido instalados un total de 7,3GW. De la misma forma, el Laboratorio Nacional de Energía Renovable estableció el potencial técnico del país en más de 3.600GW, lo que quiere decir que, si bien la industria eólica tiene grandes posibilidades de crecimiento, la infraestructura actual sigue siendo muy escasa a pesar de las óptimas condiciones climatológicas del país.

# SARENS PLAYS KEY ROLE IN LAFARGE'S CEMENT PLANT REFURBISHMENT

Features > Business Operations Cranes Projects & Infrastructure

## Sarens plays key role in Lafarge's cement plant refurbishment

July 27, 2023 By Don Horne



Photos courtesy of Sarens.

Lafarge needed the help of a heavy lifting crane service for the replacement of its cement plant kiln dryer in Bath, Ont., in its efforts to reduce its carbon footprint – and they needed it done in a week.

Sarens accepted the challenge of the one-week deadline to remove the old kiln and transport, lift and install the new one, using a Liebherr LR1600 crawler crane – a model renowned for its great power and lifting capacity.



Since its foundation in 1973, Lafarge's Bath cement plant has played a key role in Canada's construction sector. The kiln dryer replacement project is part of the company's plan to reduce its carbon footprint through a new sustainable policy saving more than 140,000 tons of CO2 annually, by converting GU cement to OneCem. With more than 100 workers, Lafarge's Bath cement plant currently produces more than 1.1 million tons of cement per year, helping the construction industry to continue to develop.

The furnace renovation project at this factory is part of a maintenance program aimed at maintaining its proper operation. The kiln is the part in charge of drying the cement during the manufacturing process, so it plays a key role in cement production going forward. The Lafarge plant is responsible for supplying cement to several major

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# SARENS AIDS REFURBISHMENT OF LAFARGE'S BATH, ONTARIO, CEMENT PLANT

CRANE & LIFT

## Sarens aids refurbishment of Lafarge's Bath, Ontario, cement plant

By Heavy Equipment Guide Staff - July 27, 2023



Sarens used a Liebherr LR1600 crawler crane for the kiln dryer replacement project. (Sarens)

Sarens has participated in replacing a kiln dryer at Lafarge's plant in Bath, Ontario. During the development of this project, the company was responsible for the removal of the old worn-out kiln dryer and the installation of the new unit.

Since its foundation in 1973, Lafarge's Bath cement plant has been one of the most important. The kiln dryer replacement project is part of the company's plan to reduce its carbon footprint through a new sustainable policy that will enable Lafarge to save more than 140,000 tons of CO2 per year by converting GU cement to OneCem. With more than 100 skilled workers, Lafarge's Bath cement plant currently produces more than 1.1 million tons of cement per year, helping the construction industry to continue to develop.

The furnace renovation project at this factory is part of a maintenance program aimed at maintaining its proper operation. The kiln is the part in charge of drying the cement during the manufacturing process, so it plays a key role in cement production going forward. The Lafarge plant is responsible for supplying cement to several major infrastructure projects that contribute to the growth and development of several local...

# RATTLESNAKE RIDGE WIND FARM PROVIDES CLEAN ENERGY FOR 78,000 HOMES IN ALBERTA, CANADA



## Rattlesnake Ridge Wind Farm Provides Clean Energy for 78,000 Homes in Alberta, Canada

10 Jul 2023



The Rattlesnake Ridge wind farm in southeast Alberta, Canada, is already providing clean, affordable energy for about 78,000 homes in the area thanks to its 26 5-megawatt wind turbines across 13,000 hectares of land. The wind farm was commissioned in May 2022, marking one year of clean energy contribution to the Alberta grid. The first maintenance work on the wind farm has already been undertaken, with **Sarens**, world leader in heavy lifting, engineered transport and crane rental solutions, playing a major role.

On this occasion, the Sarens technical team was responsible for replacing the blades of one of the wind turbines as it was damaged. To do so, Sarens decided to use its LTM1400 and LTM450 cranes, with load capacities of 400 and 450 tons respectively, due to their ability to move over uneven or particularly soft terrain while guaranteeing the safety of the operators.

The challenge of the replacement consisted in the position of the blades to be replaced. These were delivered months before Sarens arrived on site and were not in the right position. This also made removal and installation difficult, due to the 45-degree angle instead of the preferred 90 degrees to the tower. Thanks to the mobility of the LTM1400 and LTM1500 units, it was possible to move the new blades into position for installation and remove an old blade from the tower.

The complexity of this work involves being respectful towards the rural environment. For example, operating the cranes with special care not to distort or destroy the farmland surrounding the wind park.

At the same time, it was of crucial importance to pay attention to the Club Root Crop Disease. This is a serious soil-borne disease affecting cruciferous crops (canola and cabbage family). The resting spores are spread through contaminated soil and infected parts of the canola plants. Therefore, extensive cleaning of the cranes is necessary to clean the soil and crop residues in order to avoid contaminated machinery meeting clean fields. Special care was therefore taken to disinfect machines and crawler tracks to avoid spreading the disease.

Sarens has a long history of developing wind projects in Canada. These include the Whiffa Wind project, the Golden South Wind Project in Assiniboia and more recently, the Blue Hill Project in Saskatchewan. In the latter case, Sarens contributed to the transport and erection of 50 wind turbines at their final destination. This facility will be responsible for generating up to 200MW of renewable energy, enough to power up to 100,000 homes, and will bring an economic impact of over \$45M to its community. In this sense, it is important to remember that the installation of wind farms not only brings energy to the areas where they are installed, but also contributes to their economic development by creating jobs and boosting trade.

Sarens | <https://www.sarens.com/>

# SARENS | L'ACQUISIZIONE DI UNA PARTECIPAZIONE DI MINORANZA NELLA SOCIETÀ ZANETTI RAFFORZA L'ESPANSIONE NEL MERCATO ITALIANO



## Sarens | L'acquisizione di una partecipazione di minoranza nella società Zanetti rafforza l'espansione nel mercato italiano

Sarens acquisisce una partecipazione di minoranza nella società italiana Zanetti consolidando la sua posizione di leader nel sollevamento di carichi pesanti.



### Sarens consolida il ruolo di leader nel settore e mantiene una prospettiva ottimista per la crescita anche in ambito italiano

Sarens ha raggiunto un accordo con la società italiana Zanetti, in base al quale la società belga acquisirà parte delle azioni di Zanetti. Contemporaneamente, Cifa Holding SRL, società italiana guidata da Carlo Tappeti, acquisirà un'altra quota delle quote della società, ma Zanetti continuerà a detenere una quota di maggioranza nell'operazione.

Con oltre 50 anni di esperienza nei settori di ingegneria, collaudi, pesatura industriale, trasporto, sollevamento e sistemi di sollevamento alternativi, Zanetti è specializzata nella fornitura di soluzioni innovative e altamente personalizzate per i settori di & gas, acqua, energia, cemento, acciaio e drillo.

Con questo accordo, le tre parti continueranno ad arricchire e aumentare le loro operazioni offrendo servizi completi e soluzioni tecniche molto più specializzate e complete grazie a questa collaborazione. Il fatto di avere un numero maggiore di specialità nel settore favorisce la qualità dei servizi forniti ai clienti, consentendo loro di affrontare le loro sfide ingegneristiche in modo molto più efficiente e produttivo.

Come sottolinea Carl Sarens, Director of Technical Solutions, (Projects and Engineering) di Sarens: "Zanetti è un'azienda molto ben posizionata nel mercato italiano, ed è riconosciuta anche a livello internazionale da grandi aziende del settore delle costruzioni e dell'energia, data la sua capacità di offrire soluzioni che si adattano alle esigenze di ogni progetto. In Sarens crediamo questa visione e questi obiettivi, e non vediamo l'ora di affrontare insieme nuove sfide e continuare a contribuire all'evoluzione del settore sia in patria che all'estero".

Luca Zanetti, socio di maggioranza di Zanetti Solution, ha dichiarato che "In Zanetti siamo molto fieri di avere una delle aziende con il track record più lungo e l'esperienza internazionale nel nostro settore. Gli oltre 90 anni che Sarens ha dedicato al settore delle costruzioni sono più che sufficienti a testimoniare la qualità dei suoi servizi, per questo siamo certi che l'unione delle nostre forze e conoscenze ci farà crescere ed evolvere verso quello che sarà il futuro del settore".

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## SARENS SBARCA IN ITALIA CON ZANETTI SOLUTION ED EFFE HOLDING



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NOTIZIE \ SOLLEVAMENTO \ SARENS SBARCA IN ITALIA CON ZANETTI SOLUTION ED EFFE HOLDING

### Sarens sbarca in Italia con Zanetti Solution ed Effe Holding

26/07/2023 Pubblicato da Redazione



Zanetti Solution ha raggiunto un accordo con Sarens per conferire al gruppo olandese azioni dell'azienda italiana specializzata in soluzioni innovative e altamente personalizzate.

In sinergia con Sarens anche Effe Holding, di proprietà dell'imprenditore italiano Carlo Fagioli, ha in corso un'acquisizione di azioni della stessa Zanetti Solution (che rimarrà in possesso della quota di maggioranza). Questa operazione mira ad arricchire le attività commerciali di tutte e tre le parti coinvolte, in Italia e non solo. La partnership si concentrerà sulla fornitura ai clienti di soluzioni tecniche per le loro sfide ingegneristiche.

Carl Sarens, direttore della divisione Soluzioni Tecniche, Progetti e Ingegneria di Sarens, ha confermato che "Zanetti è un'azienda alla quale ci accomunano obiettivi e aspirazioni comuni. Non vediamo l'ora di affrontare le nuove sfide che potremo affrontare insieme per servire al meglio il mercato italiano e altre aree di espansione del nostro business". Il proprietario di maggioranza di Zanetti Solution, Laurano Zanetti, ha evidenziato "l'orgoglio di incorporare tra le nostre filia societarie Sarens ed Effe Holding; siamo certi che l'unione delle nostre forze e del nostro know-how ci porterà a nuovi traguardi".

"Dopo diversi anni dall'uscita dal Gruppo Fagioli, la mia passione per la logistica mi ha portato ad accettare questa nuova sfida imprenditoriale al fianco di Zanetti Solution e del colosso Internazionale Sarens. Siamo entusiasti di far parte di questa unione", ha dichiarato Carlo Fagioli.



## SARENS S'IMPOSE EN ITALIE ET SE SPÉCIALISE DANS L'ÉOLIEN

À la une \ INFRASTRUCTURES TP

### Sarens s'impose en Italie et se spécialise dans l'éolien

Par la rédaction. Publié le 18 juillet 2023.



Crédit : Sarens



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Sarens consolide sa position en Italie en faisant l'acquisition de 100% de ses participations et d'autres partenariats clés sur le marché transalpin.

Sarens vient d'acquérir une participation minoritaire dans la société italienne Zanetti. Suite à l'accord avec Begoos, la famille Sarens reprend le contrôle de 100% des actions de l'entreprise. Dans le même temps, Effe Holding SRL, une société italienne dirigée par Carlo Fagioli, rachètera une autre partie des actions de la société, mais Zanetti continuera à détenir une participation majoritaire dans l'organisation. Avec plus de 50 ans d'expérience dans les services d'ingénierie, les essais, le pesage industriel, le transport, le levage et les systèmes de levage alternatifs, Zanetti est spécialisé dans la fourniture de solutions innovantes et personnalisées pour les secteurs pétrolier et gazier, éolien, électrique, céramique, marin et civil.

Avec cet accord, les trois parties concernées visent à enrichir et accroître leurs opérations en offrant des services complets et des solutions techniques beaucoup plus spécifiques grâce à

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# SARENS SE EXPANDE EN EL MERCADO ITALIANO CON LA ENTRADA EN ZANETTI

LOGÍSTICA

## Sarens se expande en el mercado italiano con la entrada en Zanetti



Esta gran adquisición coincide con la recuperación por parte de la familia Sarens del 100% de las acciones del Grupo Sarens.

18 julio 2023 10:25



Última actualización: 18 julio 2023 10:28



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Sarens ha llegado a un acuerdo con la empresa italiana Zanetti en virtud del cual la empresa belga adquirirá parte de las acciones de Zanetti. Al mismo tiempo, Effe Holding SRL, empresa italiana dirigida por Carlo Fagioli, adquirirá otra parte de las acciones de la empresa, pero Zanetti seguirá teniendo una participación mayoritaria en la organización.

BRUSELAS. Con este acuerdo, las tres partes implicadas pretenden enriquecer e incrementar sus operaciones ofreciendo servicios integrados y soluciones técnicas mucho más específicas y completas. El hecho de contar con un mayor número de especialistas en el sector favorece la calidad de los servicios prestados a los clientes, permitiéndoles afrontar sus retos de ingeniería de una forma mucho más eficiente y productiva.

De esta forma, Sarens consigue aumentar su presencia en el país mediterráneo. A pesar de haber realizado proyectos puntuales, como el de San Giorgio di Nogaro, donde Sarens pudo transportar las 16 nuevas compuertas de las esclusas del Canal de Panamá, su presencia en el país no estaba del todo consolidada. Además, esta nueva adquisición coincide con la recuperación por parte de la familia Sarens del 100% de las acciones del Grupo Sarens.

Como señala Carl Sarens, Director de Soluciones Técnicas, Proyectos e Ingeniería de Sarens, "Zanetti es una empresa muy bien posicionada en el mercado italiano, e incluso reconocida internacionalmente por grandes empresas de los sectores de la construcción y la energía, dada su capacidad para ofrecer soluciones que se adaptan a las necesidades de cada proyecto. En Sarens compartimos esta visión y estos mismos objetivos, y esperamos afrontar juntos nuevos retos y seguir contribuyendo a la evolución del sector tanto en our país como en el extranjero".

Laurano Zanetti, propietario mayoritario de Zanetti Solutions, ha declarado que "en Zanetti estamos muy satisfechos de contar con una de las empresas con mayor trayectoria y experiencia internacional en nuestro sector. Los más de 50 años que Sarens lleva dedicada a la construcción son más que suficientes para acreditar la calidad de sus servicios, por lo que confiamos en que la combinación de nuestras fortalezas y competencias nos brinde nuevos y ambiciosos retos".

# SARENS CONSOLIDA SU POSICIÓN DE LÍDER DEL LEVANTAMIENTO DE CARGAS PESADAS GRACIAS A SU EXPANSIÓN EN EL MERCADO ITALIANO, LA ADQUISICIÓN DEL 100% DE SUS PARTICIPACIONES Y MÁS ASOCIACIONES RELEVANTES



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Sarens adquiere una participación minoritaria en la empresa italiana Zanetti, proveedor líder de servicios y soluciones para los sectores del petróleo y el gas, la energía y la construcción. Tras el acuerdo con Begoos, la familia Sarens recupera el control del 100% de las acciones de la empresa, hecho que contrasta con la situación de los demás actores del sector, que buscan nuevos accionistas. En este contexto, Sarens consolida su papel de líder en el sector y mantiene unas perspectivas muy optimistas de crecimiento internacional y expansión en nuevos mercados.

Sarens, líder mundial en levantamiento de cargas pesadas, transportes especiales y servicios de alquiler de grúas, ha llegado a un acuerdo con la empresa italiana Zanetti, en virtud del cual la empresa belga adquirirá parte de las acciones de Zanetti. Al mismo tiempo, Effe Holding SRL, empresa italiana dirigida por Carlo Fagioli, adquirirá otra parte de las acciones de la empresa, pero Zanetti seguirá teniendo una participación mayoritaria en la organización.

Con más de 50 años de experiencia en servicios de ingeniería, ensayos, pesaje industrial, transporte, elevación y sistemas de elevación

# SARENS CONSOLIDA SU POSICIÓN DE LÍDER DEL LEVANTAMIENTO DE CARGAS PESADAS GRACIAS A SU EXPANSIÓN EN EL MERCADO ITALIANO, LA ADQUISICIÓN DEL 100% DE SUS PARTICIPACIONES Y MÁS ASOCIACIONES RELEVANTES



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## Sarens consolida su posición de líder del levantamiento de cargas pesadas gracias a su expansión en el mercado italiano, la adquisición del 100% de sus participaciones y más asociaciones relevantes

Sarens adquiere una participación minoritaria en la empresa italiana Zanetti, proveedor líder de servicios y soluciones para los sectores del petróleo y el gas, la energía y la construcción

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Sarens, líder mundial en levantamiento de cargas pesadas, transportes especiales y servicios de alquiler de grúas, ha llegado a un acuerdo con la empresa italiana Zanetti, en virtud del cual la empresa belga adquirirá parte de las acciones de Zanetti. Al mismo tiempo, Effe Holding SRL, empresa italiana dirigida por Carlo Fagioli, adquirirá otra parte de las acciones de la empresa, pero Zanetti seguirá teniendo una participación mayoritaria en la organización.

Con más de 60 años de experiencia en servicios de ingeniería, ensayos, pesaje industrial, transporte, elevación y sistemas de elevación alternativos, Zanetti está especializada en ofrecer soluciones innovadoras y altamente personalizadas para los sectores del petróleo y el gas, edílico, energético, cerámico, naval y civil.

Con este acuerdo, las tres partes implicadas pretenden enriquecer e incrementar sus operaciones ofreciendo servicios integrales y

**LO + LEIDO**

# CORPUS CHRISTI PLASTICS PLANT PROJECT SET TO CREATE 2,400 JOBS AND BOOST LOCAL ECONOMY

## *Corpus Christi Plastics Plant Project Set to Create 2,400 Jobs and Boost Local Economy*

The resumption of construction for the Jumbo Plastics project in Corpus Christi, Texas, is heralding a new era of economic growth and social benefit for the region. With an estimated peak of 2,400 jobs during the construction phase, the project is set to invigorate the local workforce and bring prosperity to the community, as reported by Hydrocarbonprocessing.

The journey of the plastics factory project has been one of perseverance and determination, spanning over a decade since its initial planning. Unfortunately, construction had faced multiple delays and had been stalled for several years. However, Corpus Christi Polymers took up the mantle, acquiring the plant in February 2019, with plans to commence construction later that year and a target start-up date of May 2020. Nevertheless, the onset of the pandemic and further project-related challenges disrupted these plans. Undeterred, the construction finally recommenced in 2022, with a new goal of completing the project by 2025.

Key to the successful realization of this ambitious project is the involvement of Sarens, a company providing advanced machinery for lifting ultra-heavy loads during construction. Their expertise has been instrumental in overcoming the logistical challenges of building a state-of-the-art facility.

Upon completion and projected to be fully operational by 2025, the Corpus Christi plastics plant will stand as the world's largest PET/PTA vertically integrated facility. It will churn out an impressive annual production capacity of 1.1 to 1.3 million metric tons of purified terephthalic acid (PTA) and polyethylene terephthalate (PET).

These essential materials are integral to numerous everyday products, influencing our daily lives. PET, a versatile polymer, is used in the production of plastic bottles and food/beverage packaging. PTA plays a crucial role in manufacturing polyester fibers, which find applications in clothing, sheets, curtains, and bedspreads.

Beyond its significant production capacity, the plant boasts cutting-edge technologies that promise to revolutionize the industry. These technological advancements will yield products with distinct technical advantages over packaging materials from other factories, offering enhanced durability, heat resistance, and 100% recyclability. Moreover, the plant's self-sufficiency in producing industrial water through desalination ensures minimal impact on Corpus Christi's drinking water supply, demonstrating a commitment to environmental responsibility.

The Corpus Christi plastics plant is not the only exciting development in the industry. LyondellBasell recently made headlines by acquiring a 50% stake in Dutch recycling company Siphout Industries B.V. While specific financial details of the transaction were not disclosed, Siphout Industries is known for sourcing and processing plastic household waste into clean flakes of recycled polypropylene and high-density polyethylene materials. Their recycling facility, based in the Netherlands, represents another crucial step towards a sustainable and circular plastics economy.

The potential economic and social benefits of the Corpus Christi plastics plant are vast. Apart from the immediate creation of thousands of jobs during the peak of construction, the facility's future operations will provide stable employment for local residents and generate indirect employment opportunities through its supply chain.

The influx of skilled workers and professionals into the area will stimulate the housing market, driving demand for local services and contributing to the growth of various industries in the region.

Additionally, the increased production capacity of essential plastics and polyester materials is likely to bolster regional businesses and attract further investment. As manufacturers gain access to locally produced, high-quality materials, they can enhance their competitiveness in the global market, potentially leading to increased export opportunities.

The Corpus Christi plastics plant represents a significant milestone in the journey towards sustainable and innovative plastic production. As the world grapples with environmental challenges, the plant's advanced technologies and commitment to recyclability stand as exemplars for others in the industry to follow. By supporting the circular economy and promoting responsible manufacturing, the project embodies the aspirations of Corpus Christi to become a leader in sustainable development.

In conclusion, the resumption of construction for the Corpus Christi plastics plant is a cause for celebration. The anticipated creation of up to 2,400 jobs during peak construction and the subsequent economic boost exemplify the project's potential to transform the region positively. As the world's largest PET/PTA vertically integrated facility, the plant is set to play a pivotal role in meeting global demand for essential plastic and polyester materials. With its cutting-edge technologies and environmental consciousness, the Corpus Christi plastics plant heralds a new era of responsible and sustainable industrial development.

Corpus Christi was born from an idea of Mossi & Ghisolfi in 2013



# CONSTRUCTION RESUMES ON CORPUS CHRISTI PTA-PET PLANT

## Construction resumes on Corpus Christi PTA-PET plant

Jul 20, 2022

Corpus Christi Polymers LLC has resumed construction of its integrated purified terephthalic acid-polyethylene terephthalate (PTA-PET) plant in Corpus Christi, Tex.

Corpus Christi Polymers LLC (CCP)—a partnership of Indorama Ventures PCL (IVL) subsidiary Indorama Ventures Corpus Christi Holdings LLC, Alpek SAB de CV subsidiary DAK Americas LLC, and Far Eastern New Century subsidiary APG Polytech USA Holdings—has resumed construction of its integrated purified terephthalic acid-polyethylene terephthalate (PTA-PET) plant in Corpus Christi, Tex. (OGJ Online, July 19, 2022).



Corpus Christi polymers construction site

CCP has enlisted Sarens USA Inc. to assist with lifting ultra-heavy loads during a 16-month construction period on site via its supply of a range of high-lifting capacity cranes to assist in plant assembly, the service provider said on July 19.

Construction on the PTA-PET plant—which remains scheduled for commissioning in 2025—officially restarted as planned in 2022 following a previous halt to development activities amid pandemic-related disruptions, Sarens said.

CCP's plant will use a feedstock of paraxylene and monoethylene glycol to produce 1.1 million tonnes/year (tpy) and 1.3 million tpy of PET and PTA, respectively.

Upon startup, the plant is slated to become the world's largest vertically integrated PTA-PET manufacturing site and will also produce its own industrial water via desalination, CCP said in 2022.

Production technologies to be implemented at the plant include the following:

For solid-state PET, former M&G Chemicals' Easy-Up PET technology, or horizontal continuous inclined reactor

For PET melt, an unspecified process technology from Koch Industries Inc. subsidiary Invista Performance Technologies.

For PTA, Grupo Petrotremex SA de CV's IntegRex PTA, a process that allows oxidation at milder conditions to reduce the plant's overall consumption of raw materials, limit generation of by-product, and reduce the site's environmental impact.

Formed in 2018, the CCP partnership purchased now-defunct M&G USA Corp.'s partially constructed PET-PTA plant, certain M&G intellectual property, and a desalination-boiler plant as part of a stated strategy to revive the project to meet rising global demand for polymers.

# INTEGRATED PET PLANT DUE ONSTREAM IN 2025

COMMODITY RESINS

Published 7/20/2023

## Integrated PET Plant Due Onstream in 2025

Corpus Christi Polymers Plant to produce 2.4 billion lb/yr of PET and another 2.8 billion lb/yr of PET precursor purified terephthalic acid.



**JIM CALLARI**  
Editorial Director, [Plastics Technology](#)

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Construction has been resumed in Corpus Christi, Tex. on what's been dubbed the plastics "jumbo" project. Initiated by the now-bankrupt Italian company [Mossi & Ghisolfi Group](#) 10 years ago, the plant is currently owned by [Corpus Christi Polymers](#) (CCP) and, when completed, will produce 2.4 billion lb/yr of PET and another 2.8 billion lb/yr of PET precursor purified terephthalic acid (PTA). This will reportedly make it the largest vertically integrated PET/PTA facility in the world.

CCP bought the plant in February 2019 and initially said it would begin construction later that year, with a target start-up date of May 2020. However delays in the project and the onset of the pandemic put those plans on hold.



Photo: [Sarens](#).

CCP is a partnership of [Indorama Ventures PCL](#) (subsidiary of [Indorama Ventures Corpus Christi Holdings LLC](#)); [Alpek SAB de CV](#) (subsidiary of [DAK Americas LLC](#)); and [Far Eastern New Century](#) (subsidiary of [APG Polytech USA Holdings](#)).

The plant is expected to generate up to 2400 jobs at peak construction.





# CORPUS CHRISTI PLASTICS PLANT CONSTRUCTION WILL CREATE UP TO 2,400 JOBS AT ITS PEAK

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21 July, 2023

## Corpus Christi plastics plant construction will create up to 2,400 jobs at its peak



MOSCOW (MRC) – The resumption of construction of the Jumbo plastics project will bring great social benefit to Corpus Christi in Texas as it is estimated to generate up to 2,400 jobs at peak construction, said [Hydrocarbonprocessing](#).

The plastics factory project has gone through several stages since its initial planning more than 10 years ago, as construction had been stalled for several years. Corpus Christi Polymers bought the plant and in February 2019 it was planned to start construction later that year, with a target start-up date of May 2020. However, delays in the project and the onset of the pandemic truncated these plans. Construction finally resumed in 2022 with the intention of completing the project by 2025.

Sarens has been involved in the construction of the project by providing a wide range of advanced machinery to assist with the lifting of ultra-heavy loads.

When the plant comes into operation, projected for 2025, it will represent the largest PET/PTA vertically integrated facility in the world, producing between 1.1 million and 1.3 million metric tons of purified terephthalic acid, known as PTA, and polyethylene terephthalate, or PET.

These materials are present in many of the objects we wear or use in everyday life. PET, a form of polymer, is used in part of the production process for plastic bottles or packaging for food and beverages. PTA, on the other hand, is used to make polyester fibers for clothing, sheets, curtains and bedspreads.

The use of the latest technologies in the industry, present in the plant, will allow innovation in the processes, achieving products with key technical advantages over packaging materials from other factories in areas such as durability, heat resistance and 100% recyclability. The plant will also produce its own industrial water through desalination, minimizing the impact on Corpus Christi's drinking water supply.

We remind, LyondellBasell said on Wednesday it has acquired a 50% stake in Dutch recycling company Stiphout Industries B.V. The company did not disclose financial details of the transaction. Stiphout is involved in the sourcing and processing of plastic household waste into clean flakes of recycled polypropylene and high-density polyethylene materials. It operates a recycling facility located in the Netherlands.

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# CORPUS CHRISTI PLASTICS PLANT CONSTRUCTION WILL CREATE UP TO 2,400 JOBS AT ITS PEAK



Home > News > Corpus Christi plastics plant construction will create up to 2,400 jobs at its peak

## Corpus Christi plastics plant construction will create up to 2,400 jobs at its peak

7/20/2023 2:00:00 PM



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## WATCH: \$2.3 billion Las Vegas Sphere lights up for the first time

In its initial test lighting, the Sphere displayed a July 4th themed show along with a showcase of its visual potential.

BY DERRICK WILEY - PUBLISHED: JULY 10, 2023

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Last week saw the Sphere in Las Vegas **light up for the first time**, with its inaugural show took place on July 4th. In production since 2019, the 17,000 seat arena cost a staggering \$2.3 billion to build.

The structure's 580,000 square foot LED "exosphere," billed as the largest LED display in the world, greeted onlookers with the words "Hello World" before beginning a show featuring fireworks, the American flag, and an assortment of dazzling scenes from the lunar surface to the deep sea. The exosphere features approximately 1.2 million LED pixels spaced eight inches apart.

Internally, the arena features a 16K LED wraparound display. The Madison Square Garden Company's (MSG) James Dolan and David Dibble commented to *Rolling Stone* that one of the goals of the internal display was to create a VR experience without the "damn goggles."

President and Chief Operating Officer of MSG Sports David Hopkins said, "Sphere's Exosphere is a 360-degree canvas for brand storytelling that will be seen around the world, offering our partners an unparalleled opportunity to become part of the greatest show on Earth. There's nothing comparable to the impact from displaying innovative brand and immersive content on the world's largest video screen. The extraordinary experiences we can create are only limited by imagination, and we're thrilled to finally share with the world the spectacular potential of the Exosphere."

Developed by an interdisciplinary team under the Sphere Studios umbrella (a subsidiary of MSG), the Sphere is designed to display customized "live entertainment experiences."

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# FUSION ENERGY WILL BE ABLE TO OBTAIN THE ENERGY CONTENT OF MORE THAN 500 LITERS OF GASOLINE WITH A SINGLE LITER OF WATER



## Fusion Energy will be able to Obtain the Energy Content of More Than 500 Liters of Gasoline with a Single Liter of Water

Date:  
07/03/2023



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The fusion process is one of the best sources of clean energy because it does not produce greenhouse gas and generates less long-lasting radioactive waste than nuclear fusion.



Fusion Energy will be able to obtain the energy content of more than 500 liters of gasoline with a single liter of water.

Fusion will provide a secure and abundant supply for thousands of years. One liter of ordinary water contains enough deuterium to provide the energy content (when fused with tritium) of more than 500 liters of gasoline. It is also a clean source of energy because its generation produces no greenhouse gas emissions.

The main driving force behind this new form of clean energy generation is the Culham Center for Fusion Energy (CCFE). It is part of the UK Atomic Energy Authority and is based at the Culham Science Centre near Oxford, England, one of the world's leading fusion research centers, where they are developing technology and designs for the first fusion power plants.

Sarens, world leader in heavy lifting, engineered transport and crane rental solutions, has positioned itself as a driver of this innovative form of clean energy generation with its work at the CCFE plant in Abingdon, Oxfordshire (UK). At this site, Sarens engineering team has undertaken the installation of two cryogenic storage tanks.

For this task the Sarens team used a Liebherr LTM1500-5.1 crane, which has a load capacity of 500 tons. They supplemented the necessary equipment with a 110-ton capacity basket crane, which was used for the tandem lifting and for the installation of the unit.

The complexity of the operation was more about site access than the lifting work itself. Due to the large size of the crane, it could not fit through the main entrance and an alternative access had to be found. The entire project, based on the lifting and placement of the two tanks, one 150m<sup>3</sup> and 20,000 kgs and the other 30 m<sup>3</sup> and 8,000 kgs, was completed in four days including the erection of the cranes.

The installation of the new tanks will allow the CCFE to continue research to realize the enormous potential of fusion to generate electricity. Fusion is the process that occurs when light nuclei fuse to

## SARENS DEVELOPS ADAPTABLE GANTRY CRANE SYSTEM FOR LIFTING MONOPILES FOR OFFSHORE WIND FARMS



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### Sarens Develops Adaptable Gantry Crane System for Lifting Monopiles for Offshore Wind Farms

Tuesday, 25 July 2023



REM

**Sarens**, a leader in heavy lifting, engineered transport and crane rental services, has developed an innovative gantry crane system to facilitate the lifting and subsequent loading of monopiles, used as foundations for offshore wind farm turbines for transport to their final offshore location.



Sarens has developed this system on behalf of EEW Special Pipe Constructions GmbH, world's leading experts in the manufacture of monopiles, to facilitate the handling of monopiles at its factory in Rostock (Germany) from its transport combination to its customer vessels designed to secure the monopiles to the deck supports of the vessels used during transport.

Sarens' engineering team had to foresee that this system needed to be compatible with monopiles of different sizes and weights, ranging from 375 to 1900 tons, lengths of between 8 and 9.75 metres, and diameters of between 8 and 9.75 metres.

To achieve this, their team designed a system with two gantries capable of lifting



## La construcción se prepara para un aumento en la inversión

julio 25, 2023



De acuerdo con las previsiones realizadas por el BBVA, se espera que al finalizar este año la construcción registre un crecimiento total del 1% en combinación a una bajada de la inflación como cómputo general, lo que abrirá las puertas del 2024 a la recuperación definitiva del sector. Y es que de acuerdo con el Presupuesto

# CONSTRUCTION RESUMES ON CORPUS CHRISTI PTA-PET PLANT

REFINING & PROCESSING > REFINING > CONSTRUCTION

## Construction resumes on Corpus Christi PTA-PET plant

Corpus Christi Polymers LLC has resumed construction of its integrated purified terephthalic acid-polyethylene terephthalate (PTA-PET) plant in Corpus Christi, Tex.

Robert Breisford  
July 20, 2023



Corpus Christi polymers construction site.

Corpus Christi Polymers LLC (CCP)—a partnership of Indorama Ventures PCL (IVL) subsidiary Indorama Ventures Corpus Christi Holdings LLC, Alpek SAB de CV subsidiary DAK Americas LLC, and Far Eastern New Century subsidiary APG Polytech USA Holdings—has resumed construction of its integrated purified terephthalic acid-polyethylene terephthalate (PTA-PET) plant in Corpus Christi, Tex. (OGJ Online, July 19, 2022).

CCP has enlisted Sarens USA Inc. to assist with lifting ultra-heavy loads during a 16-month construction period on site via its supply of a range of high-lifting capacity cranes to assist in plant assembly, the service provider said on July 19.

Construction on the PTA-PET plant—which remains scheduled for commissioning in 2025—

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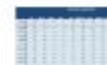
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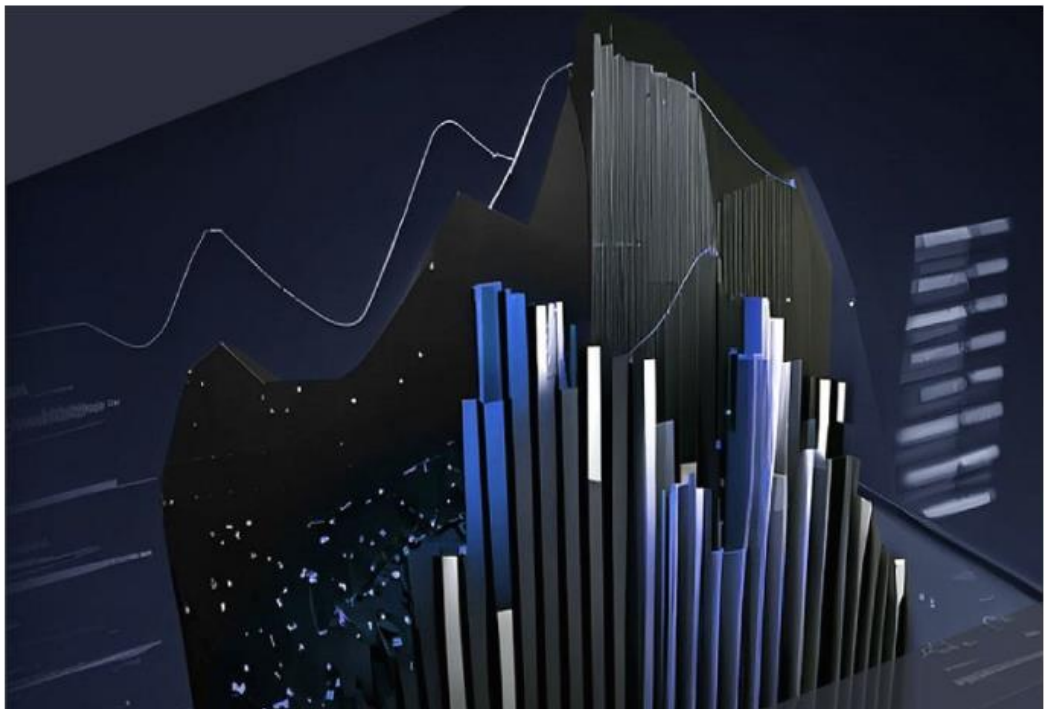


# Tower Cranes Rental Service Market 2023 Revenue and Share Analysis | Sarens NV, ALL Erection & Crane Rental Corp., Lampson International LLC



🕒 September 21, 2023

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# NEW JOINT VENTURE SARENS PNG ENTERS THE PAPUA NEW GUINEA CRANE AND HEAVY LIFT MARKET

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## New Joint Venture Sarens PNG Enters The Papua New Guinea Crane And Heavy Lift Market

26 June 2023  
 4 min read

Sarens, global leader and reference in crane rental, heavy lifting, and engineered transport, and Trans Wonderland Ltd (TWL), Papua New Guinea's leading integrated transport and logistics company have joined forces in a new joint venture (JV) partnership



Sarens, global leader and reference in crane rental, heavy lifting, and engineered transport, and Trans Wonderland Ltd (TWL), Papua New Guinea's leading integrated transport and logistics company have joined forces in a new joint venture (JV) partnership, launching Sarens PNG. The JV brings together the global knowledge and reach of the world's leading crane and heavy lift brand with one of Papua New Guinea's most successful local landowner companies, with a history of meeting and exceeding

client expectations.






"Being a giant in the industry worldwide, we can bring immense knowledge and experience to new and emerging markets, eliminating the need to reinvent the wheel." Says Dave Smith, Director of Global Fleet and Rental Operations for Sarens.

While Sarens is recognised as the global reference in heavy lifting, venturing into the PNG market would not be possible without local content knowledge, and in Papua New Guinea, none have proven more adept than TWL. From humble beginnings, in 2009, the company has grown to become one of Papua New Guinea's largest integrated transport and logistics companies, and one of the most trusted suppliers to the nation's burgeoning resources industry.

Despite being born on opposite sides of the world, it's the shared values, an appetite for innovation, and an unwavering commitment to quality that united the two companies in Sarens PNG. "Sarens, as a family-owned company, sees TWL as a company built upon very similar values, where integrity, compliance and governance



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## Sarens' Precision-Guided SPMTs Help Send State-Of-The Art Naval Vessel To Sea

Sponsored By Sarens | 14 June 2023  
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### SPONSORED CONTENT

Sarens transports and positions 620-tonne French military vessel at ferry terminal

When Sarens was asked to move a new 620T military vessel, we rose to the challenge and created a solution that would transport it smoothly from land to sea. The operation was executed over the course of four days on behalf of CMN Constructions Mécaniques Normandie.

Sarens deployed Kamag 2400 SPMTs and an AC100 crane for this operation, which was conducted at a ferry terminal in Cherbourg, France. The AC100 crane was used to prepare the site and assemble the SPMTs, an operation that took one full day. Next, Sarens installed the 620-tonne, 70-metre long military vessel, designed for heavy vehicle landing craft, onto two 5- and 10-axle lines of SPMT with a 14-metre spacer.

Sarens selected the equipment for this operation for its ability to masterfully move the vessel from the CMN factory to the Syncrolift lifting system at the ferry terminal, and also to successfully carry heavy loads over short distances. The crane and SPMTs were mobilised to the site via nine trucks and required one full day for rigging.

To ensure a successful operation, Sarens carefully planned every manoeuvre within the planned closure window for the main maritime boulevard. This enabled the vessel to be moved safely and securely from the factory to the ferry terminal.

The first part of the operation was executed in half a day. The naval boat was placed on adjustable cradles and onto a boat trolley. Next, so that Sarens could position it onto the SPMTs, the vessel was jacked up to a height



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# SARENS ENGINEERS BRILLIANT SOLUTIONS TO TRANSPORT 950T LOADS ALONG CHALLENGING TERRAIN

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## Sarens Engineers Brilliant Solutions To Transport 950T Loads Along Challenging Terrain

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### SPONSORED CONTENT

Sarens successfully moves three boiler units with SPMTs and bespoke bridging arrangements

From April through August 2022, Sarens was responsible for loading in and transporting

three 950T boiler units on behalf of global engineering and construction company Fluor. The operation was part of work at the INEOS plant in Grangemouth, Scotland, an integrated refinery and petrochemical plant that is one of INEOS' largest manufacturing sites.

Sarens was previously involved in two other phases of this crucial boiler transport operation: the first involved loading out the three boiler units in Cadiz, Spain, so they could sail onward to a trans-shipment base in Rosyth, Scotland. Sarens then performed RORO operations, loading the three units from the ocean-going vessel and onto a towable barge, which allowed for delivery into the port of Grangemouth despite local lock restrictions.

Because Sarens was part of the load-in operation in Rosyth, the project team mobilised to two sites in parallel: one team, along with SPMTs and PPUs, mobilised to Rosyth, while another mobilised to the Port of Grangemouth to prepare to receive the cargo and store it on Sarens-supplied steel supports until it was needed on site. Because of this arrangement, Sarens could mobilise the SPMTs to Rosyth and then sail them, along with the cargo, to Grangemouth for load-in.

For the third and final phase of the operation at Grangemouth, axle loadings were restricted along main public roads, within the ports, and at the main site. This meant that Sarens had to provide dynamic and extensive engineering throughout the project, designing solutions to meet the client's needs while adhering to local parameters.



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## French Floating Foundations Lifted, Weighed and Load-Out Completed by Sarens

Topic: CC2500, Eiffage Métal, LR1800, Offshore Wind farm, Provence Grand Large, Sarens, SBM Offshore, SPMTs

Provence Grand Large offshore wind farm, off the coast of the Marseille region in France, is the first pilot floating wind farm in France. The project will comprise of three 6.4 MW wind turbines from Siemens Gamesa Renewable Energy, erected on pyramid-shaped floating foundations designed and built by SBM Offshore. This future-oriented floating facilities are a solution for previously unusable sea locations.

The sub components of the floating foundations were assembled at the Eiffage Métal's site in Fos-sur-Mer to form the 45m high floating foundations. These tripod-shaped structures are based on a TLP design developed by SBM Offshore, have a central buoy and two submersible buoys at each end, between which is an innovative anchoring system with tensioned lines. These components were then loaded onto a submersible barge and finally transported to be installed at sea, 17km off the coast.

During the first phase of the project, Sarens was commissioned to lift the major components of three floating foundations for the account of Eiffage Métal at their fabrication yard in Fos-sur-Mer. For the work Sarens used:

- LR1800 (800t Crawler Crane)
- CC2500 (500t Crawler Crane)
- 20 axle-lines of SPMTs

LR1800 was transported from Cadiz in Spain and CC2500 and SPMTs came from Belgium. The cranes lifted and assembled the following components:

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## Sarens Acquires Minority Stake in Italian Zanetti Solutions

Topics: alternative lifting systems, Effe Holding SRL, Engineering, Industrial weighing, Lifting, Sarens, testing, transport, Zanetti Solution

Sarens, in a move together with Effe Holding SRL, owned by Italian entrepreneur Carlo Fagioli, have acquired a combined minority stake in the Italian Zanetti Solution company. The 50-year-old Italian company retains possession of the majority stake in the organisation.



From L to R: Carlo Fagioli, Laurano Zanetti, Carl Sarens

Zanetti Solution is an Italian company with over 50 years of experience in engineering, testing, industrial weighing, transport, lifting, and alternative lifting systems services, specialising in innovative and highly customised solutions. The company operates in the Oil & Gas, Wind, power, ceramic, naval, and civil sectors.

# MODULAR TRAILERS (SPMTs) RENTAL SERVICES MARKET

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BUSINESS

# Sarens on the expansion path

By Sophie Barnes | 4 July 2023

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Global engineered transport and heavy lift specialist Sarens is continuing its expansion drive with the launch of a wind energy division in collaboration with a Polish partner and the acquisition of shares in Italy-based Zanetti Solution.





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### New wind energy service division for Sarens

By Alex Dahm | 05 July 2023  
⌚ 1 min read



Sarens Wind Service is a new specialist service division both for onshore and offshore wind energy markets.

SWS was set up by international heavy lift and transport specialist Sarens in conjunction with a Polish partner. Its primary initial aim is to maintain wind turbines, especially their gearboxes. Sarens said its Polish partner has extensive experience in the construction and service of onshore and offshore wind turbines.

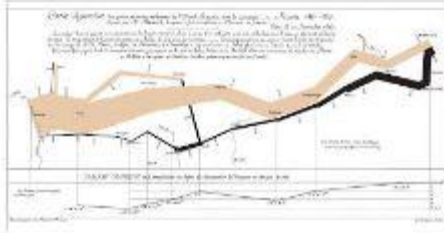
Sarens has installed wind turbines with a combined total of more than 1,000 MW of generating capacity in Europe. This new venture reinforces the end-to-end turbine lifecycle service offer available from one company.

Mariusz Sudoł, Sarens regional director of Northern and Eastern Europe, said, "Through Sarens Wind Service, we would like to provide maintenance services for wind farms in Finland and Sweden and we will continue service work in the UK, Ireland, and Germany.

"By 2025, we aim to have individual and robust departments for turbine construction, offshore building and service, and blade repair. We will also be opening a GWO academy (Global Wind Organisation approved basic safety training) to provide training related to basic technical training, sea survival, hubs, and nacelles," Sudoł continued.

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## Mobile Crane Market Research Report 2026 | Size, Share, Latest Trends, Industry Development and Analysis

**PRESS RELEASE**  
Published July 5, 2023  
[TheExpressWire](#)

The global mobile crane market size stood at USD 14.35 billion in 2018 and is projected to reach USD 22.34 billion by 2026, exhibiting a CAGR of 5.8% during the forecast period.

According to latest report published by Fortune Business Insights, the global mobile crane market size stood at USD 14.35 billion in 2018 and is projected to reach USD 22.34 billion by 2026, exhibiting a CAGR of 5.8% during the forecast period. Growth rate or CAGR exhibited by a market for a certain forecast period is calculated based on various factors and their level of impact on the market. These factors include size, share, growth, market drivers, restraints, industry challenges, market and technological developments, market trends, etc.

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Top Mobile Crane Market Size Manufacturers covered in the Market Report include:

- Zoomlion Heavy Industry Science and Technology Co., Ltd.
- Kobelco Construction Machinery Co., Ltd.
- Manitowoc
- Sarens n.v./s.a.
- PALFINGER AG
- Terex Corporation
- SANY GROUP
- XCMG Group
- Liebherr-International Deutschland GmbH
- Tadano Ltd.
- KATO WORKS CO., LTD.
- Sumitomo Heavy Industries, Ltd.

Recent Key Industry Development:

The rise in urbanization across all Asian nations has propelled Liebherr mobile cranes to start their new service and training in Korea. This will help the company suffice to the increasing demand for after-sales services. The hoisting of the first wind turbine of the Umei Canal Wind Power Project was successful with the help of the Zoomlion QLY800 Crawler Crane with its safe, reliable, and stable performance. This crane laid a solid foundation for power generation and grid connection of the wind farm for the future years.

Highlights of the Report:

- Mobile Crane Market Size, Share and Industry Analysis, By Type (Truck Crane, All Terrain Crane, Rough Terrain Crane, Crawler Crane and Others), By Application (Construction, Oil and Gas,

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# Jacking System Rental Services Market 2023 Growth Drivers and Future Outlook | Top Brands Sarens NV Mammoet ALL Erection & Crane Rental Corp. Lampson International LLC Action Construction Equipment Ltd. ALE XCMG Zoomlion Sanghvi Movers Limited Giddings Power Jacks ALE Heavylift Rexroth



6 July 2023

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The "Jacking System Rental Services Industry 2023-2031 Size and Share Analysis" research report from OrbisResearch.com is now available.

The following are a few ways that this Global Jacking System Rental Services Business Report differs from previous studies:

- **Complete Analysis:** The report offers a complete analysis of the global [Jacking System Rental Services market](#), complete with in-depth observations trends, and projections. It covers a range of market segments, geographical areas, and significant players.
- **Deep Research:** The report is the result of an in-depth investigation using reputable sources and data-gathering techniques. It includes both types of research and guarantees dependability and accuracy.
- **Market Dynamics:** The report offers a thorough understanding of market dynamics, including driving factors, constraints, difficulties, and opportunities. Insightful information can be gained from the factors influencing the growth and advancement of the Jacking System Rental Services market.

Request a sample report : <https://www.orbisresearch.com/contacts/request-sample/6919876>

# INTERNATIONAL CRANES & SPECIALIZED TRANSPORT - JUNE 2023

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## International Cranes & Specialized Transport - June 2023

14 June 2023  
🕒 1 min read



### IC100:UP ALL AREAS

ICST's annual ranking shows a much more positive year with less disruption among the world's largest crane-owning companies. Alex Dahm reports.

### RENEWABLE ENERGY LIFTING: GREEN AND CLEAN

Renewables are booming and the transition to green power requires some serious lifting and transport work. ICST reports.

### INTERVIEW: WIM SARENS

CEO Wim Sarens discusses the company's return to 100 % family ownership and the ambitions to be at the forefront of the energy transition. Niamh Marriott reports



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# 100 LARGEST CRANE COMPANIES IN NORTH AMERICA



## 100 largest crane companies in North America

By David Butler | 26 June 2022

0 comments

The ACT100 index of North America's top crane-owning companies took a big jump in 2022, eclipsing the 1 billion mark for a total capacity of 2,080,214 tons capacity. The index added eight new companies and 227,718 tons capacity.

RANK	COMPANY	TYPE	FLEET SIZE	ACT100
1	Mason Crane Works	Crawler	4,25	896,661
2	Bigge Crane and Rigging Company	Crawler	2,96	271,480
3	Lempson International	Crawler	2,83	128,788
4	All Family of Companies	Crawler	2,81	111,689
5	Budker Heavy Lift Corp	Crawler	1,78	118,912
6	Winnipeg Trucking	Crawler	1,38	96,689
7	M&J Crabb-Crane Rental	Crawler	1,22	88,917
8	JJ Latham Inc.	Crawler	1,04	40,663.0
9	Sarens USA	Crawler	1,00	35,880
10	Mason Crane Services	Crawler	98	125,488

The detection we last year was a big splash, with the top 10 companies seeing gains in capacity and fleet size over 2021. Last year the ACT100 index was at 2,552,542. In 2021, the ACT100 added 26,917 tons for a total index of 2,579,459. In 2020, the ACT100 gained 154,517 tons of capacity for a total index of 2,776,144.

Mason Crane Works is still number one, reporting an index of 896,661 tons. Mason is not just the first company on the ACT100, but the first company by a fat margin in excess of 200,000 tons. The top 10 crane companies stayed intact for the most part with Mason, Bigge and All Family keeping their top three spots. Budker Heavy Lift, Lempson International and Mason Crane Services rounded out the top six. The top 10 ended up with Mattman Americas at seven, TNT at eight, Sarens at nine and Boyd Brothers at ten. Big players this year include Day Ltd, Lift Source Machinery, Arctic Crane Service, Big O Crane, Wagstaff, McKay, Rocca and Superior Crane.

In 2022, the number of branches increased from 761 to 814. Last year, the number of branches increased to 794 from 768 in 2021. The employee count for the ACT100 surpassed all bounds with 71,131 employees, some 30,000 higher than last year and the highest employee count ever. In 2022, the number of employees on the ACT100 was 41,012 people, as opposed to 32,927 in 2021. Employee counts of the ACT100 have ebbed and flowed over the past five years.

RANK	ACT 100	COMPANY	FLEET SIZE	ACT100	INDEX
1	1	Mason Crane Works	4,25	896,661	3,787
2	3	All Family of Companies	2,81	111,689	1,899
3	2	Bigge Crane and Rigging Company	2,96	271,480	1,647
4	4	Mattman Americas	1,54	125,488	1,600
5	7	TNT Cranes & Rigging	1,19	45,518	897
6	6	Winnipeg Trucking	1,38	96,689	662
7	8	Budker Crane & Rigging	1,78	118,912	562
8	24	Swift-Rocco Equipment	1,14	27,114	462
9	8	Lempson International	2,83	128,788	428
10	19	Bigge Crane Service	1,14	24,212	407
11	10	M&J Crabb-Crane Rental	1,22	88,917	415
12	11	Quandt Inc.	1,14	8,198	311
13	26	Crane Truck One Source	1,14	13,908	305
14	9	Boyd Brothers	1,14	19,111	298
15	14	Day South-Crane Rigging	1,14	22,215	246
16	16	Sarens USA	1,14	35,880	202
17	27	Mason Crane Rigging	1,14	17,611	200
18	11	Day Ltd.	1,14	43,279	200
19	25	Sarens Crane Service	1,14	15,868	200
20	18	Swift-Crane Rigging	1,14	44,615	218

The 2022 index showed 3,124 crawler cranes. This year that number grew to 3,245. In 2021, the index showed 3,164 crawler cranes. The total index was 2,080,214 tons in 2022, up from 1,852,496 tons in 2021. The ACT100 reported...

# SARENS ENTERS PAPUA NEW GUINEA JOINT VENTURE

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## Sarens enters Papua New Guinea joint venture

By Alex Dahm | 20 June 2023  
⌚ 2 min read



Teams from Sarens and Trans Wonderland Limited mark the establishment of Sarens PNG. Photo: Sarens

International heavy lift and transport specialist Sarens has established a joint venture company in Papua New Guinea with leading local operator Trans Wonderland Ltd (TWL).

Belgium-based Sarens set up Sarens PNG with TWL to "bring together the global knowledge and reach of the world's leading crane and heavy lift brand with one of Papua New Guinea's most successful local landowner companies, with a history of meeting and exceeding client expectations," Sarens said.

"Being a giant in the industry worldwide, we can bring immense knowledge and experience to new and emerging markets, eliminating the need to reinvent the wheel," said Dave Smith, Sarens director of global fleet and rental operations.

TWL was started in 2009 and it supports PNG's oil, mining and other industries.

"Sarens, as a family-owned company, sees TWL as a company built upon very similar values, where integrity, compliance and governance are at the forefront. Alongside this is the appetite within TWL to grow, not just in the fields where they have excelled over the years, but also to branch out into new fields and markets," Smith

# IC100 CRANE COMPANY RANKING 2023: UP ALL AREAS



## IC100 crane company ranking 2023: Up all areas

By Alex Dahm | 22 June 2023  
5 min read

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It was a good year for the IC100 index of the world's largest crane-owning companies, Alex Dahm reports.



Front cover of ICST June 2023

Marking this year's IC100 table is what can largely be said to be a return to a more typical level of increase. Mostly that means with larger improvement in more of the totals than the 2022 IC100.

Some big changes characterised last year's table and many of its metrics were down. This year there is less disruption and more steady increase. It is much more positive.

Let's start with some basic numbers. The 216 total number of entries compares closely with the 218 of last year but the total IC Index, as a combined figure for all the entries, this year is 34,510,957 points, up a healthy 5.85 per cent on the 32,602,533 total of 2022.

While that is just really a headline figure, the increase is even greater when comparing the top 100 companies. This year's top 100 total is 32,377,509, a full 6.1 % higher than the top 100 total of 2022 which was 30,517,161 points. It is also within a few points of the 2022 grand total. Note that the Top 100 companies' total this year represents 94 % of the grand total figure for all 216 entries this year.

Looking at the composition of the table, two of the 11 new entries this year made it into the top 100, the highest of which is in 32nd place. As we always make



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## Sarens acquires shares in lifting specialist

By Lewis Tyler | 05 July 2023  
🕒 1 min read

Sarens has acquired shares in Italian lifting and engineering specialist Zanetti Solutions. No financial details have been disclosed.

Founded in 1973, Zanetti Solutions operates within the oil & gas, wind, power, civil, ceramic and naval sectors.

Sarens, along with Effe Holding have purchased minority shares in Zanetti, which will retain a majority stake. According to Sarens, the transaction will "enrich all three parties" and enable them to supply technical solutions to customers.

Carl Sarens, director of technical solutions, projects and engineering said, "Zanetti is a company with which we have common goals and aspirations. We are looking forward to the new challenges we can face together to better serve the Italian market."

Laurano Zanetti, majority owner, said the company is "confident that the combination of our forces and know-how will bring us to new heights."

Carlo Fagioli, owner of Effe Holding, said, "Several years after leaving the Fagioli Group, my passion for logistics has now led me to accept this new entrepreneurial challenge alongside Zanetti Solution and the international giant Sarens. We are thrilled to be part of this union



From left to right: Carlo Fagioli, Laurano Zanetti, Carl Sarens. (Photo: Sarens)

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# SARENS ACQUIRES SHARES FROM ZANETTI SOLUTION

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## Sarens Acquires Shares From Zanetti Solution

11 July 2023  
2 min read

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Zanetti Solution has reached an agreement with Sarens according to which Sarens will acquire shares in the 50-year-old Italian company that specialises in innovative and highly customised solutions.



Zanetti Solution has reached an agreement with Sarens according to which Sarens will acquire shares in the 50-year-old Italian company that specialises in innovative and highly customised solutions. Along with Sarens, Effe Holding SRL, owned by Italian entrepreneur Carlo Fagioli, is simultaneously acquiring Zanetti Solution shares. Zanetti solution remains in possession of the majority stake in the organisation.

Zanetti Solution is an Italian company with over 50 years of experience in engineering, testing, industrial weighing, transport, lifting, and alternative lifting systems services, specialising in innovative and highly customised solutions. The company operates in the Oil & Gas, Wind, power, ceramic, naval, and civil sectors.

This transaction aspires to enrich the business activities of all three parties involved, in Italy and beyond. The focus of the partnership will be on

supplying clients with technical solutions to their engineering challenges.

Carl Sarens, Director of Technical Solutions, Projects and Engineering stated: "Zanetti is a company with which we have common goals and aspirations. We are looking forward to the new challenges we can face together

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# TOWER CRANES RENTAL SERVICE MARKET TO EYEWITNESS MASSIVE GROWTH



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### Tower Cranes Rental Service Market to Eyewitness Massive Growth by 2031 | Sarens NV, ALL Erection & Crane Rental Corp, Mammoet

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7 July 2023  
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# SARENS INVESTS IN CORNISH FLOATING PLATFORM



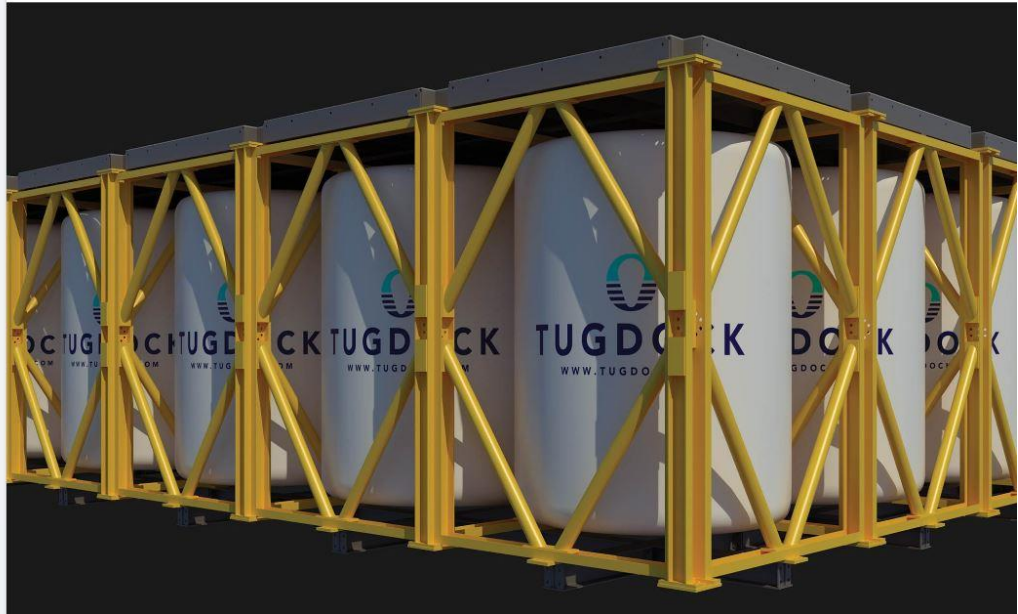
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## Sarens invests in Cornish floating platform

 The Construction Index  
17 February, 2023

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# BREAKING NEW FRONTIERS: SARENS PERFORMS MAJOR LIFTS AND LOAD-OUT FOR THE FIRST PILOT FLOATING WIND FARM IN FRANCE



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## Breaking new frontiers: Sarens performs major lifts and load-out for the first pilot floating wind farm in France

Sarens | Sponsored by Sarens | 11 July 2023



Sarens performs major lifts, weighs, and load outs for three floating foundations in Fos-sur-Mer, France.



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# Mobile Cranes Rental Market Growth | 2030 - Buckner Heavylift Cranes, LLC, Mammoet, Sarens NV, Starlog Enterprises Limited, Action Construction Equipment, etc.

The Global Mobile Cranes Rental market is anticipated to rise at a considerable rate during the forecast period, between 2022 and 2030. In 2021, the market is growing at a steady rate and with the rising adoption of strategies by key players, the market is expected to rise over the projected horizon.

Published 12 July 2023

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**"[Mobile Cranes Rental Market](#)" [2023-2030] Research Report Analysis and Outlook Insights | Latest Updated Report** | is segmented into Regions, Applications (**Construction, Industrial, Mining & Excavation, Marine & Offshore, Oil & Gas, Others**), and Types (**All Terrain Crane, Crawler Crane, Rough Terrain Crane, Truck Loader Crane, Others**). The report presents the research and analysis provided within the Mobile Cranes Rental Market Research is meant to benefit stakeholders, vendors, and other participants in the industry.

# CRANES RENTAL MARKET IS BOOMING WORLDWIDE

Press release

## Cranes Rental Market is Booming Worldwide | Sarens NV, Mammoet, Lampson International

07-11-2023 07:20 PM CET | Advertising, Media Consulting, Marketing Research  
Press release from: [AMA Research & Media LLP](#)



Cranes Rental Market

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Latest released the research study on Global Cranes Rental Market, offers a detailed overview of the factors influencing the global business scope. Cranes Rental Market research report shows the latest market insights with upcoming trends and breakdown of the products and services. The report provides key statistics on the market status, size, share, growth factors of the Cranes Rental. The study covers emerging player's data, including: competitive situation, sales, revenue and global market share of top manufacturers are Sarens NV (Belgium), Mammoet (Netherlands), Lampson International LLC (United States), Action Construction Equipment Ltd. (India), Maxim Crane Works, L.P. (United States), ALE (United States), Sanghvi Movers Limited (India), Deep South Crane and Rigging (United States).

# INDIA SETS A NET ZERO OBJECTIVE FOR 2070 BY CAPITALIZING ITS HUGE ONSHORE WIND POTENTIAL OF 1TW

July 22, 2023

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Business

## India sets a net zero objective for 2070 by capitalizing its huge Onshore wind potential of 1TW

By Neel Achary | July 1, 2023 | 3 min read

**India sets a net zero objective for 2070 by capitalizing its huge Onshore wind potential of 1TW – more than Spain, France and Italy combined**



On 6th July 2023, India has already reached more than 40 GW of installed onshore wind capacity, making it the world's fourth largest market in terms of installed wind capacity.

Sarens will be a key partner in the consecution of this ambitious objective thanks to its advanced fleet of cranes and SPMTs and its high quality and safety standards.

Recent ground investigations indicate that India has a gigantic gross wind potential of 302 GW at 100 meters and 695.50 GW at 120 meters above ground level, a total of almost 1TW in the next years. In this context of opportunity, this country has decided to bet heavily on onshore wind energy to help with the goal of achieving net zero emissions by 2070 thanks to its vast expanse of land with high potential for harnessing wind power.

The construction of the wind structures needed to boost energy generation requires advanced machinery and precise workmanship. Sarens, world leader in heavy lifting, engineered transport and crane rental services, continues to consolidate its position as a reference player for the global wind industry, offering a comprehensive solution in the case of onshore wind farms, by providing integral TCI (Transport, Crane and Installation) services and factory to foundation solutions, as well as marshalling, which is a competitive advantage for the development of any project, regardless of its magnitude.

Nowadays, after more than three decades of investing in the development of harnessing wind technology for power generation, India's wind power generation capacity has increased considerably in recent years. They already have almost 43 GW of installed onshore wind capacity, which is mainly spread across the southern, western and northwestern states. This makes the country the world's fourth largest market for installed wind capacity, only behind China, the United States and Germany.

However, this figure is still far short of India's ambitious target of 140 GW (of which 30 GW will be offshore wind) of installed wind power capacity by 2030. The Central Electricity Authority (CEA) has estimated that wind power will account for 17.13% (140 GW) of installed capacity by 2029-2030 to ensure an optimal generation capacity mix.

There are currently more than 100 onshore wind farm facilities active in India. The following stand out for being the most significant ones: Muppandal wind farm, the largest operational onshore wind farm in India, located in Tamil Nadu. It has an installed capacity of 1,500 MW, making it the third largest operational onshore wind farm




# INDIA SETS A NET ZERO OBJECTIVE FOR 2070 BY CAPITALIZING ITS HUGE ONSHORE WIND POTENTIAL OF 1TW



7 Jul 2023

## India sets a net zero objective for 2070 by capitalizing its huge Onshore wind potential of 1TW

### India sets a net zero objective for 2070 by capitalizing its huge Onshore wind potential of 1TW – more than Spain, France and Italy combined



On 07th July 2023, India has already reached more than 10 GW of installed onshore wind capacity, making it the world's fourth largest market in terms of installed wind capacity. Sarens will be a key partner in the consecration of this ambitious objective thanks to its advanced fleet of cranes and lift trucks and its high quality and safety standards. Recent ground investigations indicate that India has a gigantic gross wind potential of 200 GW at 100 meters and 666.60 GW at 200 meters above ground level, a total of almost 1TWh in the next years. In this context of opportunity, this country has decided to bet heavily on onshore wind energy to help with the goal of achieving net zero emissions by 2070 thanks to its vast expanse of land with high potential for harnessing wind power. The construction of the wind structure needed to boost energy generation require advanced machinery and precise workmanship. Sarens, world leader in heavy lifting, highcapacity transport and crane rental services, continues to consolidate its position as a reference player for the global wind industry, offering a comprehensive solution in the case of onshore wind farms, by providing integral TIC (Transport, Crane and Installation) services and factory to foundation solutions, as well as marshaling, which is a competitive advantage for the development of any project, regardless of its magnitude. Nowadays, after more than three decades of investing in the development of harnessing wind technology for power generation, India's wind power generation capacity has increased considerably in recent years. They already have almost 45 GW of installed onshore wind capacity, which is mainly covered across the southern, western and northwestern states. This makes the country the fourth largest market for installed wind capacity, only behind China, the United States and Germany. However, this figure is still far short of India's ambitious target of 100 GW (of which 30 GW will be offshore wind) of installed wind power capacity by 2025. The Central Electricity Authority (CEA) has estimated that wind power will account for 103% (103 GW) of installed capacity by 2029-2030 to ensure an optimal generation capacity mix. There are currently more than 100 onshore wind farm facilities active in India. The following stand out for being the most significant ones: Muppandal wind farm, the largest operational onshore wind farm in India, located in Tamil Nadu. It has an installed capacity of 1,500 MW, making it the third largest operational onshore wind farm in the world. Jaikalmir wind farm, which is the second largest wind farm in India, and the Acumil, located in Andhra Pradesh, constitute other farms in this sector. This

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## India sets a net zero objective for 2070 by capitalizing its huge Onshore wind potential of 1TW

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India sets a net zero objective for 2070 by capitalizing its huge Onshore wind potential of 1TW – more than Spain, France and Italy combined



On 6th July 2023, India has already reached more than 40 GW of installed onshore wind capacity, making it the world's fourth largest market in terms of installed wind capacity.

Sarens will be a key partner in the consecution of this ambitious objective thanks to its advanced fleet of cranes and SPMTs and its high quality and safety standards.

Recent ground investigations indicate that India has a gigantic gross wind potential of 302 GW at 100 meters and 696,50 GW at 120 meters above ground level, a total of almost 1TW in the next years. In this context of opportunity, this country has decided to bet heavily on onshore wind energy to help with the goal of achieving net zero emissions by 2070 thanks to its vast expanse of land with high potential for harnessing wind power.

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However, this figure is still far short of India's ambitious target of 140 GW (of which 30 GW will be

SARENS TRANSPORTED HEAVY EQUIPMENT FOR ARAMCO-OPERATED MARJAN OIL FIELD TO INCREASE PRODUCTION

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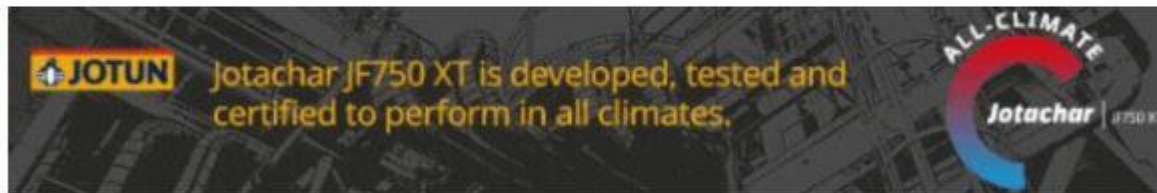
# Sarens transported heavy equipment for Aramco-operated Marjan oil field to increase

# Saudi Aramco continue expansion in the Marjan field

Published by Jack Roscoe, Editorial Assistant

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Oilfield Technology, Wednesday, 14 June 2023 09:10



The Marjan Field Expansion will process 2.5 billion ft<sup>3</sup> of gas per day.

The project aims to expand the field and increase its crude oil production capacity by 300 000 bpd, reaching a total of 800 000 bpd after the facility expansion.

Sarens transported the heavy equipment from the supplier's facility in Rabiq, Western Saudi Arabia, to Marjan's facility in Safanya, North-eastern Saudi Arabia, and then carrying out the assembly of parts for the new platform modules.

Saudi Aramco has already begun expansion work on the Marjan oil field, which already has the capacity to produce up to 500 000 b/d of crude oil from existing infrastructure, to compensate for the reduction in oil capacity at other nearby fields.

The Marjan oil field is owned by the Saudi Arabian state-owned oil and gas company Saudi Aramco, which has relied on Abdullah Nass and Partners (ANPC) with Sarens Consultancy, to

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## Rekordowe ładunki na drogach wodnych i lądowych

13 lipca 2022 7 0

W tym roku ogromnym projektem (**największym w historii Polski transportem rzeczno-drogowym**) jest praca nad instalacją Kompleksu Ołafin III, inwestycji PKN Orlen w Płocku. – Umowę z naszym klientem, czyli międzynarodowym konsorcjum Hyundai Engineering i Technicas Razandias, które odpowiada za realizację projektu budowy Kompleksu Ołafin III, inwestycji PKN Orlen, podpisaliśmy pod koniec lipca 2022 roku – wyjaśnia dyrektor działu Projects DSV Air & Sea i szef całego projektu Grzegorz Samoń.

### Wodą i drogą

Firma zrealizowała już 80 proc. dostaw. Umowa obejmowała transport elementów krytycznych inwestycji: 30 proc. z ponad 1000 ładunków, które dotąd przyspłynęły do Gdańska, to ładunki ponadgabarytowe i ciężkie: **Ponadto parametry 30 z nich przekraczały 200 ton, 60 m długości i 7m wysokości lub szerokości.** Sam Wash Tower ważył 850 ton. – W momencie zawarcia umowy zakładaliśmy, że do transportu największych elementów wykorzystamy Wisłę jako główny kanał transportowy, i że pierwsze transporty rozpoczną się w lutym lub marcu 2023 roku. Już jesienią 2022 roku przewidywaliśmy, że warunki wodne na Wiśle pozwolą się wcześniej, dlatego zdecydowaliśmy się na przeniesienie terminu rozpoczęcia dostaw na styczeń. Od początku mieliśmy bardzo wyrównane terminy, a natura zdecydowała, że przyjęliśmy jeszcze bardziej ambitny harmonogram – podkreśla Samoń.

Czytaj więcej

Transport tak dużych elementów z wybrzeża w głąb Polski wymagał wielu przygotowań formalnych: podpisanie odrębnych, właściwych umów z samorządami, zarządcami dróg, właścicielami linii elektroenergetycznych. – Dzięki zaangażowaniu wszystkich stron uzyskaliśmy niezbędne zgody w bardzo krótkim czasie. Wiele czasu poświęciliśmy na odpowiednie zaplanowanie trasy transportów oraz dobranie odpowiednich partnerów do jego realizacji. Dzięki naszemu partnerowi, firmie Sarens, uzyskaliśmy niezbędne zezwolenia oraz platformy do przewożenia ładunków zarówno w porcie w Gdańsku, jak i w Płocku. Dodatkowo, oprócz różnego rodzaju sprzętu pozyskanego w Polsce, musieliśmy pozyskać część barek oraz żurawi wykorzystywanych w projektach infrastrukturalnych z zagranicy – zaznacza dyrektor działu Projects DSV Air & Sea.

Wspomina, że wspólnie z zespołem specjalistów DSV oraz partnerów kilkakrotnie objechał całą trasę. – Wielokrotnie sprawdzaliśmy pomiary w punktach krytycznych. Każdy detal miał znaczenie. Jako ciekawostka, do końca **nie byliśmy pewni czy zarządcy dróg udostępnią nam możliwość przejazdu drogą 57 czy A1 – maksymalna dopuszczalna wysokość różni się o kilka centymetrów między tymi drogami.** Co miało wpływ na planowanie transportów dla kilkudziesięciu

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Publikacja: 05.07.2023 09:23



# SARENS RÉAMÉNAGE ROLAND GARROS EN VUE DES JO DE PARIS 2024

## CONSTRUC

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## Sarens réaménage Roland Garros en vue des JO de Paris 2024

Par la rédaction. Publié le 30 juin 2023.



Crédit : Sarens



NEWSLETTERS

Archiver cet article

Sarens a été sélectionné pour participer aux travaux de réaménagement du Roland Garros à l'occasion des prochains JO de Paris 2024.

Dans l'optique des Jeux de Paris 2024, le stade Roland Garros accueillera chaque année jusqu'à 14 000 personnes, abritant non seulement des compétitions de tennis, mais aussi des événements de boxe. Des rénovations sont en cours en vue de l'installation d'un toit rétractable.

## BALTIC EAGLE'S OFFSHORE WIND FARM STOPS THE EMISSION OF 1M TONS OF CO2

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# Baltic Eagle's Offshore Wind Farm Stops the Emission of 1M Tons of CO2

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PUBLISHED JUN 4, 2023 9:52 PM BY **THE MARITIME**

**EXECUTIVE**

[By: Sarens]

This installation, located in the north-east of the island of Rügen off the coast of Pomerania (Germany), will have 50 turbines of 9.53 MW, which will be able to generate power for more than 475,000 households in the region.

Sarens is directly involved in the construction of this wind farm both in the German port of Sassnitz.



# BALTIC EAGLE'S OFFSHORE WIND FARM STOPS THE EMISSION OF 1M TONS OF CO2

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## Baltic Eagle's Offshore Wind Farm Stops the Emission of 1M Tons of CO2

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This installation, located in the north-east of the island of Rügen

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Published Jun 1, 2023 3:53 PM by [The Maritime Executive](#)  
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This installation, located in the north-east of the island of Rügen off the coast of Pomerania (Germany), will have 50 turbines of 9.53 MW, which will be able to generate power for more than 475,000 households in the region.

Sarens is directly involved in the construction of this wind farm, both in the German port of Sassnitz-Mukran, where is performing the marshalling of the transition pieces using the TP-Handler 2.0 device, and in Rostock, where the new Liebherr LR 12500-1.0 will lift the monopiles for their assembly in the transition pieces before loading them into vessels for transport to their final location.

The new Baltic Eagle offshore wind farm, located 30 km off the coast of Pomerania in Germany, on the north-east of the island of Rügen, will generate around 1.9 TWh of power, enough to supply more than 475,000 households in the area with renewable energy when commissioned by the end of 2024, avoiding the emission of around one million tons of CO2 into the atmosphere each year.

Sarens, world leader in heavy lifting, engineered transport and crane rental services, is playing a direct role in the installation of this wind farm, taking care of various logistical tasks of vital importance. In the Sassnitz-Mukran port, located in the north-east of Germany, Sarens is performing the marshalling of the transition pieces, using their state-of-the-art TP-Handler 2.0 device.

At the same time, Sarens has placed its new LR12500-1.0 crane, the first unit of this model delivered by the German manufacturer Liebherr, in the port of Rostock for the lifting of the 50 monopiles, fabricated by EEW. In order to carry out this lifting to over 90 meters, Sarens has also used an LR1800-1.0 crane to work in tandem with the new LR12500, enabling to lift the 1,400 tons monopiles into the water.

Sarens has also assisted in the loading of the 4,400-ton substation to be used in Baltic Eagle, which was manufactured by Equans in Belgium. For this, the substation was loaded on a barge with the help of various SPMTs to later be secured with Sarens winches. Once the load was carried out on the barge, the

# QUARTER 2

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## SARENS DEFY LOGISTICAL CHALLENGES WITH CC3800 LIFT



Industry News, International, Projects, Reduced Emissions

# Sarens defy logistical challenges with CC3800 lift



JACK ALFONSO  
June 27, 2023, 9:58 am



# FUSION ENERGY WILL BE ABLE TO OBTAIN THE ENERGY CONTENT OF MORE THAN 500 LITERS OF GASOLINE WITH A SINGLE LITER OF WATER

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**Fusion Energy will be able to Obtain the Energy Content of More Than 500 Liters of Gasoline with a Single Liter of Water**

Date: 01/03/2022

The future promises us one of the best solutions of clean energy: fusion. Scientists had produced greenhouse gases, and greenhouse gases being having contribution towards climate change.

© 2022 Fusion Energy. All rights reserved. This is a private document of Sarens. Please do not disseminate it without Sarens' written consent.

Fusion will provide a secure and abundant supply for thousands of years. One liter of ordinary water contains enough deuterium to provide the energy content (when fused with tritium) of more than 500 liters of gasoline. It is also a clean source of energy because its generation produces no greenhouse gas emissions.

The main driving force behind this new form of clean energy generation is the Culham Centre for Fusion Energy (CCFE). It is part of the UK Atomic Energy Authority and is based at the Culham Science Centre near Oxford, England, one of the world's leading fusion research centers, where they are developing technology and designs for the first fusion power plants.

Sarens, world leader in heavy lifting, engineered transport and crane rental solutions, has positioned itself as a driver of this innovative form of clean energy generation with its work at the CCFE plant in Abingdon, Oxfordshire (UK). At this site, Sarens engineering team has undertaken the installation of two cryogenic storage tanks.

For this task, the Sarens team used a Liebherr LTM 5000-1 crane, which has a load capacity of 500 tons. They supplemented the necessary equipment with a 110-ton capacity Tadano crane, which was used for the tandem lifting and for the installation of the unit.

The complexity of the operation was more about site access than the lifting work itself. Due to the large size of the crane, it could not fit through the main entrance and an alternative access had to be found. The entire project, based on the lifting and placement of the two tanks, one 150m<sup>3</sup> and 26,000 kg, and the other 30 m<sup>3</sup> and 5,024 kg, was completed in four days including the erection of the cranes.

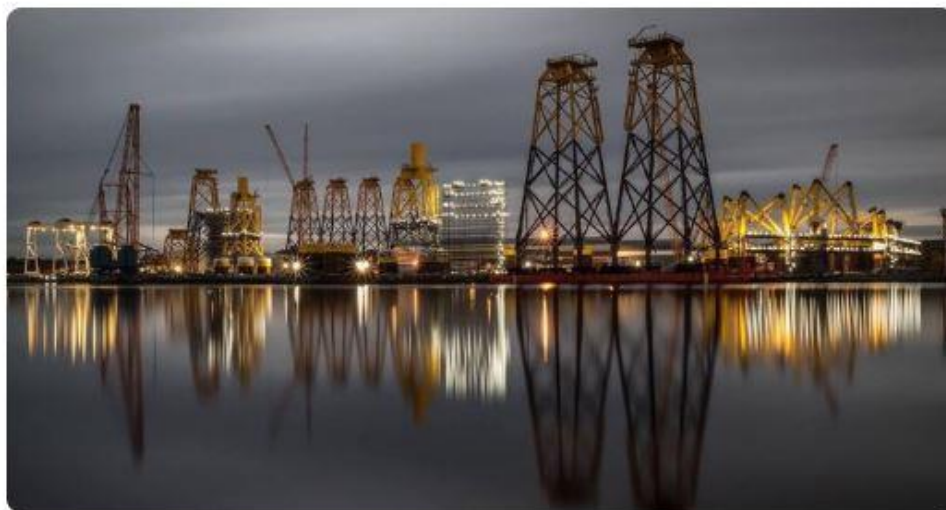
The installation of the new tanks will allow the CCFE to continue research to realize the enormous potential of fusion to generate electricity. Fusion is the process that occurs when light nuclei fuse to form a heavier core. For this phenomenon to occur, a combination of hydrogen gases - deuterium and tritium - is heated to very high temperatures (over 100 million degrees Celsius). The gas becomes plasma, and

## NEARSHORING: LA RESPUESTA PARA REVITALIZAR EL SECTOR DE LA CONSTRUCCIÓN EN MÉXICO



### Nearshoring: la respuesta para revitalizar el sector de la construcción en México

julio 3, 2023



El sector de la construcción mexicano prevé un gran crecimiento gracias al nearshoring. Dados los recientes acontecimientos que han afectado el contexto económico global, la pandemia, la guerra de Ucrania y los recientes conflictos comerciales entre EE.UU. y China, se comienzan a vislumbrar las oportunidades que presenta este sistema, basado en la subcontratación de empresas extranjeras de países relativamente cercanos, con el objetivo de poder mantener una comunicación efectiva y a la vez reducir costos. En otras palabras: un modelo específico de inversión extranjera para impulsar la industria nacional.

De hecho, el Reporte Bursátil 2022 del Grupo Financiero Monex, México se encuentra entre los tres países que poseen características más aptas para el nearshoring, entre los que destacan los recursos naturales, el cambio relativo de la balanza comercial, el costo de producción de la energía, la capacidad y alcance de la fuerza laboral y los bloques comerciales con países desarrollados.


# SARENS COLABORA EN ATRACCIÓN ICÓNICA DE CIUDAD DE MÉXICO

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LO NUEVO

FERRETERIA: Ferretería impulsa el sector ferretero en Nuevo León



## Sarens colabora en atracción icónica de Ciudad de México

f t g+ 19 de Junio del 2013 | Por Eilan Lagorreta

- La Rueda de la Fortuna del nuevo Parque Urbano Aztlán

Sarens colabora en la instalación de una de las atracciones más altas del mundo. La Rueda de la Fortuna del Parque Urbano Aztlán en Ciudad de México. La nueva atracción tendrá 85 metros de altura y ofrecerá un recorrido de 20 minutos con vistas panorámicas de la ciudad.

Durante cinco meses, Sarens trabajará junto con Mota Engil México en el levantamiento de las piezas de la rueda de la fortuna utilizando una unidad de Kobelco CKE 4000 y una Terex RT 760E como apoyo.

El Parque Urbano Aztlán se encuentra en el Bosque de Chapultepec y reemplaza a la Feria de Chapultepec. La instalación de la rueda de la fortuna se estima en cinco meses, y contará con 42 cabinas cerradas equipadas con aire acondicionado, calefacción y bluetooth para reproducir música durante el trayecto de 15-20 minutos.

Mota Engil México recurrió a la experiencia internacional de Sarens para el levantamiento de la estructura, utilizando una grúa Kobelco CKE 4000 y una unidad Terex RT 760E.

El Parque Aztlán contará con 22 juegos mecánicos gratuitos para los habitantes de Ciudad de México. La construcción se realizará en tres etapas, y la primera, que incluye la feria y el área de entretenimiento y cultura, se inaugurará el 30 de agosto.

Además de la rueda de la fortuna, el parque contará con el Museo Dolores Olmedo, la Montaña Suspendida, el Carrusel Veneciano y la Casa de los Sustos, entre otros juegos mecánicos.

Sarens, reconocida por su experiencia en proyectos de construcción en México, ha

## SARENS PARTICIPATES THE CONSTRUCTION OF THE MADISON SQUARE GARDEN SPHERE IN LAS VEGAS, THE WORLD'S LARGEST DOME.

### Sarens participates the construction of the Madison Square Garden Sphere in Las Vegas, the world's largest dome.

Sarens is currently collaborating in the construction of this ambitious project located in Las Vegas. Once completed it will be the world's largest man-made sphere.

BY SVC ONLINE EDITOR  
PUBLISHED: JULY 6, 2023



Sarens, global leader in heavy lifting and engineered transport, has already started its collaboration in the construction of the Madison Square Garden Sphere in Las Vegas. The arena is going to be one of the largest in the world, with a sitting capacity of more than 17,000 people and measuring 364 ft high and 515 ft wide.

Sarens has been selected by W&W Steel, supplier of the iron beams used, to carry out the lifting and placing of the pieces that will make the infrastructure possible, thanks to its experience in developing large-scale projects in a wide range of industries, such as the [Hinkley Point](#) nuclear power plant or the lifting of the [SpinLaunch](#) turbine, among many others. Sarens is currently working on the structure of the building and will remain on site until its completion in 2023.

To begin this project, Sarens transported all the necessary equipment from its headquarters in Belgium to Las Vegas, which took 30 days by ship to California. Once there, the cranes were transported on a 12-axle SPMT (self-propelled modular transport) trailer to Las Vegas. This trip took 10 days and covered in total more than 5,890 miles.

Sarens is using two different crane models for this job: CC 8800/1 with an additional 295ft boom and 275ft Luffing Jib, and a CC 6800/1 model with a 275ft boom and 236ft Luffing Jib. This selection was made based on the ability of the cranes to lift extremely heavy structures and make turns, as it was planned to be able to lift and place the beams from two opposite points.



INDUSTRY REVIEW TUGS & TOWAGE

# Weathering the storm

As cargo operations return to something akin to normal, Ian Cochran asked some of the leading tugs and towage players for an assessment of the market today and their main concerns going forward.

The tug and towage market has not been as severely affected by Covid-19 restrictions this year compared with what was seen over the previous two years. 'New normal' precautions and protocols have caused only minor disruptions to projects, according to Sandro Lipani, director of chartering and operations at Italy-based towage company Augustea advised.

Addressing ship towage, Kasper Karlsen, chief operating officer at Svitser Europe, said that while cargo levels have continued to increase since 2021, China's zero-covid measures earlier this year contributed to a slight dip in trade flows.

These events had some knock-on effects for tugs and towage worldwide, but without clear alignment between trade volumes and the number of jobs. For example, in the UK the total freight throughput at ports increased in the fiscal year March 2021/2022. However, the vessel calls have not always

grown as a result, meaning that tug operators have seen only limited uplift in activity, he said.

In this period of worldwide price inflation, tug and barge rates have in turn risen up the commercial agenda. Lipani said that since the middle of last year, Augustea had noted an average rate increase of around 20 percent year-on-year and had also seen more positive effects on the utilisation of the vessels.

## Rising rates

Belgium-headquartered transport engineering and lifting group Sarens also owns/operates heavy-duty barges. Kleopatra Kijiri, group marketing and communications manager, agreed that rates had undoubtedly risen due to rising gas prices and supply chain disruption.

However, Svitser's Karlsen said that in the ship towage sector, rates had not seen any significant increase, aside from inflationary adjustments, since last year.

A major problem going forward for those active in the tug and towage sector is the rising cost of fuel. Lipani said that this inflationary problem is having a significant and structural impact on the sector.

"The contracts we use have bunker escalation provisions that might be passed onto the customer. However, we try to mitigate these effects, as our vessels have been built to burn marine gas oil (MGO) and very-low sulphur fuel oil (VLSFO), which replaced IFO 380.

"Unless there are specific regional restrictions to the use of VLSFO (for instance SBICA/ICA areas), we try to keep the option to burn a fuel that is generally US\$200 per tonne cheaper than MGO.

"With the current geopolitical scenario, we do not expect significant changes in the current fuel price ranges and fluctuation trends throughout next year. The indications received from our suppliers confirm our feelings," he said.



# SARENS WORKS AT THE FIRST INTEGRATED WASTE MANAGEMENT PROJECT IN HONG KONG

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**SARENS WORKS AT THE FIRST INTEGRATED WASTE MANAGEMENT PROJECT IN HONG KONG**

Sarens continues working, from the analysis to the implementation of the first integrated waste management project in Hong Kong.

# HEAVY LIFT AWARDS - THE JUDGING BEGINS



**HEAVY LIFT AWARDS 2023**  
 25 OCTOBER 2023  
 ROYAL LANCASTER HOTEL

Entries have been submitted and the judging process is under way for the Heavy Lift Awards 2023.

Once again, the Heavy Lift Awards attracted a staggering number of entries demonstrating the depth and breadth of excellence in the project logistics sector. Our esteemed panel has now begun the process of reviewing the entries to decide upon a shortlist for this year's event, which will be announced this summer.



Keep your eyes peeled on the HLPFI website for this year's shortlist announcement. Also be on the lookout for the opening of this year's Readers' Vote Awards, which gives you the opportunity to decide upon the best pictures and video from the sector. With attention now turning to the ceremony at the Royal Lancaster Hotel in London on October 25, make sure you

secure your space and book a table today. All details can be found at the dedicated awards website - [www.heavyliftawards.com](http://www.heavyliftawards.com) - with the early bird rate available until June 26.

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Industrial Projects, Fracht Group, Goldhofer, Hareket, Sarens, Trans Global Projects (TGP), and UTC Overseas - as well as our judges who have dedicated their time and expertise to help make the awards a success.

Thank you to all that submitted an entry this year - we wish you the best of luck!

**HLPFI**

## THE CATEGORIES

<p><b>Airfreight Solution of the Year</b>                  Sponsor: Blue Water Shipping</p> 	<p><b>Port/Terminal Operator of the Year</b>                  Sponsor: UTC Overseas</p> 
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<p><b>Excellence in Engineering</b>                  Sponsor: DHL Industrial Projects</p> 	<p><b>Project Logistics Provider of the Year</b>                  Sponsor: AAL Shipping</p>  <p>powered by partnerships</p>
<p><b>Innovation Award</b></p> <p><b>Lifetime Achievement Award</b>                  Sponsor: Sarens</p> 	<p><b>Safety and Training Award</b>                  Sponsor: Hareket</p> 
<p><b>Overland Transport Provider of the Year</b>                  Sponsor: Goldhofer</p> 	<p><b>Ship Operator of the Year</b>                  Sponsor: Trans Global Projects Group</p> 

## THE GREENING OF CIVIL ENGINEERING



Sarens working on the installation of a bridge connecting the Athletes' Village for the 2024 Olympic Games in Paris, France.

# The greening of civil engineering

**Sustainability is now a clear trend across all industrial activity – and civil engineering is no exception, writes Phil Hastings.**

**E**nvironmental influences are having an increasing impact on civil engineering projects around the world and in a range of different ways. Those factors include the types of project being commissioned, their design, how construction work is carried out, and the requirements demanded of supporting heavy lift and forwarding service providers.

### Green interest

For example, Eslam Salah, projects director for Egytrans, said the company is "increasingly more interested in working on green projects", while Rafael Martinez, sales manager for Mammoet, said sustainability is now a clear trend across overall industrial activity and civil engineering is no exception.

"We are seeing targets relating to reductions in the use of environmentally harmful materials and the carbon footprint of projects: an increase in the energy



**We see this [sustainability] as a core responsibility and use our techniques to find better solutions which minimise the impact – direct and indirect –**

machinery," Martinez stated.

Ruedi Reisdorf, ceo of Fracht, said all civil engineering projects now undergo much larger environmental studies than in the past, with the main focus usually being on the running of that project and its environmental impact when operational rather than the actual construction work, although that does depend on the project concerned.

"From a logistics perspective, it is clear that every land transport move, whether for a project or not, now requires an additional consideration – how it can be performed in a more environmentally friendly way. Railways or waterways are often the preferred mode of transportation, if they fit in with other requirements," added Reisdorf.

### Core responsibility

Yannick Sel, group commercial director for Sarens, agreed that the environment and sustainability are increasingly important in how projects are executed. "We see this as a core responsibility and use our techniques to find better solutions which minimise the impact – direct and indirect – on the environment. That includes getting involved early with clients so such solutions can be studied and engineered."

Erik Zander, chief operating officer for Omega Morgan, said that while he was not sure project construction methods have changed much yet due to environmental influences, that factor is becoming apparent in relation to some of the materials being used and building specifications.

"I do believe we will start seeing requirements relating to carbon emissions in the bid specifications for projects in the coming years across different parts of North America," he stated.

He also reported that one of the central themes to emerge from a major North American construction industry trade show, ConExpo 2023, held in Las Vegas earlier this year, is a move towards electrically powered equipment.

Mammoet's Martinez provided further evidence of that trend, pointing out that his company had recently developed – and is now using – purely electric-powered self-propelled modular transporters, aiming for a "zero emissions onsite" future.

"Our innovations department is always working hard on ways to drive down the carbon emissions from our work, in recent times including innovative Insuloren

# WHY MINIMUM STANDARDS ARE NEEDED FOR USE OF SPMTS

**INDUSTRYINSIGHT**  
more news at [www.heavyliftgfi.com](http://www.heavyliftgfi.com)



## Why minimum standards are needed for the use of SPMTs

As the SPMT market matures, Mammoet believes trailer operator accreditation must be introduced to avoid serious accidents occurring.

The SPMT celebrated its 40th birthday this year and the technology has undoubtedly enabled megaprojects to be executed that otherwise would have been impossible.

SPMTs have proliferated and today thousands of axes lines are in operation around the world. They are capable yet complex machines, but it might surprise some to learn that there is no universal standard to operate this machinery.

When the SPMT market was in its infancy, the trailers were operated by specialists that had longstanding experience using hydraulic trailers – Mammoet was the first mover, followed by the likes of Sarens and Fagioli. Training and operating standards were developed and maintained in-house.

Today, the SPMT market is mature, operations have been digitised, and ultimately the

technology has been commoditised. Anyone can buy and operate this equipment. This, naturally, brings about concerns regarding safety and some are pressing for the introduction of universal operator standards.

### Best practice

ESTA recognises the need for best practice in the lifting and transport industry, and it has achieved success with the European Crane Operator Licence (ECOL). Four years ago, Mammoet's Ludo Mous approached the association to consider the development of similar accreditation for trailers – in particular SPMTs – where

there is presently no minimum standard for use.

ESTA launched a SPMT best practice guide in 2016. Version 2.0 will build on this early success and is scheduled for publication later this year. Industry executives have welcomed the steps taken, but some are pushing for more to be done.

Mous believes the matter is pressing: "With a simple SPMT combination of 24 axle lines we have a minimum of 120 hydraulic valves that all need to be set-up correctly. When this is not done, it can result in an unstable situation or damage to the trailer. We want to create awareness about the complexity of an SPMT."

**I think it easily takes a year of training before we [at Mammoet] have an operator that we would want to send to a job and still sleep nicely.**

— Ludo Mous, Mammoet

He added that, unlike a crane, an SPMT does not have an integrated control system mounted onboard, or multiple safety systems guarding the user – the knowledge and skill of the operator is critical to safe performance.

He cited reports of operators receiving just four days of training before being let out into the field. "I think it easily takes a year of training before we [at Mammoet] have an operator that we would want to send to a job and still sleep nicely."

Mous wants to see the introduction of a minimum standard for SPMT use, even if that means sharing proprietary experience and expertise. "We could just keep our mouth shut and wait for the accidents. There is so much competition but we have to act."

### Setting objectives

He believes the industry leaders are willing and prepared to come together and set down a minimum standard level for SPMT use.

"We do not want to see accidents happen. Why do we accept this as an industry? Why do our clients accept that there are people without experience or proper knowledge driving their transports?"

Other issues include a lack of standardised terminology for trailer components, unlike the crane sector that is governed by ISO norms. Concurrently, more and more SPMTs are entering and circulating around the market.

Mous is not under-estimating the difficulty of the task at hand. "We are stepping onto a moving train... we have set some guidelines with this best practice guide-plus, where we go into more detail. But always in the back of our minds, at a certain moment we will want to lift this up to a norm."

Ultimately, he feels there is a lack of basic awareness around the industry of the risks of SPMT use, and more needs to be done to promote best practice.

**HLPFI**

## NEWS *in* BRIEF

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### **Sarens** methanol delivery

**Sarens** has transported and installed 48 modules for the Sarawak Petchem methanol project in Bintulu, Malaysia, on behalf of Samsung Engineering.

**Sarens** began with the load-in of the 1,571-tonne modules at the jetty, where they had arrived from Vietnam on barges. **Sarens** then transported the modules approximately 1 km using a transport configuration of three 36-axle Kamag SPMTs.

# SARENS DESIGNS INGENUOUS GANTRY SYSTEM FOR LIFTING DIFFERENTLY-SIZED MONOPILES

**CRANES** TODAY



**OFFSHORE WIND CONTRACT FOR JOINT VENTURE IN TAIWAN**

Maatschappij staat in voor de installatie van 20- en 6-afvoer windtoren.



**SARENS DESIGNS INGENUOUS GANTRY SYSTEM FOR LIFTING DIFFERENTLY-SIZED MONOPILES**

Sarens' gantry system is a unique solution, which is used to lift and install wind turbine components.

WITH ANOTHER SUCCESSFUL TURBINE INSTALLATION, SARENS IS POWERING THE ENERGY REVOLUTION

# CRANES TODAY



### SIBITROWS GROUP SECURES MULTI-MILLION POUND CONTRACT

Oil and gas pipeline owner SIBITROWS secures contract to transport for crane and lifting equipment



### Renewable Energy WITH ANOTHER SUCCESSFUL TURBINE INSTALLATION, SARENS IS POWERING THE ENERGY REVOLUTION

Continuously innovates, improves, and makes essential tools in Belgium

# SARENS FAMILT TAKES BACK FULL OWNERSHIP

BUSINESSNEWS ROUND  
more news at [www.bnr.nl](http://www.bnr.nl)

## Sarens family takes back full ownership

The Sarens family has regained 100 percent of the shares of the Sarens Group after reaching an agreement with minority shareholder Begoon (Group Luc Tack).

Begoon took over a 22 percent stake in Sarens that was previously held by Waterland Investment fund in 2021.

Wim Sarens, ceo of Sarens, said: "With all shares in the hands of the family, we are now armed to profile ourselves even more strongly in the future as the global reference in crane rental, heavy lifting and engineered transport."

The company added: "Sarens is proud to demonstrate through this development its robust standing in the global heavy lifting arena, especially as the said change occurs in a time when key contributors in the sector are experiencing an



opposite evolution, looking for new shareholders, away from the stable long-term shareholding they have enjoyed in the past."

## Blue Water takes full control of Danwind Blue Water

Blue Water Shipping has taken full ownership of its joint venture Danwind Blue Water, which provides wind turbine installation and related services.

After 18 months as a joint venture, Danwind Blue Water will become a fully integrated part of the transport and

logistics company, operating under the Blue Water brand.

With the acquisition, Blue Water said it will be better positioned to offer installation and maintenance services to the increasing number of onshore and offshore wind energy projects.



## Egytrans to acquire NOSCO

Egytrans has agreed to acquire 99.9 percent of the share capital in Egyptian specialised transport provider National Transport and Overseas Services Company (NOSCO).

Abir Leheita, ceo of Egytrans, said: "We will strive to leverage NOSCO's capabilities, especially

its extensive fleet and technical experience to achieve maximum operational growth and target larger logistics opportunities and projects, in addition to expanding geographically and operationally across local, regional and global markets."

### NEWS in BRI

#### ESTA internships

The European association of air road transport and mobile infrastructure has launched an internship scheme which will enable all ESTA member companies to send a young employee with management potential to a member association for a set period of time. The interns will receive research assignment and will be provided with board, lodging and travel costs. Their salary will still be paid by their parent company or organization.

#### Omega acquires W

USA-headquartered transport engineering specialist Omega has acquired California-based Brothers Machinery Moving.

#### Crowley opens in E

USA-based maritime and logistics company Crowley has opened a new services office in Eureka, Calif. part of its plans to develop a new wind terminal at Humboldt.

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ECONOMIA

# Sarens entra in Zanetti Solution con Effe Holding di Carlo Fagioli

La multinazionale è leader nel noleggio di gru, sollevamento e trasporto

Partnership concentrata sulla fornitura ai clienti di soluzioni tecniche

**Reggio Emilia** Zanetti Solution ha raggiunto un accordo con Sarens in base al quale quest'ultima acquisirà le azioni dell'azienda italiana specializzata in soluzioni innovative e altamente personalizzate.

Insieme a Sarens, Effe Holding Srl - di proprietà dell'imprenditore italiano Carlo Fagioli - sta contemporaneamente acquistando le azioni di Zanetti Solution. Zanetti Solution rimane in possesso della quota di maggioranza dell'organizzazione.

Questa operazione mira ad arricchire le attività commerciali di tutte e tre le parti coinvolte, in Italia e non solo. La partnership si concentrerà sulla fornitura ai clienti di soluzioni tecniche per le loro sfide ingegneristiche.

«Zanetti è un'azienda con cui condividiamo obiettivi e aspirazioni - chiarisce Carl Sarens, direttore delle soluzioni tecniche, dei progetti e dell'ingegneria - Non vediamo l'ora di affrontare le nuove sfide che potremo affrontare insieme per servire al me-



glio del mercato italiano e non solo». «Siamo orgogliosi - sottolinea Laurano Zanetti, socio di maggioranza di Zanetti Solution - di incorporare tra le nostre fila Sarens ed Effe Holding. Siamo certi che l'unione delle nostre forze e del nostro know-how ci porterà a nuovi traguardi».

«Dopo diversi anni dall'uscita dal Gruppo Fagioli, la mia passione per la logistica mi ha portato ad accettare questa nuova sfida imprenditoriale al fianco di Zanetti Solution e del colosso internazionale Sarens. Siamo entusiasti di far parte di questa unione» dichiara Carlo Fagioli, imprenditore alla guida, in-

Da sinistra l'imprenditore reggiano Carlo Fagioli, Laurano Zanetti e Carl Sarens

sieme al fratello Giovanni, del Gruppo Snaft Logistica Spa, leader mondiale nei servizi logistici per la movimentazione delle merci nel settore moda, e del Gruppo SodiMax, che si occupa di project forwarding a livello internazionale, con particolare attenzione all'Africa. In qualità di proprietario di Effe Hol-

ding, sta unendo le forze con Zanetti Solution e Sarens.

Per gli aspetti legali e contrattuali, le parti sono state assistite da Themis Studio Legale, con un team formato dalle partners, gli avvocati Domizia Badodi e Alessandra Davoli.

Zanetti Solution è un'azienda italiana con oltre 50 anni di esperienza nei servizi di ingegneria, collaudo, pesatura industriale, trasporto, sollevamento e sistemi alternativi di sollevamento, specializzata in soluzioni innovative e altamente personalizzate. L'azienda opera nei settori Oil & Gas, edile, energetico, ceramico, navale e civile.

Sarens è leader e punto di riferimento a livello mondiale nei servizi di noleggio di gru, sollevamento di carichi pesanti e trasporto ingegnerizzato. Grazie ad attrezzature all'avanguardia e all'ingegneria del valore, Sarens offre ai propri clienti soluzioni creative e intelligenti per le sfide odierne del sollevamento pesante e del trasporto ingegnerizzato. La presenza globale di Sarens, la sua ampia flotta di gru e la sua vasta esperienza la rendono un partner prezioso in una varietà di settori, tra cui l'edilizia on e offshore, il civile, il nucleare, l'Oil & Gas.

Sarens è un gruppo multinazionale con 100 uffici nei cinque continenti e oltre 4.000 dipendenti in tutto il mondo.

## L'export reggiano prende il volo Nel primo trimestre 2023 è +10,3%

Luppi, presidente Confartigianato Lapam: «Ma non culliamoci sugli allori»



Giulio Luppi

Presidente di Lapam Confartigianato di Modena e Reggio

**Reggio Emilia** «Il dato è sicuramente confortante, ma non dobbiamo cullarci sugli allori e pensare che la strada sia in discesa».

Da Lapam Confartigianato commentano positivamente i dati dell'export reggiano nel primo trimestre del 2023 che segna un +10,3% rispetto allo stesso periodo dell'anno precedente. Secondo un'indagine effettuata dall'ufficio studi dell'associazione, nei primi mesi di quest'anno il valore delle esportazioni della provincia di Reggio Emilia sfiora i 3,6 miliardi, pari al 17% delle

esportazioni dell'Emilia-Romagna. Bisogna specificare che l'aumento del valore delle esportazioni è influenzato da un'inflazione elevata e dall'andamento dei prezzi all'esportazione, che per i prodotti manifatturieri non energy su base annuale hanno registrato un +8,5% a gennaio, un +7,6% a febbraio e un +5,7% a marzo 2023.

Scendendo nel dettaglio per quanto riguarda l'export delle micro e piccole imprese, se confrontiamo le esportazioni del primo trimestre 2023 con quelle del 2022, la provincia di

Reggio Emilia vede un incremento del 19,2%, variazione superiore al +10,3% dell'export totale: oltre la metà dell'export delle micro e piccole imprese (il 53,3%) è dovuto ad articoli di abbigliamento.

I manufatti realizzati in provincia di Reggio Emilia nei settori a maggior presenza di MPI vengono venduti per due terzi (66,4%) nei vicini Paesi UE, dove l'export di questi prodotti registra un +16,6% nel primo trimestre 2023, superiore al +6,8% del totale manifattura reggiana. Un terzo dell'export MPI (33,6%) è invece diretto

Il valore delle esportazioni della Provincia di Reggio Emilia sfiora i 3,6 miliardi di euro pari al 17% del dato dell'Emilia Romagna



verso i Paesi extra-UE, con una crescita del 24,7%. «Come evinciamo dai numeri - concludono da Lapam Confartigianato - le micro e piccole imprese reggiane hanno assistito a una ripresa importante delle esportazioni.

Dobbiamo proseguire con gli investimenti, soprattutto in ottica di sostenibilità ed economia circolare, per affermare l'immagine di valore, efficienza e qualità che il Made in Italy rappresenta nel mondo».

## «Il sistema dei saldi è ormai obsoleto»

Cinzia Ligabue, presidente commercianti Lapam: «Il modello non funziona più»



Cinzia Ligabue Presidente commercianti di Lapam Confartigianato

**Reggio Emilia** «Ci troviamo a dover ribadire un concetto già più volte espresso dalla nostra associazione e anche dagli stessi commercianti, rischiando di risultare ripetitivi: ormai il sistema dei saldi è obsoleto».

A pochi giorni dall'avvio dei saldi estivi, in partenza in Emilia Romagna da giovedì 6 luglio, Cinzia Ligabue, presidente commercianti Lapam, rimarca per l'ennesima volta come sia necessario rivedere il periodo di sconti, sia estivi sia invernali, in tutto il sistema.

Il meccanismo dei saldi in Italia vige ormai dai primi anni 2000.

In più di vent'anni, il mercato ha subito delle trasformazioni. «È cambiata la stagionalità e, con essa, dovremmo cambiare anche il nostro modo di intendere i saldi - prosegue la presidente commercianti Lapam Cinzia Ligabue - Ormai diventa controproducente avere due mesi di sconti per noi commercianti, questo è un modello antico che non funziona più. Purtroppo è radica-

In Emilia Romagna i saldi partiranno dal 6 luglio

to nella nostra cultura, ma dovremmo avere il coraggio di iniziare un cambiamento. Per prima cosa, sarebbero sufficienti 30 giorni come lasso di tempo in cui abbassare i prezzi. In più, si potrebbe pensare di posticipare l'avvio del periodo di sconti di almeno un mese, e quindi non fare iniziare i saldi estivi a luglio, bensì ad agosto, limitandoli solo a quel periodo. Meglio ancora, poi, se si avesse il coraggio di eliminare definitivamente il meccanismo: questo non significa che non si



dovrebbero fare sconti sui prodotti, ma ogni negoziante, in base alle sue esigenze e alle sue caratteristiche, dovrebbe essere libero di decidere quando mettere i pro-

pri articoli in saldo».

«Nei grandi magazzini del Nord Europa, ad esempio, in ogni negozio viene adibito uno spazio con prodotti perennemente scontati. Come associazione, e pure io personalmente parlando anche a nome di altri colleghi, abbiamo già sottolineato a più riprese come il sistema saldi vada completamente rivisto. Senza dimenticare che, e questo lo auspichiamo da tempo, si inizi a regolamentare anche l'online, che rappresenta sempre un fattore a nostro svantaggio, dato che quotidianamente si trovano prodotti a prezzi ribassati, impedendo di fatto una concorrenza leale - conclude la presidente commercianti».



## ACCORDO CON EFFE HOLDING SRL PER ACQUISIRE ZANETTI SOLUTION

QVLA NAZIONE

PAESE :Italia

DIFFUSIONE :(45231)

PAGINE :24

AUTORE :N.D.

SUPERFICIE :3 %

PERIODICITÀ :Quotidiano□□

4 luglio 2023

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[Sarens](#)

### Accordo con Effe Holding Srl per acquisire Zanetti Solution

Zanetti Solution ha raggiunto un accordo con Sarens in base al quale quest'ultima acquisirà le azioni dell'azienda specializzata in soluzioni innovative e altamente personalizzate. Insieme a Sarens, Effe Holding Srl sta contemporaneamente acquisendo le azioni di Zanetti Solution.

## LOGISTICA CARLO FAGIOLI E SARENS ENTRANO IN ZANETTI SOLUTION

**GAZZETTA  
DI PARMA**

1 luglio 2023

PAESE :Italia  
PAGINE :7  
SUPERFICIE :3 %  
PERIODICITÀ :Quotidiano□□

DIFFUSIONE :(23887)  
AUTORE :N.D.



### **Logistica Carlo Fagioli e Sarens entrano in Zanetti Solution**

Il gruppo Sarens ed Effe Holding srl, di proprietà dell'imprenditore Carlo Fagioli, rileveranno quote di Zanetti Solution. La società di Ravenna è specializzata in soluzioni innovative e altamente personalizzate. L'obiettivo: arricchire le rispettive attività commerciali. La partnership si concentrerà sulla fornitura ai clienti di soluzioni tecniche per le loro sfide ingegneristiche.

## A SARENS ED EFFE QUOTE DI ZANETTI



luglio 2023

PAESE :Italia

PAGINE :21

SUPERFICIE :3 %

PERIODICITÀ :Quotidiano□□

DIFFUSIONE :(98970)

AUTORE :N.D.

### **A SARENS ED EFFE QUOTE DI ZANETTI**

Sarens e Effe Holding sono diventate azioniste di minoranza di Zanetti Solution, realtà italiana specializzata in soluzioni innovative e personalizzate nei settori Oil & Gas, eolico, ceramico, navale e civile. In base all'accordo Sarens acquisirà azioni di Zanetti. Anche Effe Holding, di proprietà dell'imprenditore Carlo Fagioli, sta intanto acquistando le azioni di Zanetti Solution che resta però azionista di maggioranza. L'operazione mira ad arricchire le attività commerciali di tutte e tre le parti coinvolte, in Italia e non.

# LOGISTICA: LA MULTINAZIONALE SARENS SBARCA IN ITALIA E INSIEME A EFFE HOLDING SRL ENTRA IN ZANETTI SOLUTION

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Home > Emilia-Romagna > Logistica: La multinazionale Sarens sbarca in Italia e insieme a Effe Holding...

Emilia-Romagna Ravenna Reggio Emilia

## Logistica: la multinazionale Sarens sbarca in Italia e insieme a Effe Holding SRL entra in Zanetti Solution

3 Luglio 2023



(Sesto Potere) - Ravenna - 3 luglio 2023 - Zanetti Solution, azienda che opera nei settori Oil & Gas, eolico, energetico, ceramico, navale e civile con sede a Ravenna, ha raggiunto un accordo con Sarens, punto di riferimento a livello mondiale nei servizi di noleggio di gru, sollevamento di carichi pesanti e trasporto ingegnerizzato con sede centrale in Belgio, in base al quale quest'ultima acquisirà le azioni dell'azienda italiana specializzata in soluzioni innovative e altamente personalizzate.

Insieme a Sarens, Effe Holding SRL, di proprietà dell'imprenditore reggiano Carlo Fagioli, sta contemporaneamente acquisendo le azioni di Zanetti Solution. Zanetti Solution rimane in possesso della quota di maggioranza dell'organizzazione.

Questa operazione mira ad arricchire le attività commerciali di tutte e tre le parti coinvolte,

# ESTA BACKS SPMT OPERATOR LICENCE

## ESTA backs SPMT operator licence



**Alex Dahm**  
Editor, International Cranes and Specialized Transport

26 September 2023  
3 min read



ESTA is the European association of abnormal road transport and mobile cranes

A new crane and transport operator training organisation is being set up by European industry association ESTA.

Its first work will be on a licence for operators of self propelled modular transporter (SPMT). The European Association for Abnormal Road Transport and Mobile Cranes (ESTA) has the backing of its Board members to establish the European Crane and Transport Operators Licence (ECTOL) organisation.

It will be formally given the go-ahead in the near future, assuming it receives the final approval of the supervisory board of the existing European Crane Operators Licence.

ECTOL will be an umbrella body to oversee both the existing European Crane Operators Licence (ECOL) and the new European Transport Operators Licence (ETOL) which will initially focus on training for SPMT operators.

Development of ECTOL and the ETOL licence gathered pace in 2022 and came out of work done by ESTA's expert SPMT working group. The group was set up to study how to improve the safety of SPMT operations and to update ESTA's existing SPMT best practice guide.

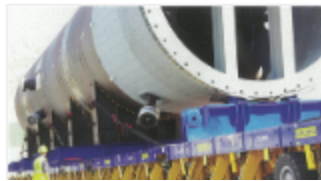
Concern has been growing in the industry at the lack of recognised training qualifications and the need to improve safety standards as the SPMT market grows.

ESTA will develop the ETOL licence scheme using the operational and management structure of the existing European Crane Operators Licence (ECOL). This is a move that will be simpler and more efficient than creating a completely new organisation from scratch.

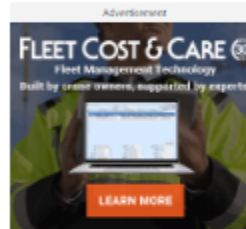
The members of ESTA's SPMT working group comprise eleven of the biggest and most influential companies in the sector.

### Strong demand

Ton Kljtn, ESTA director, said, "There is no doubt of the huge demand for an ETOL-style licence, and the training that will be required to obtain one. We have received strong backing from companies and individuals the length of the supply chain – from clients, our transport company members and operators themselves."



The working group's twelve member companies are



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**NEW JOINT VENTURE - SARENS PNG ENTERS THE PAPUA NEW GUINEA CRANE AND HEAVY LIFT MARKET**

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**NEW JOINT VENTURE SARENS PNG ENTERS THE PAPUA NEW GUINEA CRANE AND HEAVY LIFT MARKET**

Sarens, global leader and reference in crane rental, heavy lifting and engineering services, and Uzun Teknikal (UT) Papua New Guinea's leading integrated transport and logistics company have joined forces to create joint venture (JV) Sarens PNG.



**SARENS' PRECISION-GUIDED SPMTS HELP SEND STATE-OF-THE ART NAVAL VESSEL TO SEA**

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# TOPLIFT 2023: VOTE FOR YOUR FAVOURITE LIFT



## TopLift 2023: Vote for your favourite lift



**Niamh Merriott**  
Deputy Editor, International Cranes and Specialized Transport

19 September 2023  
00 8 min read

Our annual TopLift competition returns as we reveal ten of the most impressive lifts from the last 12 months. Pick one as your favourite and vote for it using the link below

[Click here to vote](#)

### 1. OFFSHORE OPERATIONS

**Equipment user:** Mammoet  
**Equipment used:** PTC200 DS ring crane  
**Location:** Norwegian North Sea



International heavy lifting and transport specialist Mammoet handled the onshore load in, marshalling and turbine assembly work for the Hywind Tampen wind farm, 140 km off the Norwegian coast. The 8.6 MW Siemens Gamesa SG 8.0-167 DD turbines had to be lifted in port onto 107 metre spar buoys floating foundations due to the Tampen area seabed geology. This had to be done in port before the assembled turbines could be towed to the site. Weather conditions were an issue due to the large wind-catching surface of the components. Alongside a PTC200 DS ring crane, 24 axle lines of SPMT and a range of smaller cranes were used to handle the movement of components, as well as a Liebherr LR 1750 crawler crane to assist the PTC during lifts that required rotation of components.

### 2. HEAVY HOIST

**Equipment user:** Blyor  
**Equipment used:** Sarens SGC 250 super heavy lift ring crane  
**Location:** UK



## VIDEO: SARENS' BIG CARL AT WORK AT HINKLEY POINT C

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## VIDEO: Sarens' Big Carl at work at Hinkley Point C

**Niamh Marriott**  
Deputy Editor, International Cranes and Specialized Transport

13 September 2023  
1 min read



A new film has been released by EDF Energy about the Hinkley Point C nuclear power station construction project. It shows the latest progress made at the site in Somerset, UK.

The video highlights the engineering feat of lifting a 245 tonne steel dome to close the first reactor building, carried out using Sarens' Big Carl super heavy lift ring crane. Around 10,000 workers are on site each day.

The video tour takes the viewer several miles under the seabed to observe the final stages of the cooling water intakes. In addition, the video shows the construction of the turbine hall, which is a towering 50 metres tall and will house the world's largest Arabelle turbine.

The installation of miles of cables, pipes, and tons of other equipment is also well underway. This project has resulted in more than GB£5 billion (US\$6.2 billion) being spent with companies in the South West, with 2,700 British companies having contracts with the project.

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# VIDEO: BEHIND-THE-SCENES TOUR OF HINKLEY POINT C

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## Video: Behind-the-scenes tour of Hinkley Point C



**Cairin Jones**  
Deputy Editor, International Construction & Construction Europe

11 September 2023  
1 min read

A new film has been released by EDF Energy about the Hinkley Point C nuclear power station construction project. It shows the latest progress made at the site in Somerset, UK.

The video highlights the engineering feat of lifting a 245-tonne steel dome to close the first reactor building, carried out using Sarens' Big Carl super heavy lift ring crane. Around 10,000 workers are on site each day.

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# IC TRANSPORT 50 2023 TOPLIST

**TADANO** Your passion. Our DNA.

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## IC Transport 50 2023 TopList

 **Niamh Marriot**  
Deputy Editor, International Cranes and Specialized Transport

02 August 2023  
4 min read

Listen to this article



For the 15th time we present the IC T50 table ranking the world's largest specialized transport companies. It was a good year for the industry. Alex Dahm reports.



Trungnam SMC from Vietnam is a new entry this year in the T50, in at 49th place. In the pictured project it supplied Scheuerle SPMT to help Sarens load out a 4,231 tonne jacket. The load out and the load in each required 168 axle lines of SPMT and eight power pack units. Photo: Trungnam

Following on from it being a good year for our well-known crane-owning company ranking, the IC100, it is also a strong result we see here for the IC Transport 50 ranking for specialized transport companies. Incidentally, probably about 40 per cent of the IC100 crane companies also have big enough transport equipment fleets to be considered for the IC T50 but let's explore that another time.

Starting with a headline figure the total fleet index for all 84 of this year's T50 entries was 2,223,678 tonnes. Last year's total (79 companies) was 2,069,217 tonnes. For consistency, however, let's look at the totals for the top 50 companies. This year's 2,038,377 total was up 5.3 per cent on last year's 1,930,745 tonnes. That difference is 102,632 tonnes more load capacity than last year, spread among the world's 50 largest companies in the sector – a lot of extra trailers.

In this year's IC T50, seven of the top 10 companies increased their fleets and two stayed the same. The one showing a decrease was perennial leader Mammoet, having reduced its fleet capacity by 9,905 tonnes or 2.5 per cent. While second place Sarens may be running a fleet about half the size of Mammoet, it added considerably to it in the last year, helping to narrow the gap to 232,004 tonnes, from the 259,060 tonne gap last year.

The top three companies have held firm in their positions from last year, remaining unchanged since 2020. In the top 10 the first change is Landstar, up to 4th place from 6 last year, trading places with Dasake. Landstar increased its capacity by 23,760 tonnes or 31 per cent, to a fleet total of 99,665 tonnes. Dasake also added to its fleet but only by 0.4 per cent.

Looking by equipment type there was a big difference again this year between the two main categories. Last year the amount of modular trailer and dolly capacity was up by 0.6 per cent and this year it is up by 2.12 per cent (24,523 tonnes). Specialized trailer capacity, however, is up by a whopping 11 per cent, or 83,548 tonnes. Now that really is a lot more trailers in one year. If you divided it into say 50 tonne capacity trailers, that would be an extra 1,670 units.



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## Who are the top 10 largest rental companies in Europe?



Lewis Tyler  
Deputy Editor, International Rental News

27 July 2023  
4 min read

Published in June, the *IRN100* revealed the top 100 rental companies in the world, with companies in North America leading the way with growth of 14.9% between 2021 and 2022.

That being said, the survey also revealed healthy growth for some Europe-based companies, with four of the top 10 in the growth league all based in Europe.

So, with combined rental revenues of more than €10 billion, who are the 10 largest equipment rental companies in Europe?



### Top 10 largest rental companies in Europe

#### 10: Mammoet Holding (€600 million)

Despite dropping down two places, Netherlands-based Mammoet remains inside the top 10 thanks to estimated revenues of €600 million, up from €500 million in 2021 and a 20% increase.

#### 9: Group Monnoyeur Rental (€621 million)

Group Monnoyeur Rental reported rental revenues of €621 million (28% increase) for 2022, up from the €483 million it posted in the last *IRN100*. Since then, it has expanded through a number of acquisitions.

#### 8: Mateco (€630 million)

The fastest growing company on this list, Mateco posted rental revenues of €630 million last year, up by 34% from €469 million in 2021. That's enough for it to move from 10 to 8 on this year's list.

#### 7: Sarens (€651 million)

Belgium-based Sarens, which is once again 100% owned by the Sarens family, saw an increase in



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# WORLD CRANE AND TRANSPORT SUMMIT ASIA: HELPING TO POWER YOUR BUSINESS



## World Crane and Transport Summit Asia: helping to power your business



**Alex Dahm**  
 Editor, International Cranes and Specialized Transport

25 July 2023  
 5 min read

A welcome return for the crane and transport industry's flagship conference in 2023 sees the World Crane and Transport Summit move to Singapore. Alex Dahm reports



Singapore's skyline is the backdrop to the 2023 World Crane and Transport Summit. Photo: Adobe Stock

The World Crane and Transport Summit (WCTS) has established itself as the key global event for engaged stakeholders in the global crane and specialized transport industry to network, learn and share best practices.



This year's event is being held on 4 and 5 October in Singapore, once again in a region showing growth. WCTS is organised by International Cranes and Specialized Transport magazine, American Cranes & Transport (ACT) magazine, and their publisher KHL Group. Most frequently held in Amsterdam, Netherlands, WCTS has been running since 2009.

The supporting association for the WCTS 2023 in Singapore is the Specialized Carriers and Rigging Association (SCRA). Event partners are the Singapore Cranes Association and the Singapore Transport Association. It is being held as part of the Singapore Logistics and Crane Carnival 2023 (see box).

A world class programme of influential speakers on topical subjects has been created following consultation with major crane and transport equipment users and buyers, industry associations and equipment manufacturers.

A key theme of the event this year is the energy transition and the key 2030 deadline. The duration of a typical



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## New wind energy service division for Sarens



**Alex Dahm**  
Editor, International Cranes and Specialized Transport

05 July 2023  
1 min read



Sarens Wind Service is a new specialist service division both for onshore and offshore wind energy markets.

SWS was set up by international heavy lift and transport specialist Sarens in conjunction with a Polish partner. Its primary initial aim is to maintain wind turbines, especially their gearboxes. Sarens said its Polish partner has extensive experience in the construction and service of onshore and offshore wind turbines.

Sarens has installed wind turbines with a combined total of more than 1,000 MW of generating capacity in Europe. This new venture reinforces the end-to-end turbine lifecycle service offer available from one company.

Mariusz Sudol, Sarens regional director of Northern and Eastern Europe, said, "Through Sarens Wind Service, we would like to provide maintenance services for wind farms in Finland and Sweden and we will continue service work in the UK, Ireland, and Germany."

"By 2025, we aim to have individual and robust departments for turbine construction, offshore building and services, and blade repair. We will also be opening a GWO academy (Global Wind Organization approved basic safety training) to provide training related to basic technical training, sea survival, hubs, and nacelles," Sudol continued.

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*L'azienda ravennate Zanetti Solution ha raggiunto un accordo con il Gruppo Sarens, leader mondiale nei servizi di noleggio di gru, sollevamento di carichi pesanti e trasporto ingegnerizzato, che acquisirà le azioni dell'azienda italiana. Insieme a Sarens, Effe Holding SRL, di proprietà dell'imprenditore Carlo Fagioli*

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# Logistica, la multinazionale Sarens sbarca in Italia e insieme a Effe Holding ed entra in Zanetti Solution

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Publicato il 03/07/2023  
Ultima modifica il 03/07/2023 alle ore 13:45



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di Zanetti Solution. Zanetti Solution rimane in possesso della quota di maggioranza dell'organizzazione. Questa operazione mira ad arricchire le attività commerciali di tutte e tre le parti coinvolte, in Italia e non solo. La partnership si concentrerà sulla fornitura ai clienti di soluzioni tecniche per le loro sfide ingegneristiche.

**Carl Sarens**, Direttore delle Soluzioni Tecniche, dei Progetti e dell'Ingegneria, ha dichiarato: "Zanetti è un'azienda con cui abbiamo obiettivi e aspirazioni comuni. Non vediamo l'ora di affrontare le nuove sfide che potremo affrontare insieme per servire al meglio il mercato italiano e non solo". Il proprietario di maggioranza di Zanetti Solution, **Laurano Zanetti**, ha dichiarato: "Siamo orgogliosi di incorporare tra le nostre fila Sarens ed Effe Holding. Siamo certi che l'unione delle nostre forze

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# LOGISTICA: PARTNERSHIP FRA ZANETTI SOLUTION DI RAVENNA, IL GRUPPO SARENS ED EFFE HOLDING DI CARLO FAGIOLI

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## Logistica: partnership fra Zanetti Solution di Ravenna, il gruppo Sarens ed Effe Holding di Carlo Fagioli



Da sinistra Carlo Fagioli, Laurano Zanetti e Carl Sarens.

03 Luglio 2023, 17:16



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ZANETTI SOLUTION HA RAGGIUNTO UN ACCORDO CON SARENS IN BASE AL QUALE QUEST'ULTIMA ACQUISIRÀ LE AZIONI DELL'AZIENDA ITALIANA SPECIALIZZATA IN SOLUZIONI INNOVATIVE E ALTAMENTE PERSONALIZZATE. INSIEME A SARENS, EFFE HOLDING SRL, DI PROPRIETÀ DELL'IMPREDITOR



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Questa operazione mira ad arricchire le attività commerciali di tutte e tre le parti coinvolte. In Italia e non solo. La partnership si concentrerà sulla fornitura ai clienti di soluzioni tecniche per le loro sfide ingegneristiche.

Carlo Sarens, Direttore delle Soluzioni Tecniche, dei Progetti e dell'Ingegneria, ha dichiarato: "Zanetti è un'azienda con cui abbiamo obiettivi e aspirazioni comuni. Non vediamo l'ora di affrontare le nuove sfide che potremo affrontare insieme per servire al meglio il mercato italiano e non solo".



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# Logistica, la multinazionale Sarens sbarca in Italia e insieme a Effe Holding ed entra in Zanetti Solution

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Il gruppo belga, insieme all'imprenditore italiano Carlo Fagioli, ha rilevato una quota di minoranza di Zanetti Solution, realtà nazionale attiva nel comparto da oltre 50 anni

JULY 6, 2023 AT 12:10 PM

Arrivano due nuovi soci di pesi nella compagine di Zanetti Solution, azienda che da oltre 50 anni si occupa di trasporto per strutture eccezionali, con particolare focus sul mercato dell'oil&gas a cui vengono offerti servizi altamente specializzati come prove di carico, pesatura di prodotti di grandi dimensioni, sollevamento e assemblaggio sia con metodi convenzionali che non convenzionali.

Il colosso internazionale del settore Sarens, basato in Belgio, e Effe Holding, società di proprietà dell'imprenditore italiano Carlo Fagioli (in passato esponente e anche CEO del gruppo Fagioli; ndr), rileveranno infatti quote di minoranza dell'azienda, la cui maggioranza resterà in mano all'attuale titolare Laurano Zanetti.

Questa operazione - si legge in una nota congiunta - mira ad arricchire le attività commerciali di tutte e tre le parti coinvolte, in Italia e non solo, concentrandosi sulla fornitura ai clienti di soluzioni tecniche per le loro sfide ingegneristiche.

Carl Sarens, Direttore delle Soluzioni Tecniche, dei Progetti e dell'Ingegneria di Sarens (multinazionale con 100 uffici nei cinque continenti e oltre 4.000 dipendenti in tutto il mondo), ha dichiarato: "Zanetti è un'azienda con cui abbiamo obiettivi e aspirazioni comuni. Non vediamo l'ora di affrontare le nuove sfide che potremo affrontare insieme per servire al meglio il mercato italiano e non solo".

L'azionista di maggioranza di Zanetti Solution, Laurano Zanetti, ha dichiarato: "Siamo orgogliosi di incorporare tra le nostre fila Sarens ed Effe Holding. Siamo certi che l'unione delle nostre forze e del nostro know-how ci porterà a nuovi traguardi".

"Dopo diversi anni dall'uscita dal Gruppo Fagioli, la mia passione per la logistica mi ha portato ad accettare questa nuova sfida



Da sinistra: Carlo Fagioli, Laurano Zanetti e Carl Sarens



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La società Sarens e la Effe Holding sono diventate azioniste di minoranza della Zanetti Solution, realtà italiana con oltre 50 anni di esperienza nei servizi di ingegneria, collaudo, pesatura industriale, trasporto, sollevamento e sistemi alternativi di sollevamento, specializzata in soluzioni innovative e altamente personalizzate. L'azienda opera nei settori Oil & Gas, eolico, energetico, ceramico, navale e civile.

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De Sphere in Las Vegas, verlicht als een oog. ©Getty Images via AFP

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## Latest Zawtika jackets loaded out from Vietnam following typhoon delay

The latest development of the Zawtika gas field development in the Gulf of Moattama offshore Myanmar is into the fourth (1D) phase of construction, with final commissioning scheduled for 2025.

Jan. 28, 2023



The new Zawtika development project, located in the Gulf of Moattama in Myanmar, has entered to its fourth phase of construction.

*Offshore staff*

**MEISE, Belgium** – The latest development of the Zawtika gas field development in the Gulf of Moattama offshore Myanmar is into the fourth (1D) phase of construction, with final commissioning scheduled for 2025.

The latest phase will deliver about 400 MMcf/d at peak.

Offshore construction, which started late last year, comprises drilling of eight new wells, 7,100 to 7,100, and associated pipelines with two pipeline and manifolds.

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### Sarens Lifting At Thairoil Clean Fuel Project in Thailand

Topic: CC2500, Chonburi province, LR1400, Petrofac, Selpam, Samsung, Sarana, Thailand, Thairoil Clean Fuel Project

Sarens is pleased to be providing equipment for several heavy lifts on the Thairoil Clean Fuel Project in the Chonburi province of Thailand. Thairoil's expansion and upgrade of its facilities at the Laemchabang refinery will enhance the energy security of the country.

Working on behalf of its client, comprising an unincorporated joint venture between Petrofac, Saipem and Samsung (UJV), Sarens is lifting three heavy modules at the site using the following equipment:

- LR1400 in SDWD 35+35m configuration
- CC2500-1 in SSL 66m configuration
- CC2800 in SWSL 42m+36m configuration
- LR1600
- CC6800

The equipment was selected by the UJV for its engineering feasibility and compatibility with project demands. Following selection, Sarens was quick to mobilise the equipment from the Sarens' yard in The Netherlands to the site. The equipment was mobilised via road.

# SARENS TRANSPORTS 620T LANDING CRAFT FOR CMN CONSTRUCTIONS MÉCANIQUES NORMANDIE

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15 Jun 2023

## Sarens Transports 620t Landing Craft for CMN Constructions Mécaniques Normandie

Topic: AC100 crane, Angolan Navy, Cherbourg, CMN Constructions Mécaniques Normandie, France, Kamag 2400 SPMTs, Sarens, Syncrolift (S)

When Sarens was asked to move a new 620t military vessel, we rose to the challenge and created a solution that would transport it smoothly from land to sea. The operation was executed over the course of four days on behalf of CMN Constructions Mécaniques Normandie.

Sarens deployed Kamag 2400 SPMTs and an AC100 crane for this operation, which was conducted at a ferry terminal in Cherbourg, France. The AC100 crane was used to prepare the site and assemble the SPMTs, an operation that took one full day. Next, Sarens installed the 620t, 70m long military vessel, designed for heavy vehicle landing craft, onto two 5- and 10-axle lines of SPMT with a 14m spacer.

Sarens selected the equipment for this operation for its ability to masterfully move the vessel from the CMN factory to the Syncrolift-lifting system at the ferry terminal, and also to successfully carry heavy loads over short distances. The crane and SPMTs were mobilised to the site via nine trucks and required one full day for rigging.

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16 Jun 2023

## Global Energy Transition Progress with Sarens

Topics: Belgium, BGS0, Bilzen, CC300, Energy Transition, Sarens, Vestas, Wind Turbine Installation

Sarens is accelerating the world's energy transition, and as part of that work we have been installing wind turbines across the globe. On a recent project for client Vestas, on behalf of owner Besix, Sarens was entrusted with assembling a wind turbine in Bilzen, Belgium.



# TRANS WONDERLAND LTD AND SARENS LAUNCH NEW JV – SARENS PNG – IN PAPUA NEW GUINEA



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20 Jun 2023

## Trans Wonderland Ltd and Sarens Launch New JV – Sarens PNG – in Papua New Guinea

Topics: Joint Venture, Papua New Guinea, Sarens, Sarens PNG, Trans Wonderland Ltd

Sarens, global leader and reference in crane rental, heavy lifting, and engineered transport, and Trans Wonderland Ltd (TWL), Papua New Guinea's leading integrated transport and logistics company have joined forces in a new joint venture (JV) partnership, launching Sarens PNG. The JV brings together the global knowledge and reach of the world's leading crane and heavy lift brand with one of Papua New Guinea's most successful local landowner companies, with a history of meeting and exceeding client expectations.

"Being a giant in the industry worldwide, we can bring immense knowledge and experience to new and emerging markets, eliminating the need to reinvent the wheel." Says Dave Smith, Director of Global Fleet and Rental Operations for Sarens.

While Sarens is recognised as the global reference in heavy lifting, venturing into the PNG market would not be possible without local content knowledge, and in Papua New Guinea, none have proven more adept than TWL. From humble beginnings, in 2009, the company has grown to become one of Papua New Guinea's largest integrated transport and logistics companies, and one of the most trusted suppliers to the nation's burgeoning resources industry.

Despite being born on opposite sides of the world, it's the shared values, an appetite for innovation, and an unwavering commitment to quality that united the two companies in Sarens PNG. "Sarens, as a family-owned company, sees TWL as a company built upon very similar values, where integrity, compliance and governance are at the forefront. Alongside this is the appetite within TWL to grow, not just in the fields where they have excelled over the years, but also to branch out into new fields/markets." Smith adds.

Both Sarens and TWL are passionate about investing in and developing the capabilities of the local workforce. "Sarens PNG will be a local company managed by PNG nationals, employing PNG nationals."



## XXL MONOPILES FOR MORAY WEST ARRIVE AT SARENS PSG FOR MARSHALLING – VIDEO

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30 Jun 2023

### XXL Monopiles for Moray West Arrive at Sarens PSG for Marshalling – Video

Topics: Dajin Heavy Industry Co Ltd, Invergordon Service Base, Moray West DWF Ocean Wind, Sarens PSG, Scotland, SPMT's, XXL monopiles, ZHEN HUA 33

The first shipment of 8 XXL monopiles from Dajin Heavy Industry Co., Ltd, for Ocean Wind's Moray West offshore wind farm has arrived in the Sarens PSG facility at the Invergordon Service Base in Scotland.



# GLOBAL HEAVY LIFTING FIRM ASSISTS WITH T.O.'S UNION STATION OVERBUILD PROJECT



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## Global heavy lifting firm assists with T.O.'s Union Station overbuild project

21, 2023

Sarens, global heavy lifting, engineered transports, and crane rental services firm, assisted SuperMetal in the construction of the Union Station overbuild in downtown Toronto. This project is part of the expansion of Union Station to connect two new office buildings to the top of the station.

Once completed in 2024, this project will have a significant impact on its surroundings, multiplying the residential and office spaces in the area and reducing traffic—as all mobility services will be in a single location.

To carry out this work, Sarens' engineering team faced a major challenge, as the crane used a 562-tonne (620-ton) Liebherr LTM 108.1, which had to be placed on an elevated suspended slab. To do this, the team had to ensure the slab would be able to support the outrigger loads from the crane hoisting.

As part of this process, SuperMetal provided special steel supports, which were fabricated and welded directly on site to ensure the viability of the heavy lifting work. Sarens also employed a tower crane to hoist steel nodes into place.



Sarens, global heavy lifting, engineered transports, and crane rental services firm, assisted SuperMetal in the construction of the Union Station overbuild in downtown Toronto. Photo courtesy Sarens.

The firm has extensive experience in the Canadian construction industry and in similar projects. Among others, the company recently worked on the Finch West station project in Toronto, installing 30 pre-cast ceiling panels of 2.95 tonnes (3.25 tons), 10m below ground level. Sarens also contributed to the renovation of Union Station, where its engineering crew worked on the design and subsequent installation of several iron beams, weighing approximately 8.53 tonnes (9.4 tons), for the flying garden that connects the north and south towers of the station.



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# BALTIC EAGLE'S OFFSHORE WIND FARM STOPS THE EMISSION OF 1M TONS OF CO2

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## Baltic Eagle's Offshore Wind Farm Stops the Emission of 1M Tons of CO2



PUBLISHED JUN 4, 2023 6:52 PM BY THE MARITIME EXECUTIVE

[By: Sarens]

This installation, located in the north-east of the island of Rügen off the coast of Pomerania (Germany), will have 50 turbines of 9.53 MW, which will be able to generate power for more than 475,000 households in the region.

Sarens is directly involved in the construction of this wind farm, both in the German port of Sassnitz-Mukran, where it is performing the marshalling of the transition pieces using the TP-Handler 2.0 device, and in Rostock, where the new Liebherr LR 12500-1.0 will lift the monopiles for their assembly in the transition pieces before loading them into vessels for transport to their final location.

The new Baltic Eagle offshore wind farm, located 30 km off the coast of Pomerania

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# Global Cranes Rental Market 2023 Business Analysis, Growth Rate, Trends, Forecast 2030 – Mammoet, Sarens, Lampson International, ALE

 sdtpt • June 5, 2023



**Global Market Analysis 2022, by Players, Region, Type, Application and Sales Channel. Forecast 2023-2030**



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# SARENS ASSISTS IN THE EXPANSION AND UPGRADE OF THAIOIL CLEAN FUEL PROJECT



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## Sarens assists in the expansion and upgrade of Thairoil Clean Fuel project

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Sarens equipment perform heavy lifts on the Thairoil Clean Fuel project in the Chonburi province of Thailand.





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# SIX-PERSON TEAM DEPLOYED TO MOVE TWO 480-TONNE SECTIONS AT ROLAND GARROS



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## SARENS SKIDS ROOF AT ICONIC FRENCH TENNIS COURT (VIDEO)

Jan 01, 2023

### Six-Person Team Deployed to Move Two 480-Tonne Sections at Roland Garros



Belgium-based heavy lift specialist Sarens has been called into action to skid two roof sections over France's legendary Roland Garros Stadium, home to the French Open tennis championships.

The operation was part of an upgrade at Roland Garros's Suzanne Lenglen court – the stadium's second largest venue – in preparation for the 2024 Olympic Games in Paris. The court is being fitted with a modern retractable roof inspired by the pleated skirt Jean Patou designed for 1920s tennis star and the court's namesake, Suzanne Lenglen.

"Sarens is proud to be part of this fantastic modern upgrade to an iconic court, and was on site from September 2022 through February 2023 to skid two major roof sections in place on behalf of customer Bimetallic Centre Constructions," Sarens said.

As part of the operation, a six-person Sarens team skidded the pair of 480-tonne sections some 70 metres over the stadium, jacking them down on their final supports. According to Sarens, the support towers could only stand at specific places around the tennis court, so the crew had to provide four modular beams with a total length of 26 metres each.

"One of the most pivotal challenges presented by the project was that one roof section had to be built higher than the other due to the presence of an existing building. Because of this, Sarens' jacking towers on top of the beams had to be 3.75 metres high – a challenge for the stability of the entire structure," the company added.

The equipment deployed for the job, which included four support towers, four modular beams, four skidding systems and eight C3250 jacking systems, was mobilised via 20 trucks from Sarens' headquarters in Wobertem in Belgium.

It took two weeks to set up all the towers and beams, and another two weeks of skidding and jacking operations once the roof sections had been built by the client.

Check out a video of the operation:





## SAUDI ARAMCO CONTINUE EXPANSION IN THE MARJAN FIELD



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# Saudi Aramco continue expansion in the Marjan field

Published by Jack Roscoe, Editorial Assistant

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Oilfield Technology, Wednesday, 14 June 2023 09:10



The Marjan Field Expansion will process 2.5 billion ft<sup>3</sup> of gas per day.

The project aims to expand the field and increase its crude oil production capacity by 300 000 bpd, reaching a total of 800 000 bpd after the facility expansion.

Sarens transported the heavy equipment from the supplier's facility in Rabiq, Western Saudi Arabia, to Marjan's facility in Safanya, North-eastern Saudi Arabia, and then carrying out the assembly of parts for the new platform modules.

Saudi Aramco has already begun expansion work on the Marjan oil field, which already has the capacity to produce up to 500 000 b/d of crude oil from existing infrastructure, to compensate for the reduction in oil capacity at other nearby fields.

The Marjan oil field is owned by the Saudi Arabian state-owned oil and gas company Saudi Aramco, which has relied

# SARENS TRANSPORTED HEAVY EQUIPMENT FOR ARAMCO-OPERATED MARJAN OIL FIELD TO INCREASE PRODUCTION

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MIDDLE EAST SAUDI ARABIA

## Sarens transported heavy equipment for Aramco-operated Marjan oil field to increase production

World Oil Staff June 14, 2023

# The Reedley Exponent

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## INTERVIEW: WIM SARENS



### INTERVIEW: Wim Sarens

By Niamh Marriott | 15 June 2023  
9 min read

Heavy lift and transport giant Sarens recently announced a return to 100 % family ownership. With a stable and secure future set for the global company, CEO Wim Sarens spoke to *ICST* on their ambitions to be at the forefront of the energy transition.



#### **Congratulations on regaining 100 per cent of the company. When was the last time it was all in the hands of the family?**

Wim: That was in August 2011, when we attracted a private equity company to help us grow, mainly outside of our established markets. Back then we started internationalising a lot more, expanding into Australasia, North America, Asia and Africa.

At the time it was a change, a lot more of the decisions and structures became a lot more formal, which required certain adjustments. On the other hand, I believe we've always had a good management team in place so interacting with a diversified board was always something we'd be able to do. It was a good learning exercise but at the same time we're happy to be on our own again.

#### **What does it mean to have regained 100 % of the company?**

Wim: The major difference is we know quite well what's going to happen with the ownership of the company over the next decade. When you have an investor come in, they always enter with an idea to

# HOW DO YOU MOVE A 620-TONNE MILITARY VESSEL TO LAUNCH SITE?

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Published on 16-09-2023 at 08:35

Photo: G. Sorensen

Launching a military vessel at a ferry terminal requires detailed planning and Sarens was recently begged to execute such a project over a four-day window. The company completed the transport from land to sea on behalf of CWN Construction Mecanique Normandie.



Sarens deployed Kernag 2400 SPMs and an ACT100 crane for this operation, which was conducted at a ferry terminal in Cherbourg, France. The ACT100 crane was used to prepare the site and assemble the SPMs, an operation that took one full day. Next, Sarens installed the 620-tonne, 10-metre long military vessel, designed for heavy vehicle landing craft, onto two 5- and 10-metre lines of SPM with a 14-metre spacer.

Sarens selected the equipment for this operation for its ability to move the vessel from the CWN factory to the Syncrolift lifting system at the ferry terminal, and also to successfully carry heavy loads over short distances. The crane and SPMs were mobilised to the site via rail trucks and required one full day for setup.

To ensure a successful operation, Sarens carefully planned every manoeuvre within the permitted closure window for the main maritime boulevard. This enabled the vessel to be moved safely and securely from the factory to the ferry terminal.

## Sarens opts for execution in stages

The first part of the operation was executed in half a day. The naval boat was placed on adjustable cradles and onto a boat trolley. Next, so that Sarens could position it onto the SPMs, the vessel was jacked up to a height of 1.4 metres using four 400-tonne jacks at the end of each cradle. Once the load was at the right height, two sets of 5- and 10-metre SPMs, with a 14-metre spacer in the middle, were introduced under the boat and the package was picked up by self-supporting SPM isolators. It was now ready for transport to its final destination.

Next, with road closures in place, the SPMs transported the vessel one kilometre through the city and across the main boulevard. The transport operation lasted about an hour, a real feat, as it was carried out without disrupting traffic in the city.

LATEST TRENDS CRANES RENTAL MARKET BY INTERNATIONAL TOP 10 VENDORS

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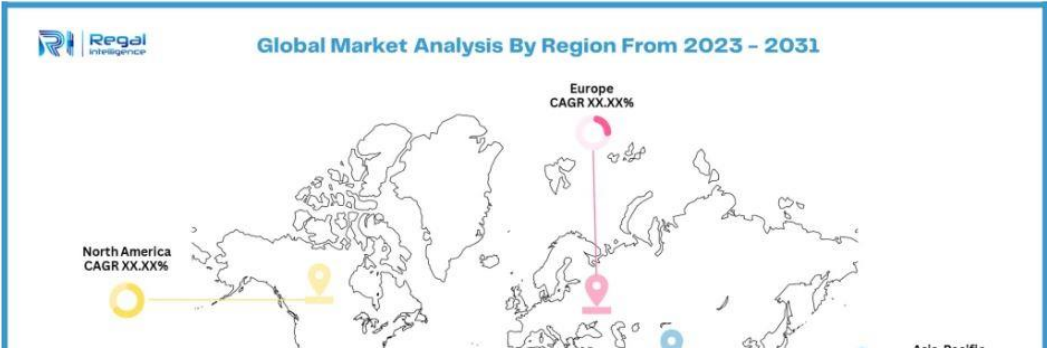
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Industry Scenario of the [Cranes Rental Market](#):



# MOBILE CRANE MARKET TO GROW AT HIGH RATE DRIVEN BY GROWING DEMAND FOR RENTAL SERVICES AND RAPID INDUSTRIAL EXPANSION

## Mobile Crane Market to Grow at High Rate Driven by Growing Demand for Rental Services and Rapid Industrial Expansion

PRESS RELEASE  
Published June 19, 2022  
Newswire



### Mobile Crane Market Scope & Overview

According to a report by SNS Insider, the [Mobile Crane Market](#) was valued at USD 16.70 billion in 2022. It is projected to reach USD 24.48 billion by 2030, exhibiting a compound annual growth rate (CAGR) of 4.9% during the forecast period of 2023-2030.

A mobile crane is a versatile and powerful piece of heavy machinery used in construction, manufacturing, and various other industries. It is specifically designed to lift and move heavy objects and materials from one place to another. Mobile cranes are equipped with a telescopic boom or lattice boom mounted on a mobile platform, such as a truck or crawler, allowing them to be easily transported to different work sites.

Get a Sample of Mobile Crane Market Report @ [https://www.snsinsider.com/sample-request/1105?utm\\_source=Major](https://www.snsinsider.com/sample-request/1105?utm_source=Major)

### Market Analysis

The mobile crane market is expected to witness significant growth and promising prospects in the future. Mobile cranes play a vital role in various industries, including construction, mining, oil and gas, and transportation. Rapid urbanization and the increasing demand for infrastructure development worldwide are driving the need for mobile cranes. Governments and private sectors

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BUSINESS

## Sarens PNG established in joint venture with Trans Wonderland

By David Kershaw | 19 June 2023



Sarens and Trans Wonderland (TWL) have established a joint venture – Sarens PNG – which will provide heavy lifting, transport engineering, crane rental and integrated logistics in Papua New Guinea.





# FAST RESPONSE FROM SARENS MOVING HEAVY CONCRETE GIRDERS IN SYDNEY

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19 Jun 2023

## Fast Response from Sarens Moving Heavy Concrete Girders in Sydney

Topics: Australia, Australian Rail Track Corporation, Botany Rail Duplication project, Sarens, heavy concrete girders, K20 SPMTs, Sarens, SBL1100 gantry system, Sydney airport.

It was 16:00 on a Friday afternoon when Sarens in Australia got the call: could they mobilise their team and equipment and be at a job site by 7:00 on Monday morning?

Sarens' engineering and project management teams immediately sprang to action, working closely with the client throughout the weekend and flying people in from across the country to make it happen. Within a couple of days the crew and equipment were on-site and ready to relocate two heavy concrete girders for the Botany Rail Duplication project.

The Australian Government is fully funding Australian Rail Track Corporation (ARTC) to deliver the \$400 million Port Botany Rail Line Duplication project, which will deliver better access to global export markets via Port Botany, improve freight supply chains across New South Wales and help ease local road congestion.

The project will duplicate the remaining 2.9km section of single line track to Port Botany, allowing freight to be moved more efficiently and effectively, and will help meet future demand where the freight task is predicted to increase by 77 per cent by 2036.

"Projects like these normally require a few weeks of preparation," said Michiel de Bodi, Technical Solutions Sales Manager. "However, we knew what we had to do and had the trust of our client to safely execute this job. If we hadn't delivered, our client would have suffered major delays on their project and we weren't going to let them down."

Due to unforeseen issues, the client had had to make last-minute changes to their methodology for

## SPOTLIGHT ON SARENS IN ANGOLA



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# Spotlight on Sarens in Angola

Sarens Sponsored by Sarens | 20 June 2023

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This month, Sarens shines the spotlight on Angola – a promising country offering broad business opportunities.



# SARENS ENTERS PAPUA NEW GUINEA JOINT VENTURE



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## Sarens enters Papua New Guinea joint venture

By Alex Dahm | 20 June 2023

🕒 2 min read



Teams from Sarens and Trans Wonderland Limited mark the establishment of Sarens PNG. Photo: Sarens

International heavy lift and transport specialist Sarens has established a joint venture company in Papua New Guinea with leading local operator Trans Wonderland Ltd (TWL).

Belgium-based Sarens set up Sarens PNG with TWL to "bring together the global knowledge and reach of the world's leading crane and heavy lift brand with one of Papua New Guinea's most successful local landowner companies, with a history of meeting and exceeding client expectations," Sarens said.

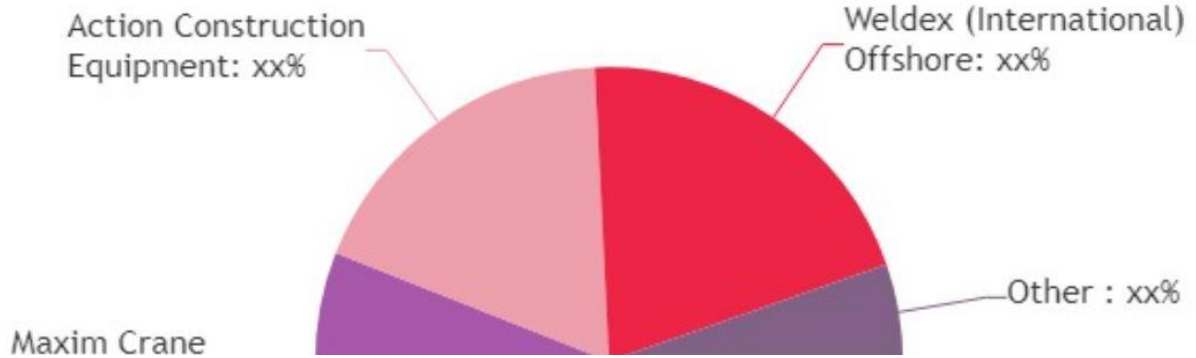
"Being a giant in the industry worldwide, we can bring immense knowledge and experience to new and

# The Reedley Exponent

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## Cranes Rental Market to See Competition Rise: ALE, Maxim Crane Works, Action Construction Equipment

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# SARENS HANDLES 620-TONNE FRENCH NAVAL VESSEL



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## SARENS HANDLES 620-TONNE FRENCH NAVAL VESSEL

Jan 21, 2023

### Demag AC 100 Crane, Kamag 2400 SPMTs Used in Four-Day Operation



Sarens has used precision-guided SPMTs to transport and position a 620-tonne naval vessel at a ferry terminal in Cherbourg, northern France.

The four-day operation, carried out for client OBN Constructions Mécaniques Normandie, began with the deployment of a Demag AC100 all-terrain crane to prepare the site and assemble the Kamag 2400 SPMTs.

Next, the 70-metre-long naval boat, designed to hold heavy vehicle landing craft, was placed onto adjustable cradles and a boat trolley.

To enable the vessel to be positioned onto the SPMTs, it was picked up to a height of 14 metres using four 400-tonne jacks at the end of each cradle. Once the load was at the right height, two sets of 5- and 10-ton SPMTs with a 14-metre spacer in the middle were introduced under the boat and the package was picked up by self-supporting SPMT tractors.

The vessel was then ready to be carried to its final destination.

"Sarens selected the equipment for this operation for its ability to masterfully move the vessel from the OBN factory to the Sycrodiff lifting system at the ferry terminal, and to successfully carry heavy loads over short distances. The crane and SPMTs were mobilized to the site via new tracks and required one full day for rigging," Sarens said.

Then, with road closures in place, the SPMTs transported the vessel one kilometre through the city and across the main boulevard. Once the vessel arrived at the Sycrodiff system at the ferry terminal, Sarens positioned it precisely onto the axis of the Sycrodiff rails so that it could continue its way by sea.

"To ensure a successful operation, Sarens carefully planned every manoeuvre within the planned closure window for the main maritime boulevard. This enabled the vessel to be moved safely and securely from the factory to the ferry terminal," Sarens said.

Sarens will be exhibiting at [Breakbulk Americas 2023](#), taking place on 26-28 September at the George R. Brown Convention Centre in Houston, Texas.

NEWS

# SARENS DEFY LOGISTICAL CHALLENGES WITH CC3800 LIFT

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## Sarens defy logistical challenges with CC3800 lift



JACK ALFONSO  
4 mins ago



# SARENS READY FOR NEW OPPORTUNITIES IN UZBEKISTAN

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12 Aug 2022

## Sarens Ready for New Opportunities in Uzbekistan

Topics: engineering services, jacking and skidding work, power plant project, quality lifting, Sarens, Tashkent city, Uzbekistan, wind energy projects

Uzbekistan is a country where the industrial and construction industries are in the early stages of realizing their full potential. Within this high-potential setting, Sarens Uzbekistan is well-positioned to provide quality lifting and engineering services across the country and to seize new opportunities as they develop.

Today, the local crane market in Uzbekistan



# TOWER CRANE MARKET WITH COMPLETE SWOT ANALYSIS BY FORECAST

## Tower Crane Market With Complete SWOT Analysis by Forecast From 2022 to 2030

Press Release

Published June 07, 2022

Skyquest Technology Consulting Pvt. Ltd.

### What Future Impact Can We Expect From Tower Crane Market Insights In 2023?

[Tower Crane Market](#) report 2023-2030 covers the whole scenario of the global market including key players, their future promotions, preferred vendors, and market shares along with historical data and price analysis. It continues to offer key details on changing dynamics to generate market-improving factors. The best thing about the Tower Crane market report is the provision of guidelines and strategies followed by major market players. The investment opportunities in the market highlighted here will be of great help in moving the business forward. Knowing the current state of the market is the most important thing covered here to help big players survive in the competitor analysis market.

Combined with important market challenges, the potential of this industry field has been fully explored. The current market conditions and prospects of this segment have also been checked. In addition, key market strategies including product development, partnerships, mergers, and acquisitions will also be studied. Upstream raw materials and equipment and downstream demand analysis are also conducted.

Global Tower Crane Market size was valued at USD 6.56 billion in 2021 and is poised to grow from USD 7.20 billion in 2022 to USD 13.76 billion by 2030, at a CAGR of 9.7% during the forecast period (2023-2030).

Request for Sample Copy of this Global Tower Crane Market: <https://skyquest.com/sample-request/tower-crane-market>

The major players profiled in this report include

- Liebherr-International AG (Switzerland)

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# SILO LIFTING DEVICE MARKET 2031 INSIGHTS WITH KEY INNOVATIONS ANALYSIS

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### Silo Lifting Device Market 2031 Insights with Key Innovations Analysis | Leading Companies AGI FRAME, Velsycon GmbH, Pannkoke Flachglastechnik GmbH, Sarens, Thern Incorporated, Metas- Metall und Anlagenbau, Florian Eichinger, Eichinger, AGROTEL, RUD Group, KARL SCHNELL GMBH, Bygging, Buitink Technology, Alimak

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# Mobile Cranes Rental Market Share Size 2023 : Top Players, Market Share, Future Growth by 2029 | Buckner Heavylift Cranes, LLC, Mammoet

PRESS RELEASE

Published June 28, 2023

TheExpressWire



## Introduction:

The New Report By 360 Research Reports Titled, "Global Mobile Cranes Rental Market" Size, Share, Price, Trends, Report and Forecast 2023-2029", gives an in-depth analysis of the global Mobile Cranes Rental market, assessing the market based on its segments like fraction, application, end-use, and major regions. The Mobile Cranes Rental Market Report Contains **127** pages including Full TOC, Tables and Figures, and Chart with In-depth Analysis Pre and Post COVID-19 Market Outbreak Impact Analysis and Situation by Region.

## Who is the largest manufacturers of Mobile Cranes Rental Market worldwide?

- Buckner Heavylift Cranes, LLC
- Mammoet
- Sarens NV
- Starlog Enterprises Limited
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5. Marine Leisure Market Share Size 2023 : Top Players, Market Share, Future Growth by 2029 | Bombardier Recreational Products (BRP) Inc., Princess Yachts, Brunswick Corporation
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## SARENS AID JOHN HOLLAND IN CONCRETE BARRIER HEAVY LIFT

**CRANES AND LIFTING**

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# Sarens aid John Holland in concrete barrier heavy lift

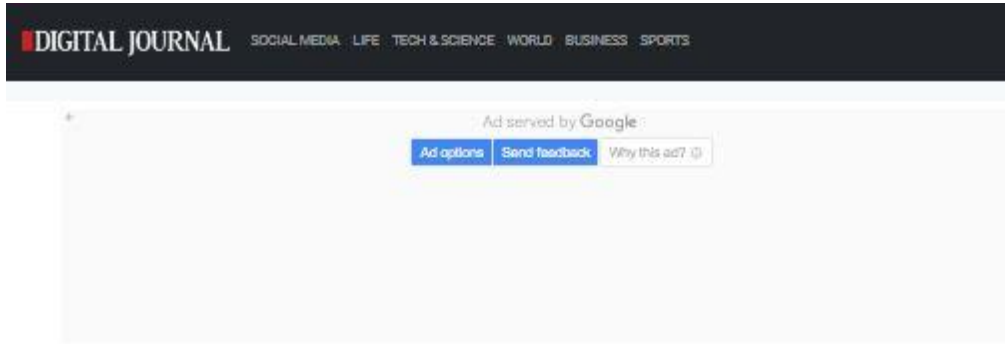


JACK ALFONSO

1 day ago



# CONSTRUCTION EQUIPMENT RENTAL MARKET INSIGHTS BY INDUSTRY DEMAND, NEW OPPORTUNITIES, TYPE, PRODUCT ANALYSIS, AND APPLICATION, FORECASTS 2032



## Construction Equipment Rental Market Insights by Industry Demand, New Opportunities, Type, Product Analysis, and Application, Forecasts 2032: Equipment Services, Inc (US), Cramo (Finland), Ramirent Plc (Finland), Maxim Crane Works, L.P. (US), Kiloutou (France)

PRERELEASE  
Published June 28, 2022  
Navamatrix



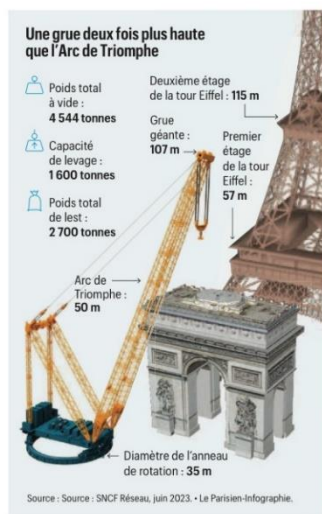
The Construction Equipment Rental Market Share, Size, Price, Trends, Growth, Report and Forecast 2023-2032 by Quince Market Insights research report gives an extensive outlook of the global market, assessing the market on the basis of its segments like Type, Application, End-use Industry, and major Regions. Research focuses on the key trends prevailing in the Construction Equipment Rental Industry sector. The existing industry scenario has been studied and future projections with respect to the sector have also been investigated. Market study report comprises evaluation of numerous influential factors including industry overview in terms of historic and present situation, key manufacturers, product/service application and types, key regions and marketplaces, forecast estimation for global market share, revenue CAGR And Forecast Period 2023-2032. In this study, the years considered to estimate the market size of Construction Equipment Rental market are as follows: **History Year:** 2019-2020, 2021, **Base Year:** 2022, **Estimated Year:** 2023, **Forecast Year:** 2023 to 2032

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**91 | TRAVAUX** L'une des plus grandes grues du monde est en cours de montage et servira à remplacer les ponts centenaires du RER. Le chantier nécessitera cinq semaines d'interruption de trafic.

## Un monstre à Massy



**Sébastien Compagnon**

**QU'EST-CE QUI EST JAUNE** et qui mesure plus de 100 m de haut ? C'est la grue géante en cours de montage près de la gare RER de Massy-Palaiseau (Essonne). L'engin au gabarit exceptionnel est arrivé en pièces détachées au port de Rouen (Seine-Maritime), en provenance d'Indonésie, en Asie du Sud-Est. Depuis avril, des techniciens s'affairent pour reconstituer et dresser cette « superstructure » imposante, encore en position horizontale.

Le mastodonte fabriqué en Chine, fourni par l'entreprise belge Sarens, est l'une des quatre plus hautes grues d'Europe. « Le plus grand modèle est en cours d'utilisation en Angleterre, sur le chantier de la station nucléaire

de Hinkley Point », confie Sarah Dehollander, représentante de la société Sarens.

La RATP et SNCF Réseau ont besoin de cet outil très spécial pour mener à bien le plus gros chantier ferroviaire réalisé en Ile-de-France cet été. En juillet, la grue à la capacité de levage hors du commun servira à déplacer les deux ponts centenaires de Gallardon (RER C) et de Chartres (RER B). Ces ouvrages de plus de 52 m de long pèsent chacun 640 tonnes. La grue, nommée Sarens Giant Crane 90, est indispensable pour soulever et retirer ces masses d'acier, mi-juillet, puis pour poser, début août, les deux nouveaux ouvrages flamboyants, d'un poids de 950 tonnes pour le pont de Gallardon et de 1 375 tonnes pour celui de Chartres.

En plein cœur de Massy, l'arrivée de l'engin ne passe pas inaperçue : 300 camions ont été nécessaires pour l'acheminer. « C'est un chantier dans le chantier, souligne David Shammé, responsable pour SNCF Réseau. Avant de se lancer dans le montage, il a fallu créer un immense anneau en béton pour poser la base circulaire. Nous avons

planté 64 pieux à 30 m dans le sol afin de supporter un contrepoids de 2 000 tonnes. » La pose du lest, l'assemblage de la grande flèche et les essais de fonctionnement sont programmés jusqu'au 6 juillet.

### Des bus de remplacement

Les RER B et C seront ensuite interrompus pour lancer les grandes manœuvres. Le RER C sera à l'arrêt du 15 juillet au 26 août entre Massy et Pont-de-Frugis. Sur le RER B, le trafic sera stoppé entre Fontaine-Michalon et Massy-Palaiseau du 14 juillet au 21 juillet inclus, puis du 5 août au 20 août inclus. Tous les trains auront pour terminus Fontaine-Michalon et Massy-Palaiseau. Une navette-bus desservira les gares de Massy-Palaiseau, Massy-Verrières, Les Bacconnets et Fontaine-Michalon. Entre Croix-de-Berry et Massy-Palaiseau, le service sera suspendu du 22 juillet au 4 août inclus.

À quelques dizaines de mètres de la grue, de l'autre côté de l'avenue des Martyrs-de-Soweto, les deux futurs ponts attendent leur heure. Ils ont été soudés sur place et peints d'une couleur bleu roi.

Massy-Palaiseau (Essonne), le 31 mai. La grue géante de 107 m de haut est en cours de montage. Son acheminement a nécessité 300 camions.

Ils seront acheminés sur des « chariots auto-moteurs » puis soulevés dans les airs par la grue pour être disposés dans l'axe des voies. Une fois qu'ils seront installés, il faudra encore poser le ballast sur les deux ouvrages puis les rails et tous les câbles indispensables pour la signalisation et les réseaux. Ils seront là pour une centaine d'années.

« Les nouveaux ponts sont plus larges et ont des propriétés antivibratoires qui réduisent les nuisances sonores, détaille Nathalie Boeglin, cheffe de projet chez RATP Infrastructures. Le nouveau

pont de Chartres aura une passerelle en cas d'évacuation des voyageurs. Il est indispensable pour l'arrivée des futurs trains à deux étages du RER B », les M120, attendus pour fin 2025.

L'opération conjointe SNCF-RATP, baptisée Chagall, comme « Chartres-Gallardon », a démarré en octobre 2020. Les abords du chantier ont été aménagés pour permettre les interventions au plus près des ouvrages et des voies. L'équipe du chantier a malheureusement été endeuillée par un accident mortel survenu le 25 juillet 2021. Un ingénieur de la SNCF, âgé de 54 ans, a chuté dans un puits de forage de plus de 30 m, après un affaissement de terrain. Ce tragique accident a conduit à décaler d'un an la fin des opérations. L'enquête est toujours en cours.

Les vieux ponts centenaires, eux, seront entreposés sur le site de Massy après l'été pour être démantelés et recyclés. La grue géante, elle aussi, sera démontée pour être réexpédiée par bateau pour le Viêt Nam cette fois-ci, où un autre chantier à sa mesure l'attend.



Les futurs ponts, peints en bleu roi, ont été soudés sur place et attendent d'être déplacés par la grue.

**C'est un chantier dans le chantier**  
David Shammé, responsable pour SNCF Réseau.

# SARENS PNG ESTABLISHED IN JOINT VENTURE WITH TRANS WONDERLAND



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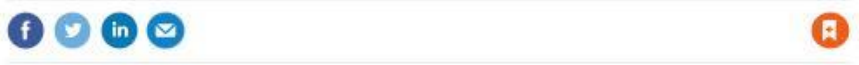
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BUSINESS

## Sarens PNG established in joint venture with Trans Wonderland

By David Kershaw | 19 June 2023



Sarens and Trans Wonderland (TWL) have established a joint venture – Sarens PNG – which will provide heavy lifting, transport engineering, crane rental and integrated logistics in Papua New Guinea.



"Being a giant in the industry worldwide, we can bring immense knowledge and experience to new

# SARENS THRIVING IN A CHANGING INDUSTRY

Advertorial | SARENS

## SARENS thriving in a changing industry

**S**ARENS, a family-owned business founded in 1965 and headquartered in Belgium, has undergone a significant transformation in recent years that has allowed it to diversify its way of working, expand geographically, and provide heavy lifting and engineered transport services to a variety of industries, including offshore and onshore wind, oil, oil and gas, power generation, and infrastructure.

In late 2020, in response to challenges amid the Covid-19 pandemic, SARENS in Southern Africa implemented a new business model called the "depot model".

Regional director for Southern Africa, **Tim Blesemans**, explains that this saw the company establish depots in South Africa's Sasolburg, Witbank, Brits and Steelpoort areas, where it services the oil and gas, mining, and power industries. He also acknowledges that a change was needed as the company had been a top-heavy organisation, which is "not a sustainable business model in today's competitive market".

"We have been operating in a challenging market environment for some time now, and it became clear that we needed to take decisive action to ensure the long-term viability of our business," Blesemans notes, adding that the reorganisation plan is designed to strengthen its core business, enhance its operational efficiency, and position SARENS for sustained growth in the years ahead.

The 2020 pandemic played a significant role in changing how businesses operate and SARENS quickly adapted to the working-from-home model, while finding additional ways to reduce overheads and mobilisation costs. The project-driven company also focused on fostering faster response times and improving communication with clients, resulting in more efficient operations.

In phase two of its strategy, SARENS branched out to other African countries, namely Mozambique, Zambia, Tanzania and Angola, deploying the same depot model. The expansion allowed the company to strategically align with peers and other companies, specifically already-established companies that complement SARENS' scope of work.

As part of this endeavor, SARENS was able

to sign a memorandum of understanding with logistics, lifting and transport company **Raphaël Logistics**, in Tanzania, to meet local and international clients' needs for projects and rentals.

"The partnership is the next step in supplying a one-stop-shop solution to our clients in Eastern and Southern Africa," Blesemans notes.

In mid-2022, SARENS expanded its presence within South Africa by opening a branch in Cape Town, which specialises in renewables, transport and special projects. Initially started as a transport department, the Cape Town depot quickly evolved into a technical solutions depot, selling to clients in South Africa and beyond. In just eight months since opening, the depot has already secured three major projects, namely in Angola, Tanzania and South Africa, expanding its reach and cementing SARENS' position as a leader in the region.

However, SARENS struggled to find the right local people when expanding north of the border.

"By finding the right local people, in the right place, and adding South African expatriate personnel to hand over knowledge, procedures and experience, it allowed us to diversify our markets and revenue streams, and reach out further and wear geographically," Blesemans explains. In this regard, SARENS regional human resources manager **Deon van der Pas** notes that the company places a strong emphasis on employee development and advancement.

"We provide training and development opportunities to employees, and we focus on promoting from within. Employees are the backbone of a company's success, and we invest in their development to ensure continued success for all parties in the future," he says.

Because of this, the company has more control over uncertain factors such as potential jobs not being realised or being canceled at the last minute.

"We use our equipment and people towards different sectors and clients daily, which allows for a backup plan. If plan A doesn't work out, Blesemans notes.

**Fleet and Project Solutions**  
One of the company's most significant

strengths is its extensive fleet of cranes and transport equipment. SARENS has over 1 600 cranes and over 3 000 transport units, making it one of the largest crane rental companies in the world. Its equipment is also constantly updated and maintained to ensure the highest level of safety and reliability.

A significant effort to replace its fleet with greener machines is currently made by the company to adhere to clients' demands for cleaner solutions, Blesemans notes.

"Engineered transport involves the transportation of large and heavy objects, often requiring specialised equipment and planning. SARENS' transport services include the transportation of wind turbines, prefabricated modules, and other large structures," says Operations Manager **Hans De Langhe**.

However, SARENS has also faced challenges in its various departments. The company's logistics and operations department, for example, struggled to manage the complex logistics involved in transporting heavy and oversized equipment.

One of the biggest challenges the company experienced in 2022, was transport delays when transporting equipment from South Africa to international destinations.

De Langhe says the company's investment in innovative solutions and new technologies and equipment allowed it to "streamline its processes and improve efficiencies, ultimately benefiting clients" and mitigating or outright avoiding delays.

Van der Pas adds that cultural and language differences also play a key role when expanding internationally, and that these "initial steps are often some of the most difficult".

Other changes, Blesemans and Van der Pas highlight, include understanding the legal and tax conditions in every country, as well as setting up a local entity to assist with the importation of equipment.

"Each country has different rules, taxation, permits, clearing and the like. Trying to work with a transporter or broker who has extensive knowledge of this has helped us avoid delays and standing time at the border," De Langhe notes.

Another challenge, Blesemans adds, was realising that patience was key to success.

"In all markets, there are already active service providers. For us to convince the client and effectively give 'the new kid on the block' a chance is not an easy matter, and can take us days, weeks, months, or even years in some cases. It's a lot of hard work, and dedication is key to staying on top of your game and achieving the results you want."

SARENS provides preliminary engineering solutions for heavy lifting, transport, and



Left to right:  
**Liaende Planar** – SHEQ Manager  
**Jacques Owsen** – Fleet Manager  
**Tim Blesemans** – Regional Director  
**Philip van Nieuwk** – Regional Finance Manager  
**Hans De Langhe** – Regional Fleet and Operations Manager  
**Deon van der Pas** – Regional HR Manager

abnormal lifting projects, with in-house engineers conducting front-end engineering design studies to ensure the most feasible and economical solution.

Whenever needed, the global projects division in Belgium provides additional support.

According to Blesemans, the company's rental operations in Africa helped establish a local footprint and mindset, strengthening the company's approach to expanding on the continent.

SARENS established a local footprint in Africa by hiring local people, which Blesemans sees as a crucial step in the right direction, as it helps the company transition from a South African operating business unit to an Africa-focused mindset, enhancing the way it approaches business on the continent.

"It was critical to 'expand regionally, but think locally'," Van der Pas comments.

**Renewable Energy & Safety**

SARENS has been increasingly involved in large-scale wind energy projects in recent years, providing specialised heavy lifting and transport services for the installation of wind turbines and their components.

This includes successful projects in Round 4 of South Africa's Renewable Energy Independent Power Producer Procurement Programme (R4 IPPPP), such as the Karusa and Soelwater wind farms.

The Karusa and Soelwater projects consist of 94 turbines with a hub height of 91.5 m and a rotor diameter of 117 m. The rated power per turbine is 3 MW and the rated total

power is 282 MW. SARENS has also committed to transport and port works for upcoming projects in Round 5 of the R5 IPPPP, which is expected to be awarded in 2024/25.

Safety and sustainability are top priorities for SARENS. The company focuses on creating a safe work environment for its employees and clients, while also minimising its environmental impact through the use of sustainable practices and equipment.

SARENS was recently awarded a bronze medal, by the prestigious global environment, social and corporate governance rating group EcoVadis, an organisation that has rated over 75 000 trading partners worldwide to date, for its commitment to sustainability.

SARENS achieved its EcoVadis rating while building a commercial relationship with industrial gases company Air Liquide, which had requested that SARENS Belgium undergo a Sustainability Management Audit with the organisation.

The initial request only applied to SARENS Belgium, but the company's leadership team chose to take it to the entire SARENS Group, meaning that all SARENS business units globally could use the EcoVadis assessment ranking as a positive step in their environmental, social and governance journey.

Following the assessment, SARENS NV received an overall score of 50%. Its current rating shows the company making good progress in both labour and human rights, as well as environment categories. The company, with a global presence

comprising operations in over 60 countries and a fleet of more than 1 600 cranes, is also now 100%-owned by the Sarens family after Begeco (Group Luc Track) sold its participation in the capital and relinquished its mandate to the SARENS board of directors.

The event was of historic significance for SARENS, which is proud to demonstrate its robust standing in the global heavy lifting arena – especially as said change occurs at a time when key contributors in the sector are experiencing difficulties.

Regional financial manager **Philip van Nieuwk** says being family-owned provides SARENS with the competitive advantage of not only having a faster response time but helps it to adapt and remain an agile business.

Following the announcement in April, the company said that it was confident that this step would "solidify and secure the long-term ownership of the company, which will equally allow the organisation to refine its long-term strategy and strengthen clients' and employees' trust".



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# BELGIUM FIRM DEPLOYS SPMTs TO CARRY 230-TONNE CO2 TANKS



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## SARENS MOVES CARGO FOR CSS PROJECT IN NORWAY

Apr 01/2022

### Belgium Firm Deploys SPMTs to Carry 230-Tonne CO2 Tanks



Belgium-headquartered heavy lift specialist Sarens was recently called into action to move 12 carbon dioxide tanks for Norway's "pilot" Northern Lights carbon capture and storage, or CSS project.

The project, part of the Norwegian government's full scale Longship CSS initiative, aims to capture CO2 from industrial sources including cement and waste-to-energy and ship it – in liquid form – to a subsea site some 2.3 kilometres beneath the North Sea seabed for safe and permanent storage.

According to Northern Lights, a joint venture between Equinor, TotalEnergies and Shell responsible for the transport and storage units of the project, the initiative will be the world's first ever cross-border, open-source CO2 transport and storage infrastructure network. Phase one is slated for completion in mid-2024 with a capacity of 1.5 million tonnes per year of CO2.

To carry out the move of the 35-metre, 230-tonne tanks, Sarens deployed 24-axle K2451 SPMTs and two Meru PMUs. All the equipment was mobilized to the site at the Kårhuset natural gas processing plant in Norway via four trucks and required a half day of rigging to prepare for transport. The SPMTs arrived in mid-November and will remain on-site through mid-April. According to Sarens, load capacity at the site was "critical", with maximum weight kept to below five tonnes per square metre. Sarens SPMTs transported each tank from the quayside to the storage area, a distance of about 600 metres.

The tanks were moved along two lanes of 12-axle SPMTs with two power packs. The components were carried at a certain height to get into the Energiparken Høgn job site through fixed entry gates. For this reason, high cribbing on the trailers was required, Sarens said.

The move, carried out for Akas Solutions, also involved Netherlands-based carrier Dalf Group.

"The weather in Norway at this time of year can often be windy and unpredictable, but the team was able to complete the operation with perseverance, patience and skill," the company said in a statement.

CSS is tipped to be a major source of cargo-carrying opportunities for Breakbulk and project cargo in the coming years. The technique is deployed in power plants and other industrial facilities to trap and compress CO2 before transporting it to special sites for underground or subsea storage.

Large-scale CSS projects such as Longship, require Breakbulk support to transport and install pipelines, storage tanks, giant compressors, processing equipment, ship-handling facilities and other oversized components.

Sarens and Dalf Group will be exhibiting at Breakbulk Europe 2022, taking place on 6-8 June at Rotterdam Ahoy in the Netherlands. Akas Solutions, Equinor, TotalEnergies and Shell are members of the Breakbulk Global Shipper Network, a worldwide network of shippers involved in the engineering, manufacturing and production of project cargo.



## SARENS ED EFFE HOLDING ENTRANO IN ZANETTI SOLUTION

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Home » Economia e Lavoro » Cronaca » Sarens ed Effe Holding entrano in Zanetti Solution

## Sarens ed Effe Holding entrano in Zanetti Solution

4 luglio 2023

Da sinistra Carlo Fagioli, Laurano Zanetti, Carl Sarens

Il colosso belga e Carlo Fagioli al fianco dell'imprenditore di Ravenna Laurano Zanetti, che mantiene la maggioranza delle quote

REGGIO EMILIA – Il colosso belga Sarens (punto di riferimento a livello mondiale nei servizi di noleggio di aru. sollevamento di carichi pesanti e trasporto inoenerizzato) e Effe Holdinga Srl.

## FECAMP OFFSHORE WIND PROJECT

### ALTERNATIVE LIFTING



Each of the 71 concrete structures has a 31m diameter base, is 48-50m high and weighs 4,800 tonnes

# FÉCAMP OFFSHORE WIND PROJECT

Belgian international heavy lift and transport company Sarens played a major role in the construction of the Fécamp offshore wind farm at a yard in Le Havre, France. Commissioned by the consortium BSB - Bouygues Travaux Publics, Saipem and Boskalis - the company carried out the lifting, moving and load out operations for the 71 concrete mast foundation structures which have a 31 metre diameter at the base and heights of between 48 and 50 metres, while weighing up to 4,800 tonnes. They had to be moved from the manufacturing site in Le Havre onto transport barges which moved them to their final locations 13 to 22km off the Normandy coast.

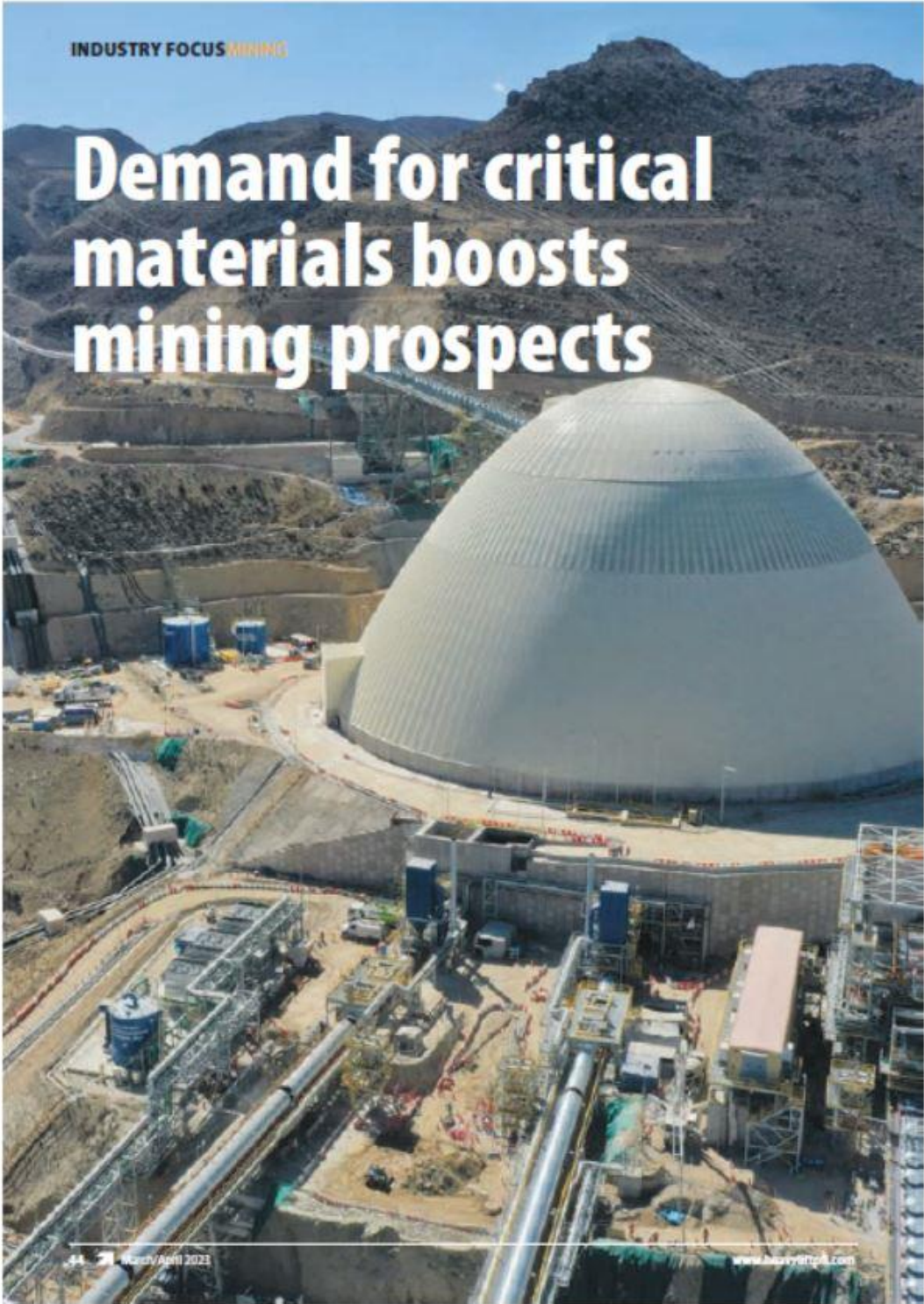
To lift and move each structure, Sarens designed a system of two, SPMT mounted moveable gantry units, which were positioned either side of the structure. The load was secured to four cast in lugs and lifted with the two gantry systems connected by data cables allowing them to operate as one. After raising the structure, it was lowered into position on 180 SPMT axle lines and moved to one of three cargo barges at the quay side.

Sarens had installed a sounding system on each barge capable of measuring the amount of water in the ballast tanks, and a series of interconnected pumps for de-ballasting was used during loading operations. To ensure the offshore

installation process did not suffer downtime, Sarens conducted a 24 hour loading regime. Three foundation bases are loaded onto each barge in a continuous operation with a maximum of 38 hours per barge - a process that must be repeated 24 times - requiring skilled personnel not only for the loading manoeuvre itself, but also the handling of the winches, the preparation of the gantry system and reconfiguration of the SPMTs prior to the loading of each barge.

Sarens equipment on site required 120 delivery trucks over a three month period. The 71 turbines will generate 500 MW of electricity - enough for 770,000 homes. ■





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# GLOBAL HEAVY LIFTING FIRM ASSISTS WITH T.O.'S UNION STATION OVERBUILD PROJECT



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## Global heavy lifting firm assists with T.O.'s Union Station overbuild project

May 31, 2023

Sarens, global heavy lifting, engineered transports, and crane rental services firm, assisted SuperMetal in the construction of the Union Station overbuild in downtown Toronto. This project is part of the expansion of Union Station to connect two new office buildings on top of the station.

Once completed in 2024, this project will have a significant impact on its surroundings, multiplying the residential and office spaces in the area and reducing traffic—as all mobility services will be in a single location.

To carry out this work, Sarens' engineering team faced a major challenge, as the crane used a 562-tonne (620-ton) Liebherr LTM 500 8.1, which had to be placed on an elevated suspended slab. To do this, the team had to ensure the slab would be able to support the outrigger loads from the crane hoisting.

As part of this process, SuperMetal provided special steel supports, which were fabricated and welded directly on site to ensure the viability of the heavy lifting work. Sarens also employed a tower crane to hoist steel nodes into place.

The firm has extensive experience in the Canadian construction industry and in similar projects. Among others, the company recently worked on the Finch West station project in Toronto, installing 30 pre-cast ceiling panels of 2.95 tonnes (3.25 tons), each below ground level. Sarens also contributed to the renovation of Union Station, where its engineering crew worked on the hoisting and subsequent installation of several iron beams, weighing approximately 8.53 tonnes (9.4 tons), for the flying garden that connects the north and south towers of the station.



Sarens, global heavy lifting, engineered transports, and crane rental services firm, assisted SuperMetal in the construction of the Union Station overbuild in downtown Toronto. Photo courtesy Sarens.



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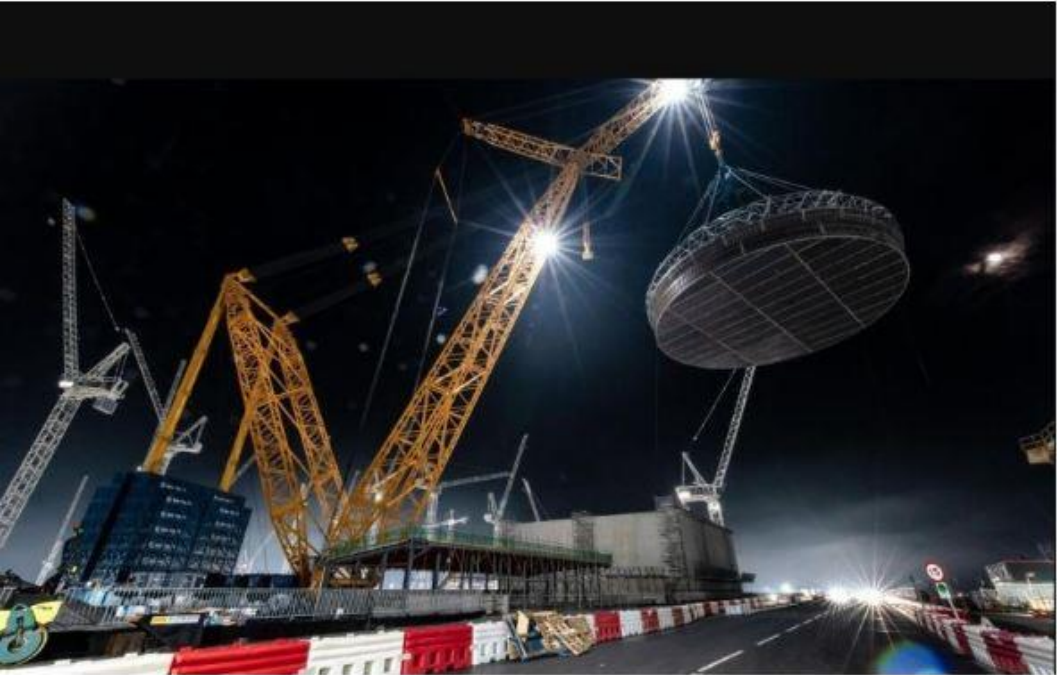
# HINKLEY POINT C NUCLEAR POWER PLANT WILL AVOID 9M TONS OF CO2 EMISSIONS PER YEAR WHILE SUPPLY MORE THAN 6M HOMES

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## Hinkley Point C nuclear power plant will avoid 9m tons of CO2 emissions per year while supply more than 6M homes

18 May 2023 | News



The new Hinkley Point C nuclear plant, located in Somerset, will supply energy to more than

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## BUDOWA KOMPLEKSU OLEFIN W PŁOCKU: WIELKIE WYZWANIE LOGISTYCZNE



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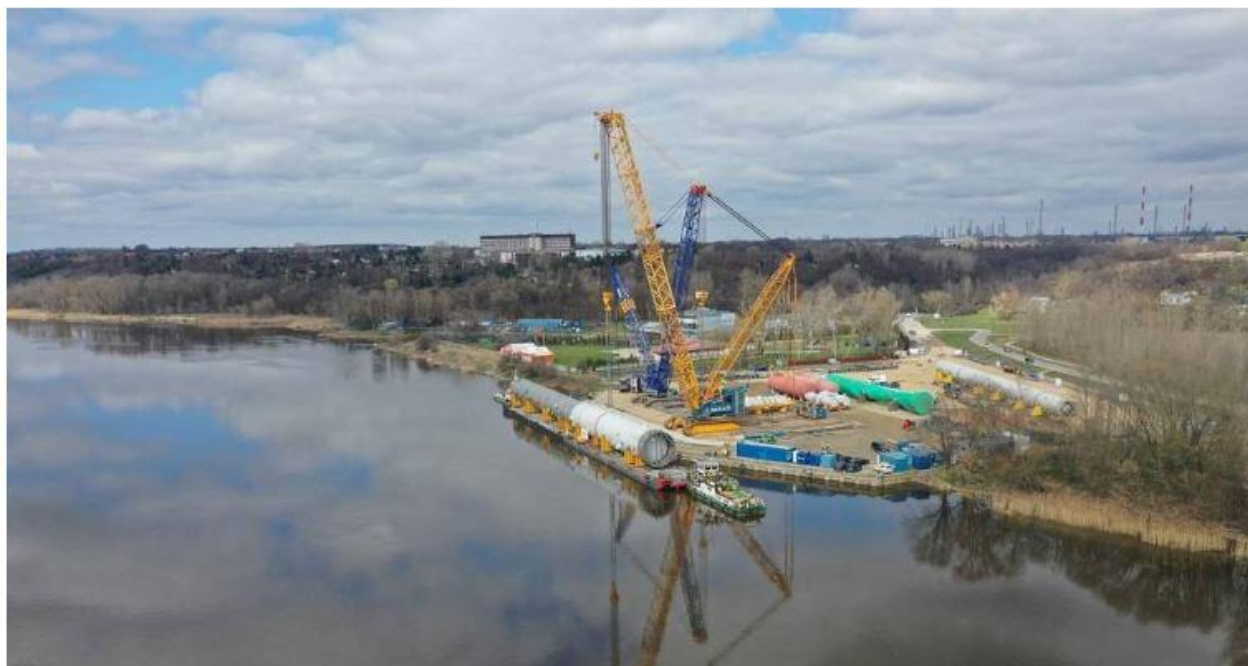
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### Budowa kompleksu olefin w Płocku: wielkie wyzwanie logistyczne

Strona główna / Artykuły / Budowa kompleksu olefin w Płocku: wielkie wyzwanie l...



📅 2023-05-30

Budowa w Płocku potężnego kompleksu olefinowego przez PKN Orlen to nie tylko wielki zysk dla polskiego przemysłu chemicznego, ale także wielkie zadanie logistyczne.



## SARENS COLABORA EN LA INSTALACIÓN DE UNA DE LAS ATRACIONES DEL NUEVO PARQUE URBANO AZTLÁN

### Sarens colabora en la instalación de una de las atracciones del nuevo Parque Urbano Aztlán

mayo 24, 2023



*Sarens trabajará junto con Mota Engil México durante cinco meses en el levantamiento de las distintas piezas de la rueda de la fortuna mediante una unidad de Kobelco CKE 4000, con una capacidad máxima de carga de 350 toneladas, y una Terex RT 760E de 50 toneladas a modo de apoyo.*

Sarens, líder mundial en levantamiento de cargas pesadas, transportes especiales y alquiler de grúas, ya está trabajando en las obras de construcción de la nueva rueda de la fortuna del Parque Urbano Aztlán, ubicado en la segunda sección del Bosque de Chapultepec, en los terrenos que ocupaba hasta ahora la Feria de Chapultepec.

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Esta nueva rueda de la fortuna, cuyo periodo de instalación se estima en cinco meses, se elevará por encima de los 85

# THE STRATEGY TO BOOST OFFSHORE WIND ENERGY IN THE U.S. WILL REQUIRE MORE THAN \$3.5 BILLION OF INVESTMENT IN WIND TURBINES



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by Tina Olivero

## The strategy to boost offshore wind energy in the U.S. will require more than \$3.5 billion of investment in wind turbines

20 April 2023

The U.S. government has set a target of 30 GW of offshore wind energy production by 2030, which would require the installation of approximately 2,100 new wind turbines and the employment of nearly 49,000 employees over the next seven years.

Sarens, as a major player in offshore wind projects around the world, offers public and private institutions involved in the implementation of new wind farms its experience and its fleet of cranes and barges to accelerate this energy transition and ensure that it is carried out with the highest quality and safety standards.

Currently, there are already two projects in the USA close to start-up -Vineyard Wind and South Fork Wind- in addition to seven that should be operational by 2025 -Gulf of Maine, New York Bight, Central Atlantic, Gulf of Mexico, The Carolinas, California and Oregon-

# SARENS ENGINEERS BRILLIANT SOLUTIONS TO TRANSPORT 950T LOADS ALONG CHALLENGING TERRAIN



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## Sarens Engineers Brilliant Solutions To Transport 950T Loads Along Challenging Terrain

Sponsored By Sarens | 09 June 2023  
4 min read

### SPONSORED CONTENT

Sarens successfully moves three boiler units with SPMTs and bespoke bridging arrangements

From April through August 2022, Sarens was responsible for loading in and transporting

three 950T boiler units on behalf of global engineering and construction company Fluor. The operation was part of work at the INEOS plant in Grangemouth, Scotland, an integrated refinery and petrochemical plant that is one of INEOS' largest manufacturing sites.

Sarens was previously involved in two other phases of this crucial boiler transport operation: the first involved loading out the three boiler units in Cadiz, Spain, so they could sail onward to a trans-shipment base in Rosyth, Scotland. Sarens then performed RORO operations, loading the three units from the ocean-going vessel and onto a towable barge, which allowed for delivery into the port of Grangemouth despite local lock restrictions.

Because Sarens was part of the load-in operation in Rosyth, the project team mobilised to two sites in parallel: one team, along with SPMTs and PPUs, mobilised to Rosyth, while another mobilised to the Port of Grangemouth to prepare to receive the cargo and store it on Sarens-supplied steel supports until it was needed on site. Because of this arrangement, Sarens could mobilise the SPMTs to Rosyth and then sail them, along with the cargo, to Grangemouth for load-in.



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# SARENS ASSISTS IN THE EXPANSION AND UPGRADE OF THAI OIL CLEAN FUEL PROJECT

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## Sarens Assists In The Expansion And Upgrade Of Thail Oil Clean Fuel Project

Sponsored By Sarens | 25 May 2023  
1 min read



### SPONSORED CONTENT

Sarens equipment perform heavy lifts on the Thail Oil Clean Fuel Project in the Chonburi province of Thailand

Sarens is pleased to be providing equipment for several heavy lifts on the Thail Oil Clean Fuel Project in the Chonburi province of Thailand. Thail Oil's expansion and upgrade of its facilities at the Laemchabang refinery will enhance the energy security of the country.

Working on behalf of its client, comprising an unincorporated joint venture (UJV) between Petrofac, Saipem and Samsung (UJV), Sarens is lifting three heavy modules at the site using the following equipment:



- LR1400 in SDWB 35+35m configuration
- CC2500-1 in SSL 66m configuration
- CC2800 in SWSL 42m+36m configuration
- LR1600
- CC6800

The equipment was selected by the UJV for its engineering feasibility and compatibility with project demands. Following selection, Sarens was quick to mobilise the equipment from the Sarens' yard in Thailand and set up within a week of reaching the work site. The equipment has now been on site since March 2022 and will remain on site through August 2023.




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# HOW WORKING WITH ESG WILL SAVE MONEY



## How working with ESG will save money

By Niamh Marriott | 15 March 2023

🕒 11 min read

Working ethically and sustainably within an ESG framework will attract investors, save money and create a safe and diverse workplace. Niamh Marriott reports.

Environmental, social and governance (ESG) refers to a set of standards that ensure companies work ethically and sustainably with transparent operations. Though not a requirement globally for all sizes of company, the largest in our industry are adopting these initiatives to promote how a socially conscious and environmentally friendly business can also be profitable.



# WIM EN CARL SARENS OVER DE STRATEGIE VAN HUN FAMILIEBEDRIJF: 'WE WILDEN SARENS ALTIJD AL OPNIEUW VOLLEDIG FAMILIAAL MAKEN. NU KON HET'

WIM EN CARL SARENS OVER DE STRATEGIE VAN HUN FAMILIEBEDRIJF

## 'We wilden Sarens altijd al opnieuw volledig familiaal maken. Nu kon het'

Op interviews over het reilen en zeilen van hun bedrijf kun je de familie Sarens zelden betrappen, maar nu de wereldspeler in logistieke diensten opnieuw volledig in familiehanden is, maken CEO Wim Sarens en CTO Carl Sarens een uitzondering: "De buitenwereld vraagt zich soms af: oei, wat is dat met die schuldgraad? Maar wij kennen onze markt, wij kennen onze klanten en wij weten wat onze vloot waard is."

DIAN KILLENBIS, FOTOGRAFIE JONAS LAMPERS

Makende is zwaar, niets te hoog, kleine de familie van het kranenbedrijf met ruim 4.000 werknemers, verspreid over honderd kantoren op vijf continenten. 2023 zal een speciale verjaardag zijn in de annalen van de werklouper, want voor het eerst sinds 2001 is de groep opnieuw volledig in familiehanden. Dit voorjaar lecht de familie het minderheidsaandeel van 22 procent van de Belgische Linc Tack terug. "Het was altijd onze intentie om het bedrijf helemaal in handen te nemen zodra het kon. Nu was die kans er en vonden we een akkoord met de familie Tack", zegt CEO Wim

Sarens, lid van de vierde generatie die het bedrijf leidt. Om de groei te versnellen koopte de familie in 2011 aan bij Waterland. De investering op papier lag op 300 miljoen euro op papier voor een belang van 22 procent. Wim Sarens: "In 2011 stonden alle belangen op groen in onze achter. De wijzebe en de olie- en gassector bleefden overal ter wereld. Het fonds van Waterland had echter

**"We gaan veel selectiever zijn. We zullen meer keuzes maken die een gezonde groei mogelijk maken"** WIM SARENS

een eenduidig en Waterland moest uit ons bedrijf stappen midden in de coronatijd. Voor de familie was het toen niet vanzelfsprekend om het belang van Waterland over te nemen. Die 22 procent is toen verkocht aan de familie Tack." **Wat zijn vandaag de strategische prioriteiten van het bedrijf?** WIM SARENS: "We willen onze huyschuldgraad afbouwen en tegelijk investeren in de vergroening van onze vloot. We hebben ook beslist ons veld selectiever te zijn. We zullen bij manier van spreken investeren in wijke kansen in plaats van in hoesdij. We zullen meer keuzes maken die een gezonde groei mogelijk maken. Naast het een compromis tussen schuldloos, een vergroening en vergroening van de vloot en een selectieve groei in een aantal landen." **Linc Tack had kritiek op de rendabiliteit van het bedrijf. Het is niet omdat u overall keuzes hebt staan, dat ze allemaal rendabelen.** WIM SARENS: "De economie is cyclisch en die cycli zijn soms heel verschillend in de wereld. Voor ons is de diversificatie naar sectoren en naar landen altijd heel belangrijk geweest, precies om ervoor te zorgen dat onze vloot altijd werk kan vinden. Zo hebben we altijd een plan B als een kras om mindere broodding heeft. Bovendien volgen we onze grote klanten, zoals Total, BP of Exxon in olie en gas, of Volvo en Siemens Gamesa in windenergie, overal ter wereld. Het helpt ons wereld al gewerkt hebben. We zijn geen fabriek. We zijn een bedrijf dat technische diensten en soms advies aanbiedt. De overgang van de klant is voor ons dienstenbedrijf enorm belangrijk." **Hoe zijn de resultaten van 2022?** WIM SARENS: "We zijn tevreden, want we hebben netjes onze doelstellingen gehaald. De omzet is ge-



© CARL EN WIM SARENS  
"We willen een hoge schuldgraad afbouwen en tegelijk investeren in de vergroening van onze vloot."

stegen van 574 miljoen euro in 2021 naar 621 miljoen euro in 2022. De bedrijfscaashflow steg van 142 miljoen euro naar 145 miljoen euro" (in grafiek). **De hoge schuldgraad is al een aantal jaren een bezorgzaamheid. Is de schuldgraad verder afgebouwd?** WIM SARENS: "De schuld bedraagt nog 665 miljoen euro, maar zal dit jaar verder dalen. We streven naar een schuldgraad van 2 tot 2,5 keer de bedrijfscaashflow, tegenover 4,4 keer vandaag. Die hoge schuld is ook het gevolg van de jarenlang uitgestelde start van onze activiteiten voor de bouw van de kerncentrale Flintheup Franc C in het Verenigd Koninkrijk en de realisatie van een groot olie- en gasproject in Kazachstan. Dat zijn twee referentieprojecten die we niet wilden missen en die waren we bereid om het risico op vertraging erbij te nemen." **Wie voelen ons inspannen niet oncomfortabel bij die hoge schuldgraad, omdat de marktwaarde van onze vloot voldoende hoog is, ook al is het samengaan werken met een lagere schuldgraad. We hebben ook altijd een voorkeursbehoefte geweest door groeiende te blijven voor vaste investeringen. We zijn dan weliswaar ingedrukt. In een groot deel van onze toekomstige investeringen kunnen we financieren met onze operationele caashflow. We hebben omvang van 40 miljoen euro van onze eigen obligatie teruggekocht."** **U bent CEO sinds 2009. Hoe blikt u terug op die periode?** WIM SARENS: "We hebben wat wettelijke doorgroeiingen. Denk aan de financiële crisis van 2008."

# SARENS ADD 2 MAN TRUCKS AND 2 FAYMONVILLE MULTIMAX TRAILERS TO FLEET

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31 Mar 2023

## Sarens Add 2 MAN Trucks and 2 Faymonville MultiMAX Trailers to Fleet

Topics: EURO VI engine, Faymonville, MAN, MultiMAX Trailers, Reduce Emissions, TGX 33.540 3-axle, TGX 41.580 4-axle

Sarens are constantly looking for ways to reduce their carbon footprint. Their latest initiative was to invest in a new set of equipment to help further reduce emissions.

In April they welcomed two MAN trucks to their fleet equipped with EURO VI engines, the latest emission technology available in the market. One MAN TGX 41.580 4-axle truck and a MAN TGX 33.540 3-axle truck are now part of our Sarens family!

They also added two spectacular Faymonville MultiMAX trailers, used to transport heavy crane parts.

Equipped with low-polluting engines, their new equipment will support their operations in Europe and beyond.



## SARENS FAMILY REGAINS FULL OWNERSHIP OF SARENS GROUP

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4 Apr 2023

### Sarens Family Regains Full ownership of Sarens Group

Topics: Begoss, Group Luc Tack, Sarens family

Begoss (Group Luc Tack) has reached an agreement with the Sarens family to sell its participation in the capital of Sarens. As a result, Sarens will once again be 100% owned by the Sarens family. As a result of this transaction, Begoss also relinquishes its mandate on the Board of Directors of Sarens. An acquisition price has not been disclosed.

In 2021, Begoss took over the minority interest (22%), previously in the hands of Waterland investment fund, of the crane giant Sarens. "Due to our complementary experience in operating global companies, we were an ideal partner to take over the interest of Waterland in 2021. We are, therefore, pleased that over the past two years we have been able to help the Sarens family to regain full control of their company," says Luc Tack.

"We would like to thank the Tack family for the cooperation and added value over the past two years. With all shares in the hands of the family, we are now armed to profile ourselves even more strongly in the future as the global reference in crane rental, heavy lifting, and engineered transport" says Wim Sarens (CEO Sarens).

This event is of historic significance for Sarens. Sarens is proud to demonstrate through this development its robust standing in the global heavy lifting arena, especially as said change occurs in a time when key contributors in the sector are experiencing an opposite evolution, looking for new shareholders, away from the stable long-term shareholding they have enjoyed in the past. Sarens is sure at the knowledge that this step will solidify and secure the long-term ownership of the company, which will equally allow the organisation to refine its long-term strategy, and strengthen our clients' and employees' trust.

Source Sarens



# SARENS SGC-90 ELECTRIC CRANE PERFORMED HIGHEST LIFTS AT THE BALIKPAPAN REFINERY PROJECT IN INDONESIA

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**TWD** Efficient Module Transport Challenges in Module Transport & Heavy Trade



12 Apr 2023

## Sarens SGC-90 electric crane performed highest lifts at the Balikpapan refinery project in Indonesia

Topics: Balikpapan, electric crane, Indonesia, regeneration, Sarens, SGC-90

Sarens' latest and greenest addition to their fleet of giant cranes, the SGC-90 electric crane, performed the highest lifts at the Balikpapan refinery project in East Kalimantan, on the island of Borneo, Indonesia. The SGC-90 is the first crane of its kind. This green, silent crane plugs into the grid and can even regenerate electricity.

The SGC-90's latest and largest set of lifts were performed for the RDMP Balikpapan Joint Operation as

# SARENS TANZANIA SIGNS MOU WITH RAPHAEL LOGISTICS IN DAR ES SALAAM

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20 Apr 2023

## Sarens Tanzania Signs MOU with Raphael Logistics in Dar Es Salaam

Topics: civil works, Construction, Dar es Salaam, Eastern and Southern Africa, Lifting, logistics, mining, oil/gas projects, port works, power sector, Raphael Logistics, Sarens Tanzania, Tanzania, transport

Raphael Logistics, a logistics, lifting, and transport company, with headquarters in Dar Es Salaam, Tanzania and Sarens in Tanzania have signed an agreement to meet local and international clients' needs for their projects and rentals.

The partnership is a next step in supplying a one-stop-shop solution to our clients in Eastern and Southern Africa.



## 950T BOILER UNITS MOVED BY SARENS IN SCOTLAND

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9 May 2023

### 950t Boiler Units Moved by Sarens in Scotland

Topics: Cables, Floor, INEOS, K20 SPMTs, Sarens, Sarens Projects UK, Spain, three 950t boiler units

Sarens successfully moves three boiler units with SPMTs and bespoke bridging arrangements.

From April through August 2022, Sarens was responsible for loading in and transporting three 950t boiler units on behalf of global engineering and construction company Fluor. The operation was part of work at the INEOS plant in Grangemouth, Scotland, an integrated refinery and petrochemical plant that is one of INEOS' largest manufacturing sites.

Sarens was previously involved in two other phases of this crucial boiler transport operation: the first involved loading out the three boiler units in Cadiz, Spain, so they could sail onward to a trans-shipment base in Rosyth, Scotland. Sarens then performed RORO operations, loading the three units from the ocean-going vessel and onto a towable barge, which allowed for delivery into the port of Grangemouth despite local lock restrictions.

Because Sarens was part of the load-in operation in Rosyth, the project team mobilised to two sites in parallel: one team, along with SPMTs and PPIUs, mobilised to Rosyth, while another mobilised to the Port of Grangemouth to prepare to receive the cargo and store it on Sarens-supplied steel supports until it was needed on site. Because of this arrangement, Sarens could mobilise the SPMTs to Rosyth and then sail them, along with the cargo, to Grangemouth for load-in.

## SARENS SKID THE ROOF AT ROLAND GARROS STADIUM

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10 May 2023

### Sarens Skid the Roof at Roland Garros Stadium

Topics: 2024 Olympics, French Open, Renaudat Centre Constructions, retractable roof, Roland Garros, skidding system, Suzanne Lenglen court, Tennis

The famous Roland Garros stadium is home to the French Open and has hosted spectacular matches and legendary tennis players over the years. As France prepares for the upcoming 2024 Olympics, the Suzanne Lenglen court is being fitted with a modern retractable roof inspired by the pleated skirt Jean Patou designed for 1920s tennis star, and the court's namesake, Suzanne Lenglen.

Sarens is proud to have been part of this fantastic modern upgrade to an iconic court, and was on site from September 2022 through February 2023 to skid two major roof sections in place on behalf of customer Renaudat Centre Constructions.

As part of this operation, the six-person Sarens team skidded two 480t roof sections 28m over the tennis stadium, jacking them down on their final supports. The support towers could only stand at particular places around the tennis court, so the crew had to provide four modular beams with a total length of 36m each.

One of the most pivotal challenges presented by the project was that one roof section had to be built higher than the other due to the presence of an existing building. Because of this, Sarens' jacking towers on top of the beams had to be 3,25m high—a challenge for the stability of the entire structure.

In total, the equipment Sarens deployed for this successful operation included:

- 4 support towers
- 4 modular beams
- 4 skidding systems on top of the beams

# SARENS MOVE 48 MODULES FOR SARAWAK PETCHEM METHANOL PROJECT IN BINTULU

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15 May 2023

## Sarens Move 48 Modules for Sarawak Petchem Methanol Project in Bintulu

Topic: 15711 modules, Bintulu, Komag SPMTs, Malaysia, Petronas Chemical Group, Sarawak Petchem Methanol Project, Sarens

With the new Sarawak Petchem Methanol Project in Bintulu, Malaysia nearing completion, Samsung Engineering entrusted Sarens with the load-in, land transport, and installation of 48 modules that make up the factory. In addition to the onshore heavy transport of these 26m x 47m x 25m modules, Sarens was also charged with heavy lifting work of various components, including process unit modules and columns, using its CC8800-1, CC2800, and CC2400 cranes.



# SARENS STACK SIX 180T MODULES WITH THEIR LR1000 CRAWLER CRANE

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17 Mar 2023

## Sarens Stack Six 180t Modules with their LR1000 Crawler Crane

Topic: coking plant, Duisburg, Germany; Liebherr, lifting heavier, LR11000 crawler crane, reaching higher; Sarens, ThyssenKrupp

Sarens is proud to be the reference for the heavy lifting industry – a distinction earned by always reaching higher, lifting heavier, and doing what others might have thought impossible. With every project completed, they prove again and again that there is nothing too heavy and nothing too high.

As recently as the fall of 2022, Sarens deployed their LR11000 crawler crane to build a quenching tower at the ThyssenKrupp coking plant in Duisburg, Germany. Their client, Franz Bracht, entrusted them with the unique challenge of stacking six 180-tonne modules to build the tower at ever-increasing heights.

For this project, the Sarens crew deployed a Liebherr LR11000 with 120m boom and SL11DBV configuration. The LR11000 is fairly new to Sarens' fleet, having joined it in 2021. It was transported to the work site via truck, with only four days required for complete rigging.

The crew then worked to install one tower module every two days, according to a set schedule. A 650t crawler crane brought each module close to the LR11000, which then lifted them precisely into place. Each 17m x 17m x 10m module had to be stacked one on top of another in order to build the tower, meaning that the final module was installed at a height of 60m!

The project presented unique challenges, including the inherent complexity of lifting and installing 180t modules at such towering heights. Additionally, because the modules were made of wood and had a large surface area, any winds blowing through the site could slow the project's progress. Luckily, wind speeds were low during the operation, which allowed the project to be completed ahead of schedule.

# SARENS MOVES THE LANDMARK BARGE CÉPHÉE IN BELGIUM - INTERNATIONAL CRANES AND SPECIALIZED TRANSPORT

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## Sarens Moves The Landmark Barge Céphée In Belgium

Sponsored by Sarens | 03 April 2023  
 2 min read

Sarens safely lifted, transported, and installed the symbolic barge in Antwerp, Belgium

The Céphée barge, built in 1987 in France, was bought by the Friends of the National Maritime Museum in 1984 from the Antwerp Rhine and Inland Navigation Museum and donated to Antwerp city. Upon closure of the National Maritime Museum this one of a kind barge had to be moved to the Dry Docks, where it will feature at a maritime experience site.



Samoco, a part of Sarens, rose up to the challenge to move the barge from Jordaenskaai to Droogdokken site. The team proposed a technical solution for the project. The project was conducted in two phases:

- The first part included engineering, construction, and installation of a supporting steel frame around the barge and a wooden frame inside the barge.
- The second part was engineering and jacking with SC/50, transport with 12 axle lines of K25 SPMT, jacking at the new location and moving the barge into a new building with wheelsets at the Droogdokken site, a few kilometers further.

For the first phase the steel and wooden frames were ordered, assembled, and installed around the barge by mid-February. The barge measured 40m x 5,8m x 4m and weighed 90T including 40T steel structure around it.

The second phase began with the jacking of the barge to install the SPMTs underneath. Before transporting the barge, our team had to make sure the below preparations were in place:

- Dismantling of concrete wall
- Removal of protected fencing
- Street furniture management
- Removal of fronton of warehouse
- Installation of steel plates
- Application for transport license
- Closing of the road
- Disconnection townlines

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## The Star Contributor Of Our Fleet Working In Rostock, Germany

24 April 2023

2 min read



### SPONSORED CONTENT

"The Game Changer", also known as "Straffen Hendrik", working on an offshore wind project



A star contributor to our fleet of over 1500 cranes, 3100 axle lines, and a set of Giant Cranes, the LR 12500-1.0 was launched a year ago. Called "The Game Changer" by its original designers from the critically acclaimed Liebherr, this crane will offer our Sarens clients versatile solutions for the offshore wind sector and well beyond.

The crane is now stationed and working in Rostock, Germany executing an offshore wind project for our trusted client Van Oord.

Sarens Managing Director, Carl Sarens says, "The high lifting capacity of the LR 12500-1.0 is the outstanding feature for us. The new crane will enable us to close the gap between our crawler and ringer cranes." He adds, "We are particularly focusing on jobs in renewables for the new 2500T crane. Handling offshore wind turbines at ports is also becoming an important business segment as the weights of components continue to rise."

Apart from lifting large components for the offshore wind sector, the LR125000 -1.0 is perfectly suited for the petrochemical industry and port handling work. The crane is easy to transport thus reducing the rigging and transportation cost and time when deployed for global projects.

In honour of our long-time employee Hendrik Sanders, the crane will be christened "Straffen Hendrik" which, in an approximative translation of the Flemish term "straffen", signifies in English strength, goodness, fineness, toughness, and robustness. These are only a few words that characterise the steadfastness of Hendrik, our very own crane guru, who has offered for over 30 years a devoted service to our organisation.

We are thrilled to see this crane continue its work and serve as many clients as possible to accelerate the energy transition safely and always delivering projects on time.

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# SARENS' MASSIVE GREEN CRANE, THE SGC-90, TRIUMPHS AT BALIKPAPAN PROJECT - INTERNATIONAL CRANES AND SPECIALIZED TRANSPORT

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## Sarens' Massive Green Crane, The SGC-90, Triumphs At Balikpapan Project

20 April 2023  
2 min read



### SPONSORED CONTENT

Indonesian Refinery Project Gets Giant Boost From Powerful SGC-90 Crane



refinery site, including:

The SGC-90 electric crane, the newest and greenest addition to Sarens' fleet of giant cranes, has triumphantly performed the highest lifts at the Balikpapan refinery project in East Kalimantan, on the island of Borneo, Indonesia.

This green, silent crane plugs into the grid and can even regenerate electricity. As the first crane of its kind, it's in demand with Sarens' clients worldwide, and is making headlines around the globe.

The SGC-90's latest and largest set of lifts were performed for the RDMP Balikpapan Joint Operation as part of the Indonesian government's Refinery Development Master Plan (RDMP), which aims to expand and upgrade five refineries and increase production by 150%.

Sarens was contracted to provide heavy lifting equipment for the project from October 2020 through the end of September 2023, and the Group has since deployed a range of equipment to the

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from crane  
new role at



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## Sarens Is Leading The Green Transformation

20 April 2023  
2 min read



### **SPONSORED CONTENT**

We're going green across Europe, one solar installation at a time



With the launch of the Sarens Sustainability Accelerator, we are at the forefront of the energy transition, boldly bringing the world smarter engineering, cleaner opportunities, and game-changing innovations. And because we know that real change starts from within, we're serious about accelerating green initiatives within our Group and across the globe.

As part of this mission, we are installing more and more solar panels across Sarens locations worldwide. We started by installing solar panels at our headquarters in Belgium and are now expanding our focus to the positive changes we can make across

our Eastern European locations. These initiatives are already underway in Poland, and we are currently investigating possibilities for photovoltaics in Lithuania and the Czech Republic.

In Poland, we recently installed 50kWp solar panels on our warehouse roof in Sochaczew, and are planning a similar rollout in Gdansk. If regulations allow, we will increase power in Sochaczew to 150 kWp, and potentially increase it to the same level in Gdansk with the use of specially-designed on-ground frames and supports that can provide additional space for the panels.

Investing in photovoltaics has been an important move for Sarens, and one we know will be positive for our environment, our clients, and our bottom line.

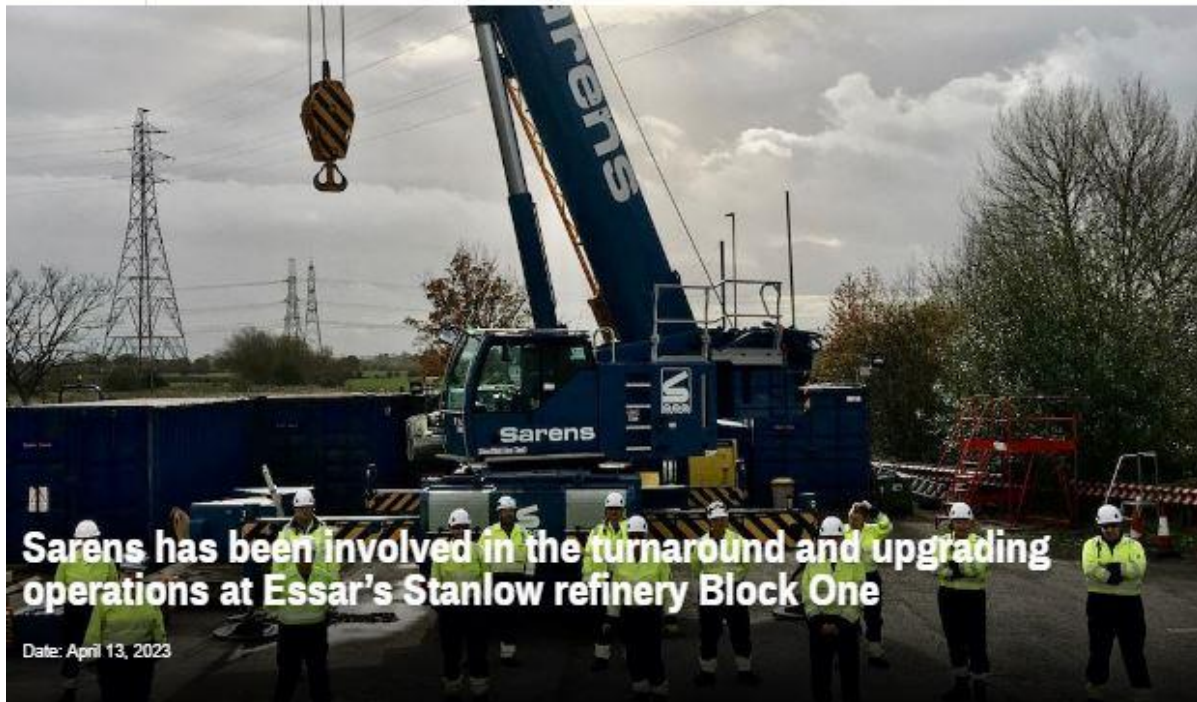
First, the future of Europe depends on the health of our planet, and EU countries have committed to achieving climate neutrality by 2050. Practically speaking, this means reducing the EU's net greenhouse gas emissions

# TBMS START BORING FOR OSLO WATER PROJECT

The screenshot shows a news article on 'theconstructionindex.com'. The article is dated 25 Apr and reports that two tunnel boring machines (TBMs) have started excavating a 19km tunnel for a new water supply project in Oslo, Norway. The main contractor is Skanska Norway, and the TBMs were delivered in September 2022. The project is the largest investment ever undertaken by the City of Oslo, ensuring water supply security through a new clean water tunnel from Høstford, west of the capital, and an underground treatment plant at Huseby. At present, a single water route and one treatment plant supply around 90% of the city's water. Belgian heavy-lift specialist Sarens was contracted to lift the TBM components, each weighing up to 200 tonnes, into the launch shaft at the end of last year. Due to limited space, Sarens used its 5,000-tonne-capacity HGT20 hydraulic gantry to lift and rotate the components into position ready for assembly underground. The two 5.2m-diameter TBMs will remove approximately 600,000m<sup>3</sup> of rock over the next 12 months, with Skanska's contract scheduled for completion in May 2024 and the whole project completed by 2027.

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# SARENS HAS BEEN INVOLVED IN THE TURNAROUND AND UPGRADING OPERATIONS AT ESSAR'S STANLOW REFINERY BLOCK ONE



### Sarens has been involved in the turnaround and upgrading operations at Essar's Stanlow refinery Block One

Date: April 13, 2023


Sarens, world leader in heavy lifting, engineered transport and crane rental solutions, has been directly involved in the turnaround, upgrade and improvement works that have taken place at the Essar Stanlow refinery.

These works, aimed at carrying out major maintenance and repair operations throughout the facility, have affected critical plant infrastructure such as the cracking unit, and have been spread over more than 9 weeks.

This project, the first of this magnitude since spring 2018, has required the shutdown of virtually all the refinery's units to comply with the inspections required by regulators, as well as to carry out various overhauls and upgrades to essential equipment and the installation of new equipment, necessary to maintain the plant's operation continuously and without downtimes.

For this project, Sarens deployed 39 cranes of various sizes, with load capacities ranging from 12 to 750 tonnes, as well as 55 members of its engineering team and technical staff to the Essar site, 16 of whom have been permanent staff at the Sarens depot at the refinery since November 2020. In addition, during the operation, the Sarens team also used different units of SPMTs (Self-Propelled Modular Trailers) and other Jacking and Skidding systems to transport materials inside the plant.

To facilitate maneuvering and optimise transport processes, Sarens technical team used, among other equipment, a comprehensive electronic steering system for the SPMTs with the site of

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# SARENS, INVOLVED IN THE TURNAROUND AND UPGRADING OPERATIONS AT ESSAR'S STANLOW REFINERY BLOCK ONE



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## SARENS, INVOLVED IN THE TURNAROUND AND UPGRADING OPERATIONS, REFINERY BLOCK ONE



12th April 2023

Sarens contributed 20 cranes, with maximum load capacities ranging from 12 to 750 tons, as well as 55 members of its engineering team and various S/MTs and jacking and Skidding systems to these maneuvers.

The upgrade works, necessary to meet the insurance requirements to enable the refinery to keep running, are the first at the plant since 2018, and will continue in a second phase from September 2023.

The Stanlow plant currently produces 4.4 billion litres of diesel each year, 3 billion litres of petrol a year and over 2 billion litres of jet fuel per year, accounting for 16% of the UK's road transport fuels.

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To facilitate maneuvering and optimize transport processes, Sarens technical team used, among other resources, a programmable electronic steering system for its S/MTs, with the aim of providing accurate alignment of plant during the installation. In addition, new structural steel supports designed and provided by Sarens for the 11T/750 crane - the one with the highest load capacity used on this occasion - were also used as a pedestal to pick-up a set of existing ring piles, to avoid the need for site civil works.

Essar's Stanlow plant is one of the largest in terms of production volume in the UK. It is currently responsible for the production of up to 16% of the fuels used by British transport, especially in the NorthWest region, which includes major

# PRODUCCIÓN DE GAS SERÁ CLAVE PARA INDEPENDENCIA ENERGÉTICA DE MÉXICO



PETROLIO Y GAS ELECTRICIDAD RENOVABLES INDUSTRIA POLITICA Y NORMATIVIDAD MERCADOS

Inicio / Industria / Noticias / Producción de gas será clave para independencia energética de México

INDUSTRIA - Cierre por Rating: Energy21 al Mar, 25/09/2021 - 11:35 / 0 Comentarios

## Producción de gas será clave para independencia energética de México



Pese a que el incremento de la producción de gas en México alcanzaría un promedio de 4 mil 500 millones de pies cúbicos diarios, el aumento de las importaciones de gas natural de Estados Unidos se estima en 500 millones de pies cúbicos por día, lo cual representa un freno a la independencia energética en nuestro país.

De acuerdo con [Sarens](#), la demanda del combustible en México se ha incrementado, principalmente por su uso en las centrales de ciclo combinado, plantas de turbinas y termoeléctricas para la generación eléctrica.

"La independencia energética mexicana debe ser un proyecto en el que todos aportemos nuestra experiencia. Por ello, creemos que solo mediante una inversión continuada en la infraestructura estaremos más cerca de esta meta", expresó José Aceves, country Manager de la compañía en el país.

En fechas recientes, [Pemex](#) incluyó 37 nuevos campos de extracción de gas a los existentes, los cuales prevén una recuperación de 4 mil 500 millones de pies cúbicos diarios, es decir, 17 por ciento más en comparación del año anterior.

## LOS CAPITALES: MÉXICO IMPORTA GAS NATURAL DE EU; 500 MILLONES DE PIES CÚBICOS DIARIOS

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México, CDMX a martes 16 de mayo, 2023 15:16:55

abril 25, 2023 96 Vistas

### LOS CAPITALES: México importa gas natural de EU; 500 millones de pies cúbicos diarios

Por Vocero

Por EDGAR GONZALEZ MARTINEZ Si bien la producción de gas de México alcanzará este año un promedio de 4,590 millones de pies cúbicos al día (Mpc/d), y la producción de petróleo crudo ha crecido en aproximadamente 9,000 barriles diarios, las importaciones de gas de EU en aproximadamente 500 millones de pies cúbicos al día, sigue...

**CDMX aplaza (nuevamente) anuncio sobre las alcaldías donde continuará plan de vacunación**

**Hayden Christensen interpretará nuevamente a Darth Vader**

Por EDGAR GONZALEZ MARTINEZ

Si bien la producción de gas de México alcanzará este año un promedio de 4,590 millones de pies cúbicos al día (Mpc/d), y la producción de petróleo crudo ha crecido en aproximadamente 9,000 barriles diarios, las importaciones de gas de EU en aproximadamente 500 millones de pies cúbicos al día, sigue siendo un importante freno al objetivo de la independencia energética mexicana. Así lo señalan analistas de Sarens, líder mundial en la instalación y mantenimiento de plantas energéticas en todo el mundo. Sarens, además, participó en el proyecto de la refinería de Dos Bocas, en México.

Al respecto, José Aceves, Country Manager de Sarens en México, nos dijo: "la independencia energética mexicana debe ser un proyecto en el que todos aportemos nuestra experiencia. Por ello, creemos que solo mediante una inversión continuada en la infraestructura estaremos más cerca de esta meta". Y nos recordó que recientemente, la compañía estatal Pemex ha incluido 37 nuevos campos de extracción de gas a los ya existentes, con un incremento proyectado del 17% respecto al año pasado, con un total de 4,590 millones de pies cúbicos al día. De la misma forma, las importaciones de gas natural procedente de EU promediarán 12.1 mil millones de pies cúbicos por día a finales de este año, con un incremento de sólo 14%, especialmente gracias al aporte de los gasoductos de Tula-Villa de Reyes, Guaymas-El Oro o y el oleoducto Mayakan en la península de Yucatán.

"Nubarrones" en la economía estadounidense ensombrecen el panorama mundial: CIBanco.

La semana pasada fue de transición en los mercados financieros globales. La atención estuvo puesta en los reportes corporativos correspondientes al primer trimestre del año, sobre todo en EU, que en términos generales han superado expectativas, pero los resultados de las grandes tecnológicas como Netflix y Tesla no están siendo del todo convincentes. El tema del impacto del tumulto financiero provocado por los problemas de la banca estadounidense volvió a estar en el ambiente por declaraciones de funcionarios y apariciones de ello en el libro beige del banco central estadounidense. En México, de acuerdo con el indicador oportuno de actividad económica, la economía se pudo haber desacelerado en marzo, sobre todo en la parte de la industria manufacturera, pero aun así el primer trimestre fue bueno en lo general.

Mientras llega la fecha de la próxima reunión de la Fed (principios de mayo), los operadores se concentran en las especulaciones sobre los futuros pasos de la autoridad monetaria, las dudas sobre una posible recesión económica,

# MÉXICO IMPORTA GAS NATURAL DE EE.UU.; 500 MILLONES DE PIES CÚBICOS POR DÍA – MOMENTO



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10 de febrero de 2019 a las 12:00

## México importa gas natural de EE.UU.; 500 millones de pies cúbicos por día – Momento

Por **Diego González Martínez**



Por **DIEGO GONZÁLEZ MARTÍNEZ**

Aunque la producción de gas de México (promedio 1.300 millones de pies cúbicos por día (MPCD), con pico) y la producción de petróleo crudo ha crecido en aproximadamente 9.000 barriles por día, las importaciones de gas de EE.UU. se aproximadamente 500 millones de pies cúbicos por día, cantidad considerable para el abastecimiento energético de México. Esto es, lo que eleva las sanciones Keruec, día mundial en la industria y manufacturera de aceites a través de todo el mundo. Hasta también porque es el primer de refinería San Diego en México.

El negocio. José Antonio Gómez, ministro de Energía en México, dijo: "La independencia energética de México debe ser un proceso en el que todos compartamos nuestra experiencia. Por una parte, tenemos que estar a la vanguardia en cuanto a tecnologías avanzadas como el uso de carbón". Y, también que desarrollamos "nuestro propio. Para la semana 17, cuando se consuma el gas a los niveles, nos hay proyectado de consumo de 17% respecto al año pasado, que es un total de 1.300 millones de pies cúbicos por día. En igual manera, las importaciones de gas aumentó desde 33.33% promedio de 17.000 millones de pies cúbicos por día al estar ya en 18%, con los niveles de 14%, aproximadamente general al resto de los productores. Tal y como en España, Colombia y Ecuador, el crecimiento de México por la producción de Gasoleno.

"Sabes cuando" es necesario comprenderlos completamente primero: México y Chile.

La semana pasada fue una de las más importantes en los mercados financieros globales. La semana se caracterizó por las fuertes ganancias de los mercados de acciones, especialmente en EE.UU., que se reflejaron en las ganancias de los mercados de divisas. En los mercados de divisas, el dólar y el peso mexicano se fortalecieron. El resto del mundo se vio afectado por la volatilidad de los mercados de divisas, pero los países de América Latina, especialmente México, se beneficiaron de la volatilidad de los mercados de divisas, ya que el peso mexicano se fortaleció. La semana pasada también fue una de las más importantes en los mercados de divisas, ya que el peso mexicano se fortaleció. La semana pasada también fue una de las más importantes en los mercados de divisas, ya que el peso mexicano se fortaleció.

México sigue la tónica de la semana pasada de la Fed, que se vio afectada por la volatilidad de los mercados de divisas, ya que el peso mexicano se fortaleció.



# MÉXICO IMPORTA GAS NATURAL DE EU; 500 MILLONES DE PIES CÚBICOS DIARIOS

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## México importa gas natural de EU; 500 millones de pies cúbicos diarios

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**Cultura contra el Banco del bienestar - Índice Político Noticias México, Opinión, FORTES FUERTES**

Por **EDGAR GONZÁLEZ MARTÍNEZ**

Si bien la producción de gas de México alcanzó este año un promedio de 4,580 millones de pies cúbicos al día (MCD), y la producción de petróleo crudo ha crecido en aproximadamente 9,000 barriles diarios, las importaciones de gas de EU en aproximadamente 500 millones de pies cúbicos al día, siguen siendo un importante freno al objetivo de la independencia energética mexicana. Así lo señala analista de Sarens, líder mundial en la instalación y mantenimiento de plantas energéticas en todo el mundo. Sarens, además, participó en el proyecto de la refinería de Dos Bocas, en México.

Al respecto, José Acosta, Country Manager de Sarens en México, nos dijo: "la independencia energética mexicana debe ser un proyecto en el que todos aportemos nuestra experiencia. Por ello, creemos que solo mediante una inversión continuada en la infraestructura energética más cerca de esta zona". Y así ocurrió que recientemente, la compañía estatal Pemex ha incluido 17 nuevos contratos de extracción de

## THE STRATEGY TO BOOST OFFSHORE WIND ENERGY IN THE U.S. WILL REQUIRE MORE THAN \$3.5 BILLION OF INVESTMENT IN WIND TURBINES



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by Tina Olivero



### The strategy to boost offshore wind energy in the U.S. will require more than \$3.5 billion of investment in wind turbines

20 April 2023

The U.S. government has set a target of 30 GW of offshore wind energy production by 2030, which would require the installation of approximately 2,100 new wind turbines and the employment of nearly 49,000 employees over the next seven years.

# THE STRATEGY TO BOOST OFFSHORE WIND ENERGY IN THE U.S. WILL REQUIRE MORE THAN \$3.5 BILLION OF INVESTMENT IN WIND TURBINES



## The Strategy to Boost Offshore Wind Energy in the U.S. Will Require More Than \$3.5 Billion of Investment in Wind Turbines

27 Apr 2023



The U.S. government has set a target of 30 GW of offshore wind energy production by 2030, which would require the installation of approximately 2,100 new wind turbines and the employment of nearly 49,000 employees over the next seven years. Sarens, as a major player in offshore wind projects around the world, offers public and private institutions involved in the implementation of new wind farms its experience and its fleet of cranes and barges to accelerate this energy transition and ensure that it is carried out with the highest quality and safety standards.

Currently, there are already two projects in the USA close to start-up -Vineyard Wind and South Fork Wind- in addition to seven that should be operational by 2025 -Gulf of Maine, New York Bight, Central Atlantic, Gulf of Mexico, The Carolinas, California and Oregon-.



The recently announced strategy set by the US government to halve the country's greenhouse gas emissions by 2030 by boosting offshore wind energy will require an investment of more than \$3.5 billion in the installation of 2,100 new wind turbines, according to data from the "Supply Chain Road Map for Offshore Wind in the United States" report prepared by the National Renewable Energy Lab (NREL).

According to this report, reaching the 30 GW of offshore wind energy forecast will require a significant logistical effort involving nearly 49,000 employees over the next seven years, and the use of 58 crew transfer vessels, between 4 and 8 wind turbine installation vessels, 11 service operation vessels, between 4 and 8 transport vessels or 4 to 6 heavy lift vessels among others. Therefore, Sarens, world leader in heavy lifting, engineered transport and crane rental services, offers to all public and private institutions involved in this energy transition its worldwide experience in wind farm installation, as well as its fleet of cranes and barges, one of the biggest in the world, so that the implementation of the new infrastructures and turbines is carried out according to the highest quality and

# BOOSTING OFFSHORE WIND ENERGY IN THE U.S. WILL REQUIRE MORE THAN \$3.5 BILLION INVESTMENT IN WIND TURBINES

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## Boosting Offshore Wind Energy in the U.S. will Require More Than \$3.5 Billion Investment in Wind Turbines

04/21/2020

The U.S. government has set a target of 30 GW of offshore wind energy production by 2030, which would require the installation of approximately 2,100 new wind turbines and the employment of nearly 49,000 employees over the next seven years.

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# A LOOK AT THE BIGGEST, BOLDEST CRANES ON THE PLANET: SARENS SGCs



## A Look At The Biggest, Boldest Cranes On The Planet: SGCs

By Yulia Smirnova | 15 May 2023  
4 min read

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From the record-smashing SGC-250 to the strong and sustainable SGC-90, Sarens cranes are taking the world to new heights



The Sarens Giant Cranes (SGCs) are the biggest cranes on the planet, and have been built for a world where nothing is impossible. Packed with Sarens' innovative engineering, these cranes were designed entirely in-house and combine stability, precision, safety, and novel design to streamline on-site project work. Our family of SGC cranes are the future of super-heavy lifting, confidently handling the highest and heaviest loads the world has ever seen.

SGC-250 led the pack with its launch as the world's biggest land-based crane. Inaugurated in 2018, the SGC-250 was nicknamed the "Big Carl" after our director of technical solutions, Carl Sarens. It boasts a 5,000T lifting capacity and load moment of 250,000MT. The Big Carl boldly took on its first assignment at the Hinkley Point C Nuclear Power Plant in the UK, one of the largest construction projects in the world. With its ability to relocate, fully rigged, from one lifting position to another, the SGC-250 has brought precedent-breaking innovation to the global crane industry.

SGC-140 is not only one of the biggest cranes in the world, it is also fully "containerisable." All of its power and potential can fit perfectly into standard 40-foot containers, which can later be used as counterweight on site. With its 130-metre boom and 3,200T lifting capacity, the SGC-140 is known for its compact footprint and low ground-bearing pressures.

SGC-120 can lift up to 3,200T to millimetre precision, moving around a compact 38,4-metre diameter ring base. We've often called it the SGC-140's "little brother," but make no mistake: there is nothing little about this mega-crane, also known as Big Benny, in homage to the late Benny Sarens, a pioneer in the design of this first crane among the SGC family members.

SGC-90 a fully-electric crane that generates its own energy. A giant of epic proportions, it boasts a 130-metre boom length as high as the Great Pyramid of Giza. With its compact, 35-metre ring diameter and 1,650T lifting capacity, this mighty crane is strong, silent, and sustainable. Nicknamed Little Celeste after the daughter Matthias Sarens who lead the design of this machine, the SGC-90 is leading the way into a sustainable future



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## Belgium desirous about finishing up inexperienced vitality initiatives with Azerbaijan – MFA (Exclusive)

BY MEVA BAKIRAZ – MARCH 27, 2023 – UPDATED: MARCH 27, 2023

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BAKU, Azerbaijan, March 27: Belgium is within the implementation of quite a lot of initiatives in varied fields in Azerbaijan, Nicolas Fierons Gevaert, Spokesperson for Belgian Ministry of Foreign Affairs, instructed Trend.

According to the spokesperson, the non-public sector can be an vital participant within the Belgian open economic system and its international commerce.

"Flanders Investment and Trade" from Belgium's Flemish area, in addition to "Wallon Export & Investment Agency" from Wallonia organized a commerce mission to Azerbaijan in November final yr in order to advertise bilateral international commerce, Gevaert added.

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With the advancement of technology, we have witnessed a significant shift in the way we work. The use of machines has enabled us to perform tasks that were previously impossible or extremely laborious. In industries such as mining, construction, and agriculture, the use of giant machines has become increasingly popular due to their ability to perform tasks quickly and accurately without human intervention. Let's take a closer look at some of the diverse giant machines used across various lines of business.

Let's start with the Bucket Wheel Excavator 6600, a giant machine used in the mining industry. This massive machine is equipped with automation and full electrical works, making it one of the most advanced excavators in the world. With a height of over 96 meters and a weight of 13,500 tons, the Bucket Wheel Excavator 6600 is capable of excavating large amounts of earth and minerals in a short period.

After mining, the next step is harvesting, and the agriculture industry has its share of giant machines. The ROPA Maus 6 with Tiger 65 &

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## Sarens training centre gets revamped

Sponsored by Sarens | 21 March 2023

Sarens ECOL centre was revamped to increase capacity and introduce new live training sessions.





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## Sarens appointed to support Qatar's increased LNG production

Published by: [Sarens Care](#), Deputy Editor  
LNG Industry | 22 May 2022 | 13:24

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Sarens, a world leader in heavy lifting, engineered transport, and crane rental services, is working alongside Qatar Fabrication Company W.L.L (QFAS) to build several offshore jackets for Qatar Gas. This new partnership comes at a strategic time, with Qatar's ambition to localise its energy sector supply chain and increase its LNG production from 77 million to 110 million tpy in the coming years.

QFAS is a joint venture between McDermott, the country's leading technology provider, engineering and construction and one through fabrication yard located in Al-Ja'ana, and Nakilat, Qatar's leading shipping and maritime company. Sarens has been able to establish a long-term relationship with QFAS from 2007, just after its formation. This has meant that QFAS has based its engineering, design and lifting calculations on Sarens cranes, making them the main option for carrying out this project.

Sarens has also been a key player in the construction of the project, providing end-to-end engineering solutions that will help QFAS joint venture to carry out the construction, maintenance, repair and refurbishment of onshore and offshore structures, as well as all types of vessels. This way, Sarens has been able to deliver all the equipment according to QFAS schedule, without affecting timelines, and has been able to deploy its experienced heavy lift operators to carry out the assignment.

Lifting 300 – 400 t to over a height of 80 – 100 m is a major challenge for the project engineers. Thanks to the equipment deployed, which consisted of different models of crawler cranes such as the LR1750, with a maximum load capacity of 750 t, or other smaller cranes such as the CC3500, LR1300, and LR1100, these tasks could be carried out without major setbacks. In addition, to complete the equipment necessary to undertake the operations, the Sarens Projects division has also supported QFAS by supplying a CC3500 crane model, the largest on the project, with a maximum capacity of 3300 t, a boom length of 130.0 m and a maximum jib length of 254.0 m.

Rhyno Venter, Project Managing Director (PMD) and APAC sales: "The QFAS team appreciated the way Sarens division carried out the lifting operation in a professional and safe manner. Thanks to our extensive experience in the construction industry and the proved expertise of our engineers, we have placed the equipment and infrastructure necessary to successfully complete a project of this scale, overcoming all the challenges we have faced."

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**IOI and SK E&S sign framework LNG agreement**

News | 20 May 2022 09:00

IOI and SK E&S have recently signed a framework agreement on co-operation opportunities in the field of international LNG business development.

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# SARENS ON HAND FOR REFINERY TURNAROUND



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# Sarens on hand for refinery turnaround

By Samuel Barber | 29 March 2023



Sarens has been involved in the turnaround, upgrade and improvement works for major maintenance and repair operations at the Essar Stanlow refinery in the UK.



# SARENS' LR 12500-1.0 WORKING IN ROSTOCK FOR VAN OORD

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## Sarens' LR 12500-1.0 Working in Rostock for Van Oord

Topics: 2200t crane, Germany, Liebherr, LR 12500-1.0, offshore wind project, port handling work, Rostock, Straffen Hendrik, The Game Changer, Van Oord

A star contributor to the fleet of over 1500 cranes, 3100 axle lines, and a set of Giant Cranes, the LR 12500-1.0 was launched a year ago.

Called "The Game Changer" by its original designers from the critically acclaimed Liebherr, this crane will offer Sarens' clients versatile solutions for the offshore wind sector and well beyond.

The crane is now stationed in Rostock, Germany working on an offshore wind project for their trusted client Van Oord.

Sarens Managing Director, Carl Sarens says, "The high lifting capacity of the LR 12500-1.0 is the outstanding feature for us. The new crane will enable us to close the gap between our crawler and ringer cranes." He adds, "We are particularly focusing on jobs in renewables for the new 2500t crane. Handling offshore wind turbines at ports is also becoming an important business segment as the weights of components continue to rise."

Apart from lifting large components for the offshore wind sector, the LR125000 -1.0 is perfectly suited for the petrochemical industry and port handling work. The crane is easy to transport thus reducing the rigging and transportation cost and time when deployed for global projects.

In honour of Sarens' long-time employee Hendrik Sanders, the crane will be christened "Straffen Hendrik". The Flemish word "Straffen", translates in English to signify strength, goodness, fineness, toughness, and robustness. These are only a few words that characterise the steadfastness of Hendrik, Sarens' very own crane guru, who gave devoted service to Sarens for over 30 years.

Sarens are thrilled to see this crane continue its work and serve as many clients as possible to accelerate the energy transition safely and always delivering projects on time.



# SARENS MOVES THE LANDMARK BARGE CÉPHÉE IN BELGIUM



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## Sarens moves the landmark barge Céphée in Belgium

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Sarens safely lifted, transported, and installed the symbolic barge in Antwerp, Belgium.



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## SARENS FAMILY REGAINS FULL OWNERSHIP



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BUSINESS

# Sarens family regains full ownership

By Sophie Barnes | 4 April 2023



The Sarens family has regained 100 percent of the shares of the Sarens Group after reaching an agreement with minority shareholder Begoos (Group Luc Tack).



Image source: Sarens

Begoos took over the 22 percent stake in Sarens that was previously held by Waterland investment fund in 2021.

Wim Sarens, ceo of Sarens, said: "With all shares in the hands of the family, we are now armed to profile ourselves even more strongly in the future as the global reference in crane rental, heavy

# SARENS FAMILY BUYS BACK LUC TACK'S STAKE IN THE COMPANY



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Photo: Sarens

Sarens family has taken over the full control and ownership of Sarens, the crane rental services, heavy lifting, and engineered transport, company. The company has reached an agreement with Begoon, part of Luc Tack Group, under which the company also relinquishes its mandate on the board of directors of Sarens. The family has not disclosed the price tag of the transaction.



In 2021, Begoon took over the minority interest (22 per cent), previously in the hands of Waterland investment fund, of the crane giant Sarens.

"Due to our complementary experience in operating global companies, we were an ideal partner to take over the interest of Waterland in 2021. We are, therefore, pleased that over the past two years we have been able to help the Sarens family to regain full control of their company," says the Belgian billionaire **Luc Tack**, managing director of Begoon.

"We would like to thank the Tack family for the cooperation and added value over the past two years. With all shares in the hands of the family, we are now aimed to profile ourselves even more strongly in the future as the global reference in crane rental, heavy lifting, and engineered transport," says **Wim Sarens**, CEO of Sarens.

The family sees this event as of historic significance for Sarens. The company looks to demonstrate through this development its robust standing in the global heavy lifting arena, especially as said change occurs in a time when key contributors in the sector are experiencing an opposite evolution, looking for new shareholders, away from the stable long-term shareholding they have enjoyed in the past.

# WITH A CAPACITY OF 250.000T/M, THE SGC-250 CONTINUES TO BE THE LARGEST LAND-BASED CRANE IN THE WORLD

## With a capacity of 250.000T/m, the SGC-250 continues to be the largest land-based crane in the world

Discover the power of Sarens SGC-250, the world's largest crane.



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In the world of [heavy lifting](#) and [engineered transport](#), Sarens has established itself as a global leader. The company's success can be attributed to a combination of cutting-edge design tools, a massive inventory of cranes, [transporters](#), and specialist rigging equipment, and a team of highly qualified professionals.

One example of Sarens' expertise can be seen in their recent work on a bleacher project. In a new episode of the show "Giant Machines," viewers can see Sarens in action, performing a load-in, loading, and assembly of jackets for the bleachers. This type of work requires a significant amount of skill and expertise, as well as specialized equipment to lift and move heavy loads safely and efficiently.

In addition to their work on the bleacher project, Sarens is also making a statement with new UK-made caps. This move showcases the company's commitment to supporting local businesses and investing in quality products. By choosing to produce their caps in the UK, Sarens is helping to create jobs and support the economy, while also providing their employees with high-quality, stylish headwear.

Overall, Sarens' success can be attributed to their focus on innovation, expertise, and quality. By combining the latest design tools with a massive inventory of equipment and a team of highly skilled professionals, the company has established itself as a global leader in the heavy lifting and engineered transport industry. Whether they're working on a bleacher project or producing stylish new caps, Sarens is committed to excellence in everything they do.

# NORTHERN LIGHTS CCS PROJECT'S DIOXIDE TANKS MOVED BY SARENS

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## Northern Lights CCS project's dioxide tanks moved by Sarens

Published on 13-01-2023 at 14:34

Photo: © Sarens

Sarens recently had a hand in moving the Norwegian carbon capture and storage project, Northern Lights, forward by handling 12 carbon dioxide tanks on behalf of Aker Solutions.



The Northern Lights project is part of the greater Norwegian carbon capture and storage initiative, Longship. The goal of the project is to capture carbon dioxide from industrial sources and ship it, in liquid form, to a subsea location in the North Sea for permanent storage.

Executed on-site in Kolverak, Norway, the transport operation called for 24 axle K2RST self-propelled modular transporters and two Maso power pack units (PPUs). All the equipment was mobilised to the site via four trucks and required a half day of rigging to prepare for transport. The SPMs arrived in mid-November and will remain on-site through mid-April.

### Roll Group handling the shipping

Roll Group was involved in the Northern Lights project, transporting all 12 CO<sub>2</sub> storage tanks.

In its first voyage the company's vessel, RollDuck Six, loaded seven tanks in Arvik and transported them to Kolverak. In its second trip, the vessel transported the remaining five tanks.

### Careful planning

Sarens knew that load capacity would be critical at the site and that it was crucial to stay below 5T per square metre. Sarens SPMs transported each tank from the quayside to the storage area, a distance of approximately 800 metres.

Each of the 35-metre long, 250-tonne tanks was moved along two lines of 12-axle SPMs with two power pack units. The tanks had to be transported at a certain height to get into the jibside, Energiparken Havn, through fixed entry gates. For this reason, high cribbing on the trailers was required.

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SARENS SUPPORTS NORTHERN LIGHTS PROJECT IN NORWAY



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PROJECTS

# Sarens supports Northern Lights proje Norway

By Sophie Barnes | 13 April 2023



Earlier this year, engineered heavy transport specialist Sarens moved 12 CO2 tanks for Aker Solutions and the Northern Lights carbon capture project in Norway.



## SARENS MOVE 230T NORTHERN LIGHTS PROJECT TANKS

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17 Apr 2023

### Sarens Move 230t Northern Lights Project Tanks

Tagline: Aker Solutions AS, Avilaa, Kollnesa, Northern Lights Project, Norway, Rolldock, Sarens, SPMT

For several weeks in January, Sarens was involved in moving 12 carbon dioxide tanks on behalf of customer Aker Solutions AS and the Northern Lights project. The Northern Lights project is part of the greater Norwegian carbon capture and storage initiative, Longship. The goal of the project is to capture carbon dioxide from industrial sources and ship it, in liquid form, to a subsea location in the North Sea for permanent storage.

Executed on site in Kollnes, Norway, the transport operation called for 24 axle K24ST SPMTs and two Maxi PPU's. The K24ST SPMTs were selected due to their impeccable performance on similar projects. All the equipment was mobilised to the site via four trucks and required a half day of rigging to prepare for transport. The SPMTs arrived in mid-November and will remain on-site through mid-April.

For this operation, careful planning was vital. Sarens knew that load capacity would be critical at the site and that it was crucial to stay below 5t per square metre. Working with maximum precision and care.

# SARENS IS LEADING THE GREEN TRANSFORMATION IN EASTERN EUROPE



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## Sarens is leading the green transformation in Eastern Europe

Sarens Sponsored by Sarens | 18 April 2023



With the launch of the Sarens Sustainability Accelerator, we are at the forefront of the energy transition, boldly bringing the world smarter engineering, cleaner opportunities, and game-changing innovations. And because we know that real change starts from within, we're serious about accelerating green initiatives within our Group and across the globe.



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# FIRST LIEBHERR LR 12500-1.0 DELIVERED

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## NEWS

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### First Liebherr LR 12500-1.0 delivered

Belgian international crane and heavy lifting company Sarens has taken delivery of the very first 2,500 tonne **Liebherr LR 12500-1.0 crawler crane**.

The new crane was handed over formally at the Port of Rostock, Sarens plans to use the revolutionary new crane, primarily in the renewable energy sector, including offshore wind turbines.



The handover in Rostock earlier this month

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# SARENS TAKES DELIVERY OF THE FIRST LIEBHERR LR 12500-1.0 CRAWLER CRANE

## Sarens takes delivery of the first Liebherr LR 12500-1.0 crawler crane

By Alex Dahm | 20 April 2023  
2 min read



Handover of the first unit of Liebherr's new LR 12500-1.0 crawler crane, to Sarens. Photo: Liebherr

International heavy lifting and transport specialist Sarens has taken delivery of the first unit of Liebherr's 2,500 tonne capacity crawler crane, the LR 12500-1.0.

The handover took place at the Port of Rostock on the coast of north east Germany on 1 April, a year after the first announcement of this new model. In the ceremony Sophie Albrecht, Liebherr Board member, handed over the crane to Marc Sarens, Sarens director and Board member. The family-owned company will use its new lattice crawler crane primarily in the renewable energy industry, for example, lifting components for offshore wind turbines.

Commenting on the latest acquisition Carl Sarens, director technical solutions, projects and engineering, said, "The capacity of the LR 12500-1.0 is enormous. Operations in the renewable energy sector, such as here in

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## PSA BREAKBULK TO BUILD NEW PROJECT CARGO TERMINAL IN ANTWERP

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### PSA Breakbulk to build new project cargo terminal in Antwerp

Published on 21-04-2023 at 09:11

Image: © Port of Antwerp-Bruges

PSA Breakbulk is investing 10 million euros for a new logistics heavy lift hub at the port of Antwerp-Bruges, in Belgium. The project aims at having a facility designed to serve as a one-stop shop for project cargo transportation services.

# OCEAN WINDS PROCEEDING WITH NORTH SEA MORAY WEST WIND PROJECT

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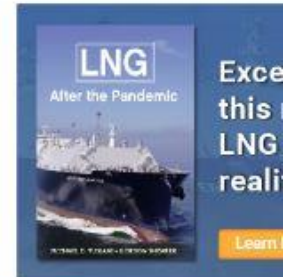
## Ocean Winds proceeding with North Sea Moray West wind project

The Moray West offshore wind farm project in the UK North Sea can move forward after securing £2 billion (\$2.48 billion) of non-re project finance.

April 24, 2023



Following the award of seabed rights from The Crown Estate, the development phase for the Moray West offshore wind farm began in 2016 with site specific surveys leading to applications for marine and onshore consents. All necessary consents were secured in early 2019.



### LATEST IN RENEWABLE ENERGY

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# JACKING SYSTEM RENTAL SERVICES MARKET

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## Jacking System Rental Services Market 2023 Growth Drivers and Future Outlook | Top Brands Sarens NV Mammoet ALL Erection & Crane Rental Corp. Lampson International LLC Action Construction Equipment Ltd. ALE XCMG Zoomlion Sanghvi Movers Limited Giddings Power Jacks ALE Heavylift Rexroth

The study looks at industry trends, developments, challenges, market forecasts, market share, and growth rate through 2022. The study report estimates sales, revenue, market share, challenges, and opportunities for the [Global Jacking System Rental Services](#)

**Market** market based on this research. The report contributes to the development of a detailed market analysis by focusing on influencing aspects of Jacking System Rental Services markets such as business operational dynamics in the Jacking System Rental Services industry, key organizations in the Jacking System Rental Services industry, market forces analysis, innovations in the Jacking System Rental Services market, major drivers, and future growth strategies.

### Key Players in the Jacking System Rental Services market:

Sarens NV  
Mammoet  
ALL Erection & Crane Rental Corp.  
Lampson International LLC  
Action Construction Equipment Ltd.  
ALE



# CONSTRUCTION EQUIPMENT RENTAL MARKET: INCREASING ADOPTION OF RENTAL EQUIPMENT IN VARIOUS INDUSTRIES TO BOLSTER THE MARKET GROWTH DURING THE FORECAST PERIOD.

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## Construction Equipment Rental Market: Increasing Adoption of Rental Equipment in Various Industries to Bolster the Market Growth during the forecast period.

PRESS RELEASE  
Published May 4, 2023  
Xherald

As per the study initiated By Evolve Business Intelligence, the global Construction Equipment Rentalmarket size accounted for USD 12.1 Billion in 2022, growing at a CAGR of 5.51% from 2023 to 2033. The rental market for construction equipment pertains to the leasing of machinery, vehicles, and handling equipment used in construction to contractors and construction companies. Renting equipment is a more cost-effective option than purchasing, and it provides access to the latest equipment with out the high cost of ownership. The market for construction equipment rental is fueled By several factors, such as the growing demand for construction activities in industries like residential, commercial, and infrastructure, and the popularity of rental services among small and medium-sized construction companies that cannot afford to buy their equipment

More from Xherald

1. Heat Exchanger Industry on the Rise: Global Market Size to Reach USD 18.1 Billion By 2022 with 5.90% CAGR Growth Expected from 2023 to 2033
2. Global Fan Coil Unit Market Is Booming Worldwide 2022-2028 | Barcol-Air (UK) Ltd, Crane Holdings Co., Haier Inc., Hitachi Ltd., Johnson Controls, LG Electronics, Midea Group, Mitsubishi Electric Corporation, Samsung, TROX GROUP

## HEADWAY FOR SPMT WORKING GROUP



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## HEADWAY FOR SPMT WORKING GROUP

May 2023

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EMAIL



ESTA's SPMT working group makes progress.

ESTA reports its SPMT working group is making steady progress and the association aims to produce an updated best practice guide as planned later this year.

The scope of the group's work includes:

- the content of training for operatives
- new requirements for the stability of trailers
- the need for accurate information from clients

It is also looking into the lifespan of SPMTs. As the oldest came onto the market 40 years ago, the group is considering whether and how the lifespan of the oldest versions can be safely and cost-effectively extended.

Twelve leading European companies have said they will join ESTA's discussions. They are Collett, Cometto, DNV, Fagioli, Goldhofer, Mammoet, Mirens, Siemens Gamesa, Technip Energies, Terra Navtica, Tii Group and Wipac.



## TUGDOCK AND SARENS WORK TOGETHER

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## TUGDOCK AND SARENS WORK TOGETHER

4 May 2023

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EMAIL



UK startup works with world leading transport and lifting company in offshore wind sector.

A UK startup company by the name of Tugdock Limited, located in Cornwall, announced a partnership with Sarens to offer a novel solution. Lucas Lowe-Houghton, director of business development for Tugdock, explains: "The floating offshore wind sector is expected to continue to grow rapidly. However, very few of the world's ports have sufficient water depth and assembly quay space to build the huge turbine floaters required, and conventional dry docks are not wide enough as they were originally designed for ships."

Tugdock's patented marine buoyancy bag technology solves this issue. "It has been designed to help ports play a bigger role in floating offshore wind turbine assembly. It allows floating dry docks to be delivered by road in modular form and assembled at the port to dimensions far wider than most of the world's existing dry docks. The floating platform is then towed to deeper water for launching of the turbines. Our submersible floating dry docks can operate with as little as five metres draft, enabling more efficient wind turbine floater construction."

This technology can greatly increase the capacity of docks such as Pembroke Port, in Wales; a £60 million project is underway to adapt infrastructure there to accommodate the growing number of renewables developers who are seeking to base themselves there due to its proximity to the Celtic Sea, which has some of the best wind resources in Europe.



# FULL SERVICE LONG TERM EARTHMOVING EQUIPMENT RENTAL MARKET SEES PROMISING GROWTH

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## Full Service Long Term Earthmoving Equipment Rental Market Sees Promising Growth in 2023 | Key Players: Caterpillar, Cramo, Jungheinrich

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## Mobile Crane Rental Industry to Witness Increase in Revenues by 2030 | Key Players:Sarens Nv, Mammoet, Maxim Crane Works

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## Mobile Crane Rental Market 2029 Business Insights with Key Trend Analysis | Leading Companies Sarens NV Mammoet Maxim Crane Works Lampson International LLC Action Construction Equipment

 George · May 7, 2023 ·  6

The Global [Mobile Crane Rental Market](#) research report is inclusive of the functioning and the algorithms of the market during the forecast period, that is, 2019-2029. The study report is a result of extensive in-depth research on the overall growth and development of the market. The report provides a detailed examination of the future

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# THE 'GAME CHANGER' HAS BEEN RENAMED TO HONOR LONG-TIME EMPLOYEE STRAFFEN HENDRIK

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## THE 'GAME CHANGER' HAS BEEN RENAMED TO HONOR LONG-TIME EMPLOYEE STRAFFEN HENDRIK

Cranes Industry Updates Logistics by editor - 8 May 2022



A star contributor to Sarens fleet of over 1500 cranes, 3100 axle lines, and a set of Giant Cranes, the LR 12500-1.0 was launched 2-year ago. Called "The Game Changer" by its original designers from the critically acclaimed Liebherr, this crane will offer Sarens clients versatile solutions for the offshore wind sector and well beyond.

The crane is now stationed and working in Rostock, Germany executing an offshore wind project for their trusted client Van Dord.

Sarens Managing Director, Carl Sarens says, "The high lifting capacity of the LR 12500-1.0 is the outstanding feature for us. The new crane will enable us to close the gap between our crawler and ringer cranes." He adds, "We are particularly focusing on jobs in renewables for the new 2500T crane. Handling offshore wind turbines at ports is also becoming an important business segment as the weights of components continue to rise."

Apart from lifting large components for the offshore wind sector, the LR125000 -1.0 is perfectly suited for the petrochemical industry and port handling work. The crane is easy to transport thus reducing the rigging and transportation cost and time when deployed for global projects.

In honour of their long-time employee Hendrik Sanders, the crane will be christened "Straffen Hendrik" which, in an approximative translation of the Flemish term "straffen", signifies in English strength, goodness, fineness, toughness, and robustness.

**Sarens**

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### Hansa Meyer

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# HEAVY TRANSPORT EQUIPMENT RENTAL MARKET IS PROJECTED TO GAIN SIGNIFICANT VALUE



Press release

## Heavy Transport Equipment Rental Market is Projected to Gain Significant Value by 2030: Sarens NV, Mammoet, etc.

05-08-2023 01:15 PM CET | Business, Economy, Finances, Banking & Insurance

Press release from: [WMR](#)



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*Heavy Transport Equipment Rental*



## SAMOCO MOVES ONE OF A KIND CÉPHÉE BARGE THROUGH ANTWERP

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Photo: D. Stevens

Samoco, a part of Sarens, was tasked recently with the transport of a one of a kind barge from Jordenskaai to Droogdokkenarts.

# SARENS IN TANZANIA SIGNS MEMORANDUM OF UNDERSTANDING WITH RAPHAEL LOGISTICS



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## Sarens in Tanzania signs memorandum of understanding with Raphael Logistics

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Raphael Logistics and Sarens in Tanzania have signed an agreement to meet local and international clients' needs for their projects and rentals.



## SARENS SUPPORTS MALAYSIAN METHANOL PROJECT



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# Sarens supports Malaysian methano project

By Sophie Barnes | 10 May 2023



Engineered transport specialist Sarens has transported and installed 48 modules for the Sarawak Petchem methanol project in Bintulu, Malaysia, on behalf of Samsung Engineering.



# SARENS THRIVING IN A CHANGING INDUSTRY



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## SARENS thriving in a changing industry



11th May 2023

Font size:



**S**ARENS, a family-owned business founded in 1955 and headquartered in Belgium, has undergone a significant transformation in recent years that has allowed it to decentralise its way of working, expand geographically, and provide heavy lifting and engineered transport services to a

# MÉXICO ESTÁ 37.5% LEJOS DE SU META DE GENERACIÓN LIMPIA PARA 2030

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## México está 37.5% lejos de su meta de generación limpia para 2030



México, como país, está 37.5 por ciento lejos de la meta de generación limpia para 2030, pues para alcanzar los 40 gigawatts instalados, prometidos por el Canciller Marcelo Ebrard en noviembre de 2022, hace falta la incorporación de 25 gigawatts de nueva capacidad a la matriz energética actual.

Lo anterior significaría multiplicar los 70 parques eólicos ya existentes y así incrementar su producción, que actualmente es de casi 7.5 gigawatts de acuerdo con los datos de la [Asociación Mexicana de Energía Eólica \(AMENEE\)](#).

En ese sentido, la empresa [Sarens](#), recuerda la importancia de mantener estable la inversión en la creación de nuevos parques eólicos para alcanzar las metas sostenibles del país, así como trabajar en el mantenimiento predictivo y correctivo de las instalaciones ya existentes.

Desde la óptica del líder mundial en levantamiento de cargas pesadas, transportes especiales y servicios de alquiler de grúas, y actor de relevancia internacional en la puesta en marcha de nuevos parques eólicos en todo el mundo, México deberá incrementar de una forma muy importante su apuesta por la instalación de nuevos parques de generación de energía eólica y solar en los próximos años para cumplir con sus objetivos medioambientales.

# SARENS ON HAND FOR REFINERY TURNAROUND



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## Sarens on hand for refinery turnaround

By Samuel Barber | 29 March 2023



Sarens has been involved in the turnaround, upgrade and improvement works for major maintenance and repair operations at the Essar Stanlow refinery in the UK.



Image source: Sarens

# SARENS HAS BEEN APPOINTED TO COLLABORATE IN NASA'S ARTEMIS PROGRAM



## Sarens has been appointed to collaborate in NASA's Artemis Program

by pdubey@v1-media.com | Mar 1, 2023

*Sarens has been selected to support the assembly of the Mobile Launcher 2 (ML2), the structure that will be used for the launch of the Space Launch System rocket.*

*The construction of the 7 modules and 4 E-Rooms will be carried out with an LR 1250 crane and an LTR 1100 telescopic crane, while the assembly of the 380-foot-high launch tower will require a massive LR 11350 crane with a maximum lifting capacity of 1350 tons.*

The Artemis Program, led by NASA with the support of international partners such as ESA (European Space Agency), JAXA (Japan Aerospace Exploration Agency) and CSA (Canadian Space Agency), aims to mark a milestone in global space exploration by landing the first woman and the next man on the Moon. This project has the long-term goal of establishing a sustainable presence on the satellite and ultimately laying the groundwork for sending humans to Mars as early as 2033.

In order to carry out this project the construction and assembly of the launch tower is essential, as well as the rest of the infrastructure necessary for the spacecraft's liftoff. That's why Sarens, world leader in heavy lifting, engineered transports and crane rental, has been selected to provide support in the construction of the different modules of the Mobile Launcher 2 (ML2), which will be the structure used to carry out the assembly and launch of the Space Launch System rocket.

The construction of the 7 modules and the 4 E-Rooms required for the assembly of the launch tower will take place at a separate site and it will be carried out by an LR 1250 crane and an LTR 1100 telescopic crane. As soon as the modules are completed, these will have to be transported approximately 6 miles to their final location – where the platform will be erected – for which Sarens will provide the SPMTs and the necessary equipment to carry out the maneuver.

Once at the launch site, final assembly of ML2 will begin, which will provide stability, power, coolant, fuel and communications to the spacecraft. The 380-foot-tall launcher will need to interface with the Vehicle Assembly Building and be constructed floor-to-floor, which will require an LR 11350 crawler crane. This massive crane, which has a maximum lifting capacity of 1,350 tons, will be responsible for lifting the modules and e-rooms for assembly. Once ML2 is assembled, and with the help of the hydraulic jacking system, it will need to be placed on the launch pad located at NASA's Launch Complex 39B at Kennedy Space Center.

*"Sarens has been able to collaborate on some of the most ambitious and complex projects around the globe. Our participation in the construction and assembly of the infrastructure necessary for the success of the Artemis*

# SARENS HAS BEEN APPOINTED TO COLLABORATE IN NASA'S ARTEMIS PROGRAM

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MARCH 15TH, 2023

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Rating: ☆☆☆☆

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# CARGILL'S NEW PLANT PRODUCING UP TO 115,000 TONS OF BIODIESEL

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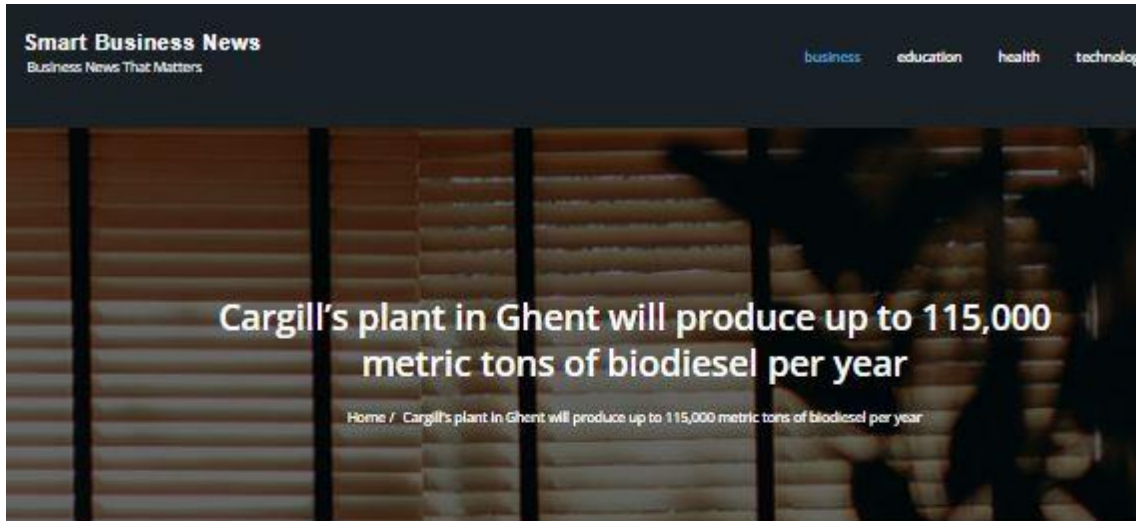
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## CARGILL'S NEW PLANT PRODUCING UP TO 115,000 TONS OF BIODIESEL



# CARGILL'S PLANT IN GHEENT WILL PRODUCE UP TO 115,000 METRIC TONS OF BIODIESEL PER YEAR



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## Cargill's plant in Ghent will produce up to 115,000 metric tons of biodiesel per year

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Cargill's new plant in Ghent will contribute to reducing the carbon footprint of the maritime and road transport sector by producing up to 115,000 metric tons of biodiesel



*These facilities, inaugurated in 2022, are the most important in Europe in the processing of used oils and other wastes for the manufacture of cleaner fuels.*

*Sarens works together with Cargill in the maintenance of these facilities, providing the necessary machinery and technical advice to maximize biodiesel production and reduce downtimes.*

# CARGILL'S PLANT IN GHEENT WILL PRODUCE UP TO 115,000 METRIC TONS OF BIODIESEL PER YEAR



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Business

## Cargill's plant in Ghent will produce up to 115,000 metric tons of biodiesel per year

March 3, 2023

Cargill's new plant in Ghent will contribute to reducing the carbon footprint of the maritime and road transport sector by producing up to 115,000 metric tons of biodiesel.



These facilities, inaugurated in 2022, are the most important in Europe in the processing of used oils and other wastes for the manufacture of cleaner fuels.

Sarens works together with Cargill in the maintenance of these facilities, providing the necessary machinery and technical advice to maximize biodiesel production and reduce downtimes.

Sarens, world leader in heavy lifting, engineered transport and crane rental, has been working with Cargill since June 2021 to facilitate the maintenance and repair of its infrastructure at Ghent. Their new biodiesel processing plant in that location is consolidating, since its start-up in June 2022, the European reference in processing recycled oils and fats, including cooking oils, tallow and edible oil production residues, to produce biodiesel and thus contribute to the reduction of the carbon footprint in the maritime and road transport sectors.

In the case of the Ghent plant, Sarens has recently carried out various tasks to remove one of the motors in which the transesterification process of fats - a chemical reaction used for the conversion of fats contained in oils into usable biodiesel - takes place in order to proceed with the disassembly and overhaul of its engine and drive shaft.

In order to access the motor, located in one of the plant's ATB zones and in a very small space, Sarens used an OTM120 crane, with a maximum load capacity of 120 tons, to lift the concrete panel located on top of the unit. Once this panel is removed, the technical team can proceed to disassemble the motor and attach it to the crane, so that it can be removed to work on the mechanical overhaul more comfortably.

Once these operations were completed, for which it was necessary to circumvent all types of cable trays and piping, the technical team returned the unit to its original location and the concrete panel back on top.

# CARGILL'S PLANT IN GHEENT WILL PRODUCE UP TO 115,000 METRIC TONS OF BIODIESEL PER YEAR



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11 March 2022 11 Minutes

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In order to access the motor, located in one of the plant's ATCI-rooms and in a very small space, Sarens used an L7H1150 crane, with a maximum load capacity of 150 tons, to lift the concrete panel located on top of the unit. Once this panel is removed, the technical team can proceed to disassemble the motor and attach it to the crane, so that it can be removed to work on the mechanical overhaul more comfortably.

# CARGILL'S PLANT IN GHENT WILL PRODUCE UP TO 115,000 METRIC TONS OF BIODIESEL PER YEAR

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March 8, 2022

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In order to access the motor, located in one of the plant's ATD's cones and in a very small space, Sarens used an LTM 1150 crane, with maximum load capacity of 150 tons, to lift the concrete panel located on top of the unit. Once this panel is removed, the technical team is able to proceed to disassemble the motor and attach it to the crane, so that it can be removed to work on the mechanical overhaul more comfortably.

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# CARGILL'S PLANT IN GHEENT WILL PRODUCE UP TO 115,000 METRIC TONS OF BIODIESEL PER YEAR

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## Cargill's plant in Ghent will produce up to 115,000 metric tons of biodiesel per year

March 8, 2022 · Neil Kirby · Business · Comments Off

f t in p e

Cargill's new plant in Ghent will contribute to reducing the carbon footprint of the maritime and road transport sector by producing up to 115,000 metric tons of biodiesel



These facilities, inaugurated in 2022, are the most important in Europe in the processing of used oils and other wastes for the manufacture of cleaner fuels.

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# CARGILL'S PLANT IN GHEENT WILL PRODUCE UP TO 115,000 METRIC TONS OF BIODIESEL PER YEAR

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Business

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By Neil Ashery | March 8, 2022 | 2 min read

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# IL NUOVO STABILIMENTO BELGA DI CARGILL PER LA PRODUZIONE DI BIODIESEL

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## Il nuovo stabilimento belga di Cargill per la produzione di biodiesel

18 Marzo 2023

Sarens, leader mondiale nel sollevamento di carichi pesanti, nel trasporto ingegnerizzato e nel noleggio di gru, collabora con Cargill dal giugno 2021 per facilitare la manutenzione e la riparazione della sua infrastruttura a Ghent, in Belgio. Il loro nuovo impianto di lavorazione del biodiesel in quella località sta consolidando, dal suo avvio nel giugno 2022, il riferimento europeo nella lavorazione di oli e grassi riciclati, inclusi oli da cucina, sego e residui della produzione di olio alimentare, per produrre biodiesel e contribuire così alla riduzione dell'impronta di carbonio nei settori del trasporto marittimo e stradale.

Nel caso dell'impianto di Ghent, Sarens ha recentemente svolto diverse attività per rimuovere uno dei motori in cui avviene il processo di transesterificazione dei grassi – una reazione chimica utilizzata per la conversione dei grassi contenuti negli oli in biodiesel utilizzabile – al fine di procedere con lo smontaggio e la revisione del suo motore e dell'albero di trasmissione.

Per accedere al motore, situato in una delle zone ATEX dell'impianto e in uno spazio molto ridotto, Sarens ha utilizzato una gru LTM1150, con una capacità di carico massima di 150 t, per sollevare il pannello in cemento posto sopra l'unità. Una volta rimosso questo pannello, il team tecnico può procedere allo smontaggio del motore e fissarlo alla gru, in modo che possa essere rimosso per lavorare più comodamente alla revisione meccanica.

Terminate queste operazioni, per le quali è stato necessario aggirare tutti i tipi di passerelle e tubazioni, il team tecnico ha riportato l'unità nella sua posizione originaria e il pannello di cemento sopra.

Sarens ha una vasta esperienza internazionale nel settore della lavorazione degli idrocarburi. Recentemente ha collaborato alla costruzione del nuovo impianto di lavorazione dei derivati del petrolio di Corpus Christi Polymers in Texas, Stati Uniti, al rinnovamento del reattore a ciclone DCC dell'IRPC in Thailandia o all'aggiornamento della raffineria di PT Pertamina a Balikpapan, in Indonesia, tra gli altri.

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# CARGILL GEARING UP TO LAUNCH BIODIESEL PLANT IN BELGIUM

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## Cargill Gearing Up to Launch Biodiesel Plant in Belgium

 09-Mar-2023 3:44 PM [Journalist: Harold Finch](#)

Belgium: Sarens, an industry leader in heavy lifting and engineering transport, teamed up with Cargill in June 2021 to help maintain and repair its infrastructure at Ghent, Belgium. The new Biodiesel processing plant startup in June 2022 has since become a European reference for recycling of cooking oils, Tallow and edible oil production waste into Biodiesel - helping to reduce the carbon footprint of maritime and road transport.

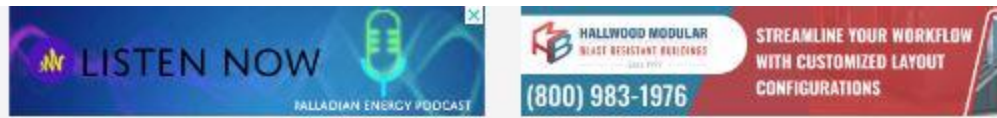
Sarens recently completed several activities to remove an engine from the Ghent plant that is utilized in the transesterification process of fats - a reaction used to convert the oils found in fats into Biodiesel. This removal was necessary to proceed with the overhaul and disassembly of the engine and drive shaft.

# QUARTER 1

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## CARGILL'S NEW BELGIAN PLANT TO PRODUCE BIODIESEL



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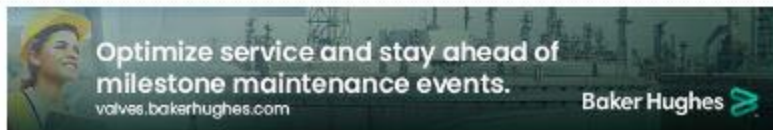
Home / Clean fuels / 09 Mar 23 / Cargill's new Belgian plant to produce biodiesel

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Published by Bella Weetch, Editorial Assistant

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Hydrocarbon Engineering Thursday, 09 March 2023 09:00



Sarens, world leader in heavy lifting, engineered transport and crane rental, has been working with Cargill since June 2021 to facilitate the maintenance and repair of its infrastructure at Ghent, Belgium. Their new biodiesel processing plant in that location is consolidating, since its start-up in June 2022, the European reference in processing recycled oils and fats, including cooking oils, tallow and edible oil production residues, to produce biodiesel and thus contribute to the reduction of the carbon footprint in the maritime and road transport sectors.

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# BROADWAY SUBWAY PROJECT WILL REDUCE TRANSIT TIME IN BRITISH COLUMBIA'S SECOND LARGEST BUSINESS HUB TO ONLY 11 MINUTES AND REDUCE GREENHOUSE GAS EMISSIONS

Stephen Rees's blog

Thoughts about the relationships between transport and the urban area it serves

Broadway Subway Project will reduce transit time in British Columbia's second largest business hub to only 11 minutes and reduce greenhouse gas emissions

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# TECHNICAL TEAM ASSEMBLES TBMS FOR CONSTRUCTION OF BROADWAY SUBWAY PROJECT



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Construction work on the new Broadway Subway Project is already underway on the tunnelling phase prior to completing the six underground stations along its 5.7 km route. Once inaugurated, this line, which serves as an extension of the Millennium Line, will reduce the travel time between VCC-Clark and Arbutus to just 11 minutes, saving the average transit commuter almost 30 minutes a day.

This new subway line will consist of a subway section of approximately five-kilometres, while the remaining 700 metres will be built above ground to connect to VCC-Clark Station. Sarens, a heavy lifting, engineered transport and crane rental, has participated at the request of Broadway Subway Project Corporation, an Acciona-Gheila joint venture, in the assembly of the tunnel boring machines (TBM) used for the construction of the subway section.

For this particular job, Sarens used one of its Liebherr LR 1400-2 cranes in SQR configuration. To facilitate the transfer of the TBM parts into the tunnel portal, the team used a 70 m main boom with a 135-ton counterweight and a 170-ton Sizeriff counterweight. In addition, support cranes such as the LTM 132G or the Terex Explorer 580G were used.

As the operation is within the City of Vancouver, the crane operators had to deal with a heavily congested site and tight lifting schedules. In addition, due to the limited visibility available for the installation maneuver of the various parts of the TBM, the technical team had to work under close coordination established by radio.

Broadway Subway Project is a project driven by the province of British Columbia, which will be operated by TransLink once it is commissioned in 2031. It will cover a total distance of 5.7 km between VCC-Clark and Arbutus.

See also [Joint investment for renewable energy infrastructure in Quebec](#)

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# SARENS APPOINTED TO SUPPORT QATAR'S INCREASED LNG PRODUCTION



## Sarens appointed to support Qatar's increased LNG production

Published by Andrea Gery, Deputy Editor

LNG Industry | Wednesday, 23 March 2022 09:48

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Sarens, a world leader in heavy lifting, engineered transport, and crane rental services, is working alongside Qatar Fabrication Company WLL (QFAS) to build several offshore jackets for Qatar Gas. This new partnership comes at a strategic time, with Qatar's ambition to localize its energy sector supply chain and increase its LNG production from 77 million tpy to 140 million tpy in the coming years.

QFAS is a joint venture between McDermott, the country's leading technology provider, engineering, and construction solutions through its fabrication yard located in Al-Jahra, and Nakilat, Qatar's leading shipping and maritime company. Sarens has been able to establish a long-term relationship with QFAS from 2007, just after its formation. This has meant that QFAS has based its engineering studies and lifting calculations on Sarens cranes, making them the main option for carrying out this project.

Sarens Nassi Middle East's (SME) collaboration on the project will provide end-to-end engineering solutions that will help QFAS joint venture to carry out the construction, maintenance, repair, and refurbishment of onshore and offshore structures, as well as all types of vessels. This way, Sarens has been able to deliver all the equipment according to QFAS's schedule, without affecting its work, and has been able to deploy its experienced heavy lift operators to carry out the assignment.

Lifting 300 – 400 t towers to a height of 50 – 60 m was a major challenge for the project engineers. Thanks to the equipment deployed, which consisted of different models of crawler cranes such as the LR1750, with a maximum load capacity of 750 t, or other smaller cranes such as the CC300, LR1300, and LR1350, these tasks could be carried out without major setbacks. In addition, to complete the equipment necessary to undertake the operations, the Sarens Projects division was able to support SME by supplying a CC3800 crane model, the largest on the project, with a maximum capacity of 1350 t, a boom length of 211.6 ft and a maximum jib length of 354.3 ft.

Philippe Verduyn, Project Managing Director ME and ARAC, said: "The QFAS team appreciated the way Sarens division carried out the lifting operation in a professional and safe manner. Thanks to our extensive experience in the construction industry and the proved expertise of our engineers, we have placed the equipment and infrastructure necessary to successfully complete a project of this scale, overcoming all the challenges we have faced."

# SARENS HA TRABAJADO JUNTO CON PHB EN LA CONSTRUCCIÓN DEL NUEVO TERRENO DE JUEGO RETRACTIL DEL REAL MADRID

Transporte

## Sarens ha trabajado junto con PHB en la construcción del nuevo terreno de juego retráctil (hipogeo) del Real Madrid

*El nuevo terreno de juego retráctil, compuesto por seis bandejas de césped y un gran ascensor hidráulico, permitirá la celebración de eventos, conciertos y conferencias de todo tipo durante todo el año, sin que ello provoque ningún daño en el césped ni obstaculice la actividad deportiva del Real Madrid.*

*Sarens se ha responsabilizado del transporte interno de dos vigas retráctiles para el hipogeo del estadio, y propuso un nuevo método para gatear y deslizar la losa superior del hipogeo, con un peso aproximado de 650 toneladas, y la bandeja número 6 de césped.*

Sarens, líder mundial en izado de cargas pesadas, transportes especiales y alquiler de grúas, ha trabajado junto con PHB Wessertüte en el proyecto de remodelación del estadio Santiago Bernabéu, aportando sus más de 60 años de experiencia internacional en proyectos de gran envergadura. Las obras de ampliación y mejora del estadio del Real Madrid continúan avanzando a buen ritmo con el objetivo de sumar 4.000 nuevas plazas a su aforo y una nueva cubierta retráctil antes de su reinauguración, prevista para finales de este año.

La incorporación más relevante para el estadio ubicado en el Paseo de la Castellana de Madrid será el nuevo hipogeo, un gran recinto de hormigón ubicado bajo un lateral del estadio que permitirá almacenar el nuevo terreno de juego en seis bandejas, protegerlo de las inclemencias climatológicas cuando sea necesario, y celebrar en el estadio todo tipo de eventos, conciertos y conferencias durante todo el año sin interrumpir

la actividad deportiva del Real Madrid en el estado, ni producir daños en el césped que obliguen a una renovación continuada.

En este proyecto, Sarens se responsabilizó del transporte interno de dos vigas retráctiles para el hipogeo del estadio, en el que propuso un nuevo método para izar y deslizar la losa superior del hipogeo de 650 toneladas y la bandeja número 6 de césped. Para esta tarea, Sarens utilizó un conjunto de 14 gatos hidráulicos de trega para elevar la losa de acero superior del hipogeo, con unas medidas de 11,5x13x1,5 metros, y posteriormente la sexta bandeja de césped, con peso de 350 toneladas. Y todas estas maniobras sin interrumpir ni afectar los trabajos que se realizaban en la construcción del hipogeo. Una vez levantadas ambas cargas a aproximadamente 1,5 metros, se procedió al movimiento de la carga durante 15 metros por medio de ocho líneas de deslizamiento y sus correspondientes gatos de empuje horizontales.



Copyright de la imagen: Real Madrid

Uno de los principales retos a los que se enfrentó el equipo de ingeniería de Sarens llegó en el momento de intentar transportar dos vigas retráctiles de acero de 15x2,25 metros desde el exterior del estadio hasta la zona de obras. Un proceso que, hasta ese momento, había resultado infructuoso debido a la altura de la carga, que imposibilitaba su entrada por la puerta habilitada para ello en el estadio. Para superar este reto, Sarens decidió utilizar uno de sus SPMT (Transporte Modular Autopropulsado) y así facilitar la maniobra superando pendientes de hasta el 17,6%.

El nuevo hipogeo del estadio Santiago Bernabéu supone un importante avance tecnológico al dividir el terreno de juego en seis bandejas longitudinales de aproximadamente 107x12 metros, que incluyen todos los sistemas necesarios para su mantenimiento, desde riego, calefacción o drenaje. Para facilitar el uso del estadio para otros fines sin dañar el césped, este sistema permite trasladar las seis bandejas a un gran invernadero bajo el estadio por medio de 12 carrros automáticos y un sistema de elevación hidráulico, que posiciona las bandejas a diferentes alturas hasta una profundidad máxima de 24 metros.

Según José María Martínez, Key Account Manager de Sarens, "el nuevo estadio Santiago Bernabéu será una vez finalizado, todo un referente mundial en lo que a tecnología y a polivalencia se refiere. Una vez más, Sarens ha conseguido ofrecer a sus clientes la solución que

Construcción

necesitaban para poder responder a un trabajo de máxima exigencia y en unos plazos muy acortados. Algo que, sin duda, nos enorgullece".

Los trabajos en el estadio Santiago Bernabéu no son los primeros que lleva a cabo Sarens en estadios de fútbol de todo el mundo. Anteriormente, también en España, trabajó en las obras de ampliación del estadio del Real Betis en San Sebastián, izando cargas de hasta 410 toneladas. También participó en la instalación de la nueva cubierta del estadio Saint-Symphorien del FC Metz, en la construcción del Stockholm Arena (Suecia) o el estadio de Monterrey (México), por citar alguno de los casos más relevantes.

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# WITH A CAPACITY OF 250.000T/M, THE SGC-250 CONTINUES TO BE THE LARGEST LAND-BASED CRANE IN THE WORLD

## With a capacity of 250.000T/m, the SGC-250 continues to be the largest land-based crane in the world

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In the world of heavy lifting and engineered transport, Sarens has established itself as a global leader. The company's success can be attributed to a combination of cutting-edge design tools, a massive inventory of cranes, transporters, and specialist rigging equipment, and a team of highly qualified professionals.

One example of Sarens' expertise can be seen in their recent work on a bleacher project. In a new episode of the show "Giant Machines," viewers can see Sarens in action, performing a load-in, loading, and assembly of jackets for the bleachers. This type of work requires a significant amount of skill and expertise, as well as specialized equipment to lift and move heavy loads safely and efficiently.

In addition to their work on the bleacher project, Sarens is also making a statement with new UK-made caps. This move showcases the company's commitment to supporting local businesses and investing in quality products. By choosing to produce their caps in the UK, Sarens is helping to create jobs and support the economy, while also providing their employees with high-quality, stylish headwear.

Overall, Sarens' success can be attributed to their focus on innovation, expertise, and quality. By combining the latest design tools with a massive inventory of equipment and a team of highly skilled professionals, the company has established itself as a global leader in the heavy lifting and engineered transport industry. Whether they're working on a bleacher project or producing stylish new caps, Sarens is



# SARENS INCREASE POTENTIAL OF THEIR TRAINING CENTRE AT WOLVERTEM, BELGIUM

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15 Mar 2023

## Sarens Increase Potential of Their Training Centre at Wolvertem, Belgium

Topics: Belgium, SaSeCC/VCA, ECOL certificate, EN 13000, GSTA, European Crane Operator License, Liebherr LTM 1030-2.1, Sarens, Wolvertem

Sarens training centre has achieved the next big milestone at the end of 2022. After achieving their European Crane Operator License (ECOL) certificate to give ECOL training to their employees in 2021, they revamped their centre in 2022 increasing the capacity for both classroom and practical crane training operations and introducing the Liebherr LTM 1030-2.1 according to current standard EN 13000 and full option for live training sessions.



# SARENS INSTALL UK MOTORWAY BRIDGE – TIME LAPSE VIDEO

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21 Mar 2023

## Sarens Install UK Motorway Bridge – Time Lapse Video

Topics: A533, Arney plc, ArneySRM, CS450 jacking systems, K245T SPMTs, M56 motorway, National Highways, Runcorn, Sir Robert McAlpine Ltd.

Last October, Sarens planned and executed a well-orchestrated bridge replacement for National Highways, on behalf of customer ArneySRM, a joint venture between construction companies Arney plc and Sir Robert McAlpine Ltd. When the bridge located at A533 and M56 in Runcorn, Cheshire, needed to be replaced, Sarens capably stepped in to jack up and install the new 1,200t, 67m long bridge via SPMTs.

To do it, Sarens deployed six CS450 jacking systems, 56 axle lines of K245T SPMTs, and a BS610 bracing system. The equipment was delivered via road, with the SPMTs and some of the steelwork arriving in 26 trucks from the UK, while the jacking systems and remaining steelwork were sent via 14 trucks from Belgium and France. With the equipment on the job site 12 days before the move was scheduled, Sarens got to work making sure everything was ready.

The crew knew they would have to deal with a 6% slope along the route from the compound, where the bridge was assembled, to its final location. This meant navigating a 6% slope up to the A533 road and then a 6% slope onto the M56 motorway. The client provided a temporary ramp which was installed the night before the transport operation and would be cleared away the night after its completion.

# SARENS DEMAG AC500 MOBILE CRANE GIVES MILL PROJECT A BIG LIFT IN ALMALYK, UZBEKISTAN

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27 March 2024  
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The Sarens Demag AC500 all-terrain crane started the year with a successful project in Almalyk, Uzbekistan, where it had been used by customer AGMK over the course of two weeks in January.

There, the powerful 500T-capacity crane dismantled an old mill and installed a new one weighing 67.2T and measuring 15.7 metres tall. The AC500 was selected for its load capacity as well as its dimensions, which made it suitable for indoor work.

To get the crane to the client's work site, Sarens delivered it via 10 trailers. It took 10 days for complete mobilisation, including customs clearance. Once at its destination, setting up the crane was a fast process that took only one day, despite on-site congestion and a challenging rigging plan.

"Sarens teamwork helped with the safe execution of the job, and made our client happy," remarked Sarens project manager Singh Manjith. Sarens congratulates everyone involved in delivering this crane to the client and ensuring a successful project!

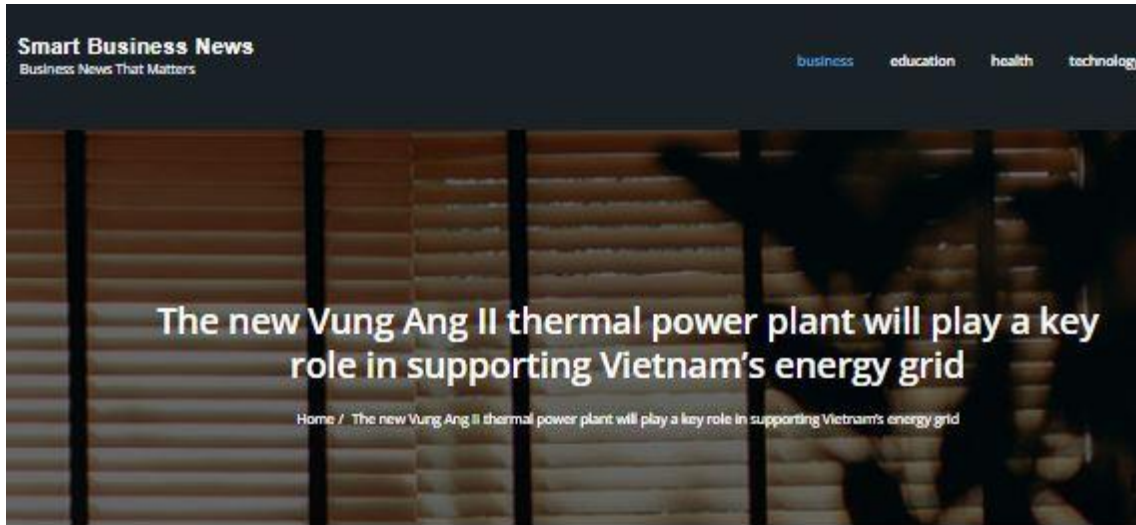
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# THE NEW VUNG ANG II THERMAL POWER PLANT WILL PLAY A KEY ROLE IN SUPPORTING VIETNAM'S ENERGY GRID



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## The new Vung Ang II thermal power plant will play a key role in supporting Vietnam's energy grid

Views: 5009

This new plant, the largest in central Vietnam, will have two ultra-supercritical coal-fired generators with a total output of 1330MW and will serve as an energy source for the nearby Formosa Steel Plant in Ha Tinh province.

Lilama, the main contractor of the project, has requested Sarens' collaboration for the lifting and installation of the two boilers of the plant, with a maximum weight of 77 tons each, using cranes such as the Liebherr LR1750.

The new Vung Ang II thermal power plant, located in Vietnam's Ha Tinh province, will be of vital importance in supplying power to a country with growing demand, especially in its industrial sector, when it comes on stream in 2024. This plant, which is part of the Vung Ang Thermal Power Centre, is the second complex in the area, and is located next to the Vung Ang I facility, which is already in operation, and close to Formosa Steel Plant.

This new facility, the largest in both size and power generation capacity in central Vietnam, will be equipped with two ultra-supercritical coal-fired generators, considered the most efficient and environmentally friendly in their class, with a total output of 1330MW. Both turbines will be fueled by imported anthracite, hard coal.

For its construction, Lilama, the main contractor, has decided to call on the expertise of Sarens, the world leader in heavy lifting, engineered transport and crane rental, for the transport, lifting and installation of the two boilers of the plant with the heaviest loads (main girders, for example) up to 77 tons at 80m height and in 30m working radius.

Sarens' engineering team will collaborate in the strategic consultancy advice and planning of the whole infrastructure, as well as the installation of the cranes from its operational fleet.

# THE NEW VUNG ANG II THERMAL POWER PLANT WILL PLAY A KEY ROLE IN SUPPORTING VIETNAM'S ENERGY GRID

MARCH 27, 2023

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# THE NEW VUNG ANG II THERMAL POWER PLANT WILL PLAY A KEY ROLE IN SUPPORTING VIETNAM'S ENERGY GRID




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## The new Vung Ang II thermal power plant will play a key role in supporting Vietnam's energy grid

January 9, 2022



This new plant, the largest in central Vietnam, will have two ultra-supercritical coal-fired generators with a total output of 1,330MW and will serve as an energy source for the nearby Formosa Steel Plant in Ha Tinh province.

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**The new Vung Ang II thermal power plant will play a key role in supporting Vietnam's energy grid**


January 18, 2022 Business

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The new plant, the largest in central Vietnam, will have two ultra-supercritical coal-fired g with a total output of 1330MW and will serve as an energy source for the nearby Formosa S in Ha Tinh province.

Libera, the main contractor of the project, has engaged Sarens' collaboration for the installation of the two boilers of the plant, with a maximum weight of 77 tons each, using cranes as the Liebherr CR1750.

The new Vung Ang II thermal power plant, located in Vuoreuoc Ha Tinh province, will be important in supplying power to a country with growing demand, especially in its industry when it comes on stream in 2024. This plant, which is part of the Vung Ang Thermal Power the closed complex in the area, and is located next to the Vung Ang I facility, which is in operation and close to Formosa Steel Plant.

This new facility, the largest in both size and power-generation capacity in central Vietnam equipped with two ultra-supercritical coal-fired generators, considered the most efficient environmentally friendly in their class, with a total output of 1330MW. Both turbines will be imported and refueled with hard coal.

For its construction, Libera, the main contractor, had decided to call on the expertise of S world leader in heavy lifting, engineered transport and crane rental, for the transport, installation of the two boilers of the plant with the heaviest loads (iron grids), for example 70 tons at 60m height and a 30m working radius.

Sarens engineering team will collaborate in the strategic consultancy advice and plans work beforehand, as well as facilitating different cranes from its international fleet and

# THE NEW VUNG ANG II THERMAL POWER PLANT WILL PLAY A KEY ROLE IN SUPPORTING VIETNAM'S ENERGY GRID

The screenshot shows a news article on the 'Media Bulletins' website. The article title is 'The new Vung Ang II thermal power plant will play a key role in supporting Vietnam's energy grid', dated January 7, 2022. The main image is a night-time photograph of a large-scale construction site for a power plant, featuring several tall cranes and illuminated steel structures. Below the article, there are several advertisements: a Skyscanner search bar, a Skyscanner flight search result for 'New Delhi to Pune' starting at Rs. 440, an IPL 2022 World Cup Official Betting Site advertisement, and a Skyscanner flight search result for 'Mumbai to Bengaluru' starting at Rs. 618. The website's navigation menu includes links for Home, Business Profile, News, Health, Education, Technology, About Media Bulletins, and Contact.



# THE NEW VUNG ANG II THERMAL POWER PLANT WILL PLAY A KEY ROLE IN SUPPORTING VIETNAM'S ENERGY GRID

The screenshot shows a news article header on a dark background. At the top left, it says "Business News Week" and "Only Business News". To the right, there are navigation links for "business", "Education", "technology", "health", and "Contact". The main headline is "The New Vung Ang II Thermal Power Plant Will Play A Key Role In Supporting Vietnam's Energy Grid" in white text. Below the headline, it says "January 9, 2023" and "By Neel Achary". A breadcrumb trail below the headline reads "Home > business > The new Vung Ang II thermal power plant will play a key role in supporting Vietnam's energy grid". The main image area shows a night-time construction site with cranes and illuminated structures.

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## The new Vung Ang II thermal power plant will play a key role in supporting Vietnam's energy grid

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This new plant, the largest in central Vietnam, will have two ultra-supercritical coal-fired generators with a total output of 1330MW and will serve as an energy source for the nearby Lamtha Steel Plant in Ha

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### Vung Ang II thermal power plant will play a key role in supporting Vietnam's energy grid

**SOURCE: PRESS RELEASE, 5 JANUARY 2023**

6 January 2023 Editor Contracts, News, Technology Comments Off



photo: Sarens

The new Vung Ang II thermal power plant, the largest in central Vietnam, will have two ultra-supercritical coal-fired generators with a total output of 1,330 MW and will serve as an energy source for the nearby Formosa Steel Plant in Ha Tinh province.

Lilama, the main constructor of the project, has requested Sarens' collaboration for the lifting and

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## Sarens has been appointed to collaborate in NASA's Artemis Program

Rating: ☆☆☆☆☆

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Contacto

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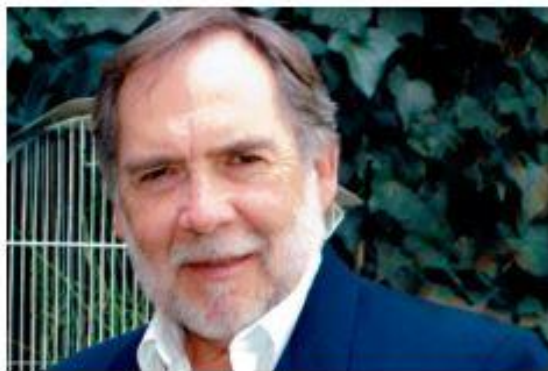




# TODO LISTO PARA QUE ENTRE EN OPERACIÓN LA CONTROVERTIDA REFINERÍA DOS BOCAS

## Todo listo para que entre en operación la controvertida refinería Dos Bocas

Por **Redacción** · 7 febrero 2021 en **Página Principal**



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Por **EDGAR GONZÁLEZ MARTÍNEZ**

La inauguración está prevista para el 1 de julio, con la producción de 170 mil barriles diarios de petróleo crudo, para llegar a la cifra de 340 mil barriles coincidiendo con el aniversario de la Independencia de México el 15 de septiembre de este año. Para la empresa Sarens, líder mundial en levantamiento de cargas pesadas, instalaciones especiales y Alquiler de grúas, que ha tenido una participación muy activa en este proyecto, Dos Bocas podrá producir muy pronto aproximadamente el 20% del combustible consumido en todo el país. Según el Plan de Negocios de Pemex (compañía encargada de su explotación) para los años 2025-2027, la meta de explotación de estas instalaciones, en una primera fase, será de 60 mil barriles diarios de gasolina ya procesada, por 60 mil barriles diarios de diesel, que ascenderán a los 200 mil barriles diarios hasta 2024.

Esta refinería, que se inaugura oficialmente el pasado 1 de julio, ya se encuentra en fase de puesta a punto, así en diciembre se introdujo por primera vez gas en el gasoducto que forma parte del proyecto, que cubre la distancia entre Chetumal (Chiapas) y la refinería. A finales de año, ya se habían finalizado los trabajos de instalación de 54 de las 58 subestaciones que componen el complejo.

Con su participación en este proyecto, o en otros de similar importancia para la sociedad mexicana como el Tren Maya o el Tercer Interoceánico de Pasajeros Toluca-Ciudad de México, Sarens se confirma como un socio de referencia para el sector de la construcción del país, aportando su experiencia y sus servicios a algunas de las compañías más importantes del sector.

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El sector de refinerías no se parará. La construcción de refinerías se ha programado. El Odebrecht de México se ha comprometido y a través de ellos se va a realizar el estudio de



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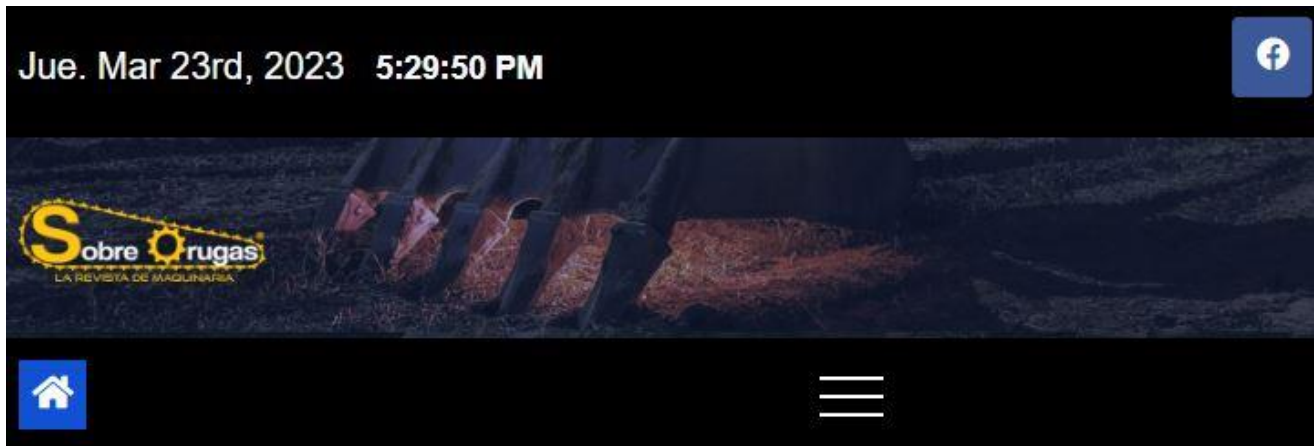


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# SARENS TRABAJA EN LA REFINERÍA DOS BOCAS



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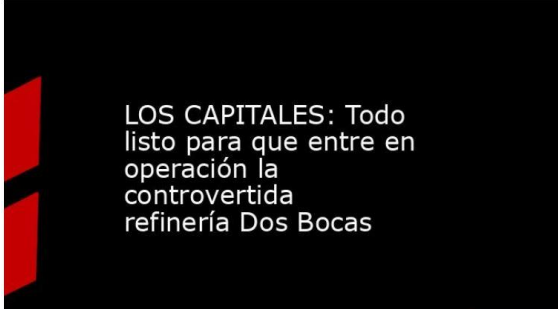
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Por EDGAR GONZALEZ MARTINEZ

La inauguración está prevista para el 1 de julio, con la producción de 170 mil barriles diarios de petróleo crudo, para llegar a 340 mil barriles coincidiendo con el aniversario de la Independencia de México el 15 de septiembre de este año. Para la empresa líder mundial en levantamiento de cargas pesadas, transportes especiales y alquiler de grúas, que ha tenido una participación en este proyecto, Dos Bocas podría producir muy pronto aproximadamente el 20% del combustible consumido en todo el país. El Plan de Negocios de Pemex (compañía encargada de su explotación) para los años 2023-2027, la meta de explotación de estas instalaciones, en una primera fase, será de 86 mil barriles diarios de gasolina ya procesada, por 65 mil barriles diarios de diesel que ascenderán a los 280 mil barriles diarios hasta 2024.

Esta refinería, que se inauguró oficialmente el pasado 1 de julio, ya se encuentra en fase de pruebas. Así, en diciembre se inauguró por primera vez gas en el gasoducto que forma parte del proyecto, que cubre la distancia entre Cactus (Chiapas) y la refinería. A lo largo del año, ya se habían finalizado los trabajos de instalación de 34 de las 39 subestaciones que componen el complejo.

Con su participación en este proyecto, o en otros de similar importancia para la sociedad mexicana como el Tren Maya o el Tren Interoceánico de Pasajeros Toluca-Valle de México, Sarens se confirma como un socio de referencia para el sector de la construcción.

## LOS CAPITALES: TODO LISTO PARA QUE ENTRE EN OPERACIÓN LA CONTROVERTIDA REFINERÍA DOS BOCAS

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Por EDGAR GONZALEZ MARTINEZ

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# THE OIL SANDS PROCESS WILL CONTRIBUTE MORE THAN CAD 200 BILLION A YEAR TO CANADA'S GDP OVER THE NEXT 20 YEARS

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## The oil sands process will contribute more than CAD 200 billion a year to Canada's GDP over the next 20 years

SOURCE: PRESS RELEASE, 2 FEBRUARY 2023

3 February 2023 Editor Contracts, Oil/Gas, Projects, Technology Comments Off



Sarens understands the importance of maintaining a stable investment in technological innovation in the construction of new oil sands processing infrastructures and in the gradual renovation of existing ones (photo: Sarens)

The extraction and processing of oil sands continues to be one of Canada's main economic drivers. According to the Business Council, the industry is expected to contribute with more than CAD 200 billion a year to the country's GDP, providing up to 700,000 direct and indirect jobs.

Sarens, world leader in heavy lifting, engineered transport and crane rental, has consolidated itself over the last few years as a major player in the sector, being directly involved in the construction and upgrading of several oil sand processing plants in Canada. It therefore calls on public institutions and private companies to maintain stable investment in the development of new processing infrastructures for these materials, and in the renovation of existing ones as a way of guaranteeing the production of

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## The oil sands process will contribute more than \$200 billion a year to Canada's GDP over the next 20 years

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This sector is also a source of job creation, with more than 700,000 jobs, and a return of approximately \$17 billion per year in taxes, royalties, and fees to governments, which has a direct impact on their communities.

Sarens recalls the importance of maintaining a stable investment in technological innovation in the construction of new oil sand processing infrastructures and in the gradual renovation of existing ones.

The extraction and processing of oil sands continue to be one of Canada's main economic drivers. According to the Business Council, the industry is expected to contribute with more than \$200 billion a year to the country's GDP, providing up to 700,000 direct and indirect jobs.

Sarens, the world leader in heavy lifting, engineered transport, and crane rental, has consolidated itself over the last few years as a major player in the sector, being directly involved in the construction and upgrading of several oil sand processing plants in Canada. It, therefore, calls on public institutions and private companies to maintain stable investment in the development of new processing infrastructures for these materials, and in the renovation of existing ones as a way of guaranteeing the production of processed products, which at the end of 2022 amounted to more than 3.7 million barrels per day.

The impact of oil sand extraction is also felt in the communities in which it takes place. It is estimated that the payment of taxes, royalties, and fees for the various projects currently underway amounts to \$17 billion a year, which translates into investments in education

# THE OIL SANDS PROCESS WILL CONTRIBUTE MORE THAN \$200 BILLION A YEAR TO CANADA'S GDP OVER THE NEXT 20 YEARS

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One of the most common processes for the renovation of oil sand processing plants involves the installation of new furnaces, process modules, and bridge modules, jobs in which Sarens is a specialist. By upgrading these elements, the process of bitumen obtained from oil sands can be optimized. Once processed, the bitumen is converted into synthetic crude oil (SCO) which, once processed in a refinery, is derived into liquefied petroleum gas (LPG) or gasoline, among others.

# THE OIL SANDS PROCESS WILL CONTRIBUTE MORE THAN \$200 BILLION A YEAR TO CANADA'S GDP OVER THE NEXT 20 YEARS

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## The Oil Sands Process Will Contribute More Than \$200 Billion A Year To Canada's GDP Over The Next 20 Years

February 3, 2023   Rabindra

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## The oil sands process will contribute more than \$200 billion a year to Canada's GDP over the next 20 years

February 3, 2023 Rabindra in Business 0 Comments

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# THE NEW ZAWTIKA DEVELOPMENT PROJECT IN MYANMAR WILL PRODUCE MORE THAN 400 MMCFD OF NATURAL GAS DAILY

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## The new Zawtika Development Project in Myanmar will produce more than 400 Mmcfd of natural gas daily

SOURCE: PRESS RELEASE, 26 JANUARY 2023

🕒 27 January 2023 🗑 Editor 📄 Contracts, Oil/Gas, Projects, Technology 🗨 Comments Off



Sarens has been in charge of loading two of the project's jackets out, the ZWP12 and ZWP15, weighing approximately 5,000 tons each, on behalf of the Vietsovpetro joint venture (photo: Sarens)

The new Zawtika Development Project, located in the Gulf of Moattama in Myanmar, has entered to its fourth phase of construction (referred as 1D) prior to final commissioning in 2025. At its peak, this development is expected to be capable of producing approximately 400 million cubic feet of natural gas per day, equivalent to 4,500 full Olympic-size swimming pools.

This 1D phase, which began its installation late in 2022, consists of eight new remote extraction wells (from ZWP12 to ZWP19), plus their associated pipelines with two pipeline end manifolds. Sarens, world leader in heavy lifting, engineered transport and crane rental, was asked by the Vietsovpetro joint venture to assist in the loading of the ZWP12 and ZP15 jackets, of approximately 5,000 tons each, at the port of Vung Tau in Vietnam.

# LOS SECRETOS SUBTERRÁNEOS DEL NUEVO SANTIAGO BERNABÉU

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## Los secretos subterráneos del nuevo Santiago Bernabéu

Por Elena García - 19 febrero, 2022 09:30



Apenas restan cinco meses para la inauguración del nuevo estadio Santiago Bernabéu y **cada vez son más los secretos que se van desvelando sobre las obras de ejecución, que próximamente cumplirán 4 años.** Uno de ellos es el que se refiere al 'tepedoo', las galerías subterráneas del renovado césped retráctil del Bernabéu instalado durante los últimos meses del pasado año 2021.

### Los más vistos

- La Universidad de Salamanca inaugura el nuevo edificio de la Facultad de Filosofía y Letras
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Aquí, el encargado de tales trabajos ha sido la multinacional belga Sarens, que ha conseguido un nuevo terreno de juego a base de «seis bandejas de césped y un gran ascensor hidráulico». Gracias a esto, el Santiago Bernabéu podrá acoger todo tipo de eventos, conciertos o conferencias durante todo el año sin riesgo de dañar o estropear el césped.

El propio Sarens ha sido el encargado de trasladar hasta el templo blanco **toda la maquinaria necesaria, así como dos vigas retráctiles para el subeado.** La idea de los europeos al proyecto ha sido la opción de diseñar «la losa superior del tipo pedo, con un peso aproximado de 650 toneladas», y la bandeja número 6 de césped», según informan desde la propia compañía internacional.

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Vista interior de las Obras del estadio Santiago Bernabéu. En el centro de la imagen, construcción del sistema que ocultará el césped.

## La logística del nuevo Santiago Bernabéu

17/02/2023 • Mantenimiento • C de Comunicación

*El rediseño del estadio, ya cerca de su remodelación completa, añade una serie de funcionalidades que exigen una estricta mantención de cargas y que ha supuesto un reto para su transporte y manipulación.*

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Las obras del **estadio Santiago Bernabéu**, en pleno corazón de Madrid, avanzan hacia su culminación, que sumará 4.000 nuevos plazas de aparcamiento.

# SARENS HA TRABAJADO JUNTO CON PHB EN LA CONSTRUCCIÓN DEL NUEVO TERRENO DE JUEGO RETRÁCTIL DEL REAL MADRID



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## Sarens ha trabajado junto con PHB en la construcción del nuevo terreno de juego retráctil del Real Madrid

16/02/2023



Sarens, referente en el ámbito de cargas pesadas, transportes especiales y alquiler de grúas, ha trabajado junto con PHB Waterhulle en el proyecto de remodelación del estadio Santiago Bernabéu, aportando sus más de 60 años de experiencia internacional en proyectos de gran envergadura. Las obras de ampliación y mejora del estadio del Real Madrid continúan avanzando a buen ritmo con el objetivo de sumar 4.000 nuevos plazas a su aforo y una nueva cubierta retráctil antes de su inauguración, prevista para finales de este año.



Trabajos de remodelación del estadio Santiago Bernabéu (Copyright de la imagen: Real Madrid).

La incorporación más relevante para el estadio ubicado en el Paseo de la Castellana de Madrid será el nuevo felpeteo, un gran recinto de hormigón ubicado bajo un lateral del estadio que permitirá almacenar el nuevo terreno de juego en seis bandejas, protegerlo de las incidencias climatológicas cuando sea necesario, y celebrar en el estadio todo tipo de eventos, conciertos y conferencias durante todo el año sin interrumpir la actividad deportiva del Real Madrid en el estadio, ni producir daños en el césped que obliguen a una renovación continuada.

En este proyecto, Sarens se responsabilizó del transporte interno de dos vigas retráctiles para el felpeteo del estadio, en el que propuso un nuevo método para izar y deslizar la losa superior del felpeteo de 650 toneladas y la bandeja número 6 de césped. Para esta tarea, Sarens utilizó un conjunto de 16 grúas hidráulicas de trípode para elevar la losa de acero superior del felpeteo, con unas medidas de 115x130,5 metros, y posteriormente la sexta bandeja de césped, con peso de 350 toneladas. Y todos estos movimientos sin incurrir, trabajos o ralentizar los trabajos que se realizaban en la construcción del felpeteo. Una vez levantadas ambas cargas a aproximadamente 1,5 metros, se procedió al movimiento de la carga durante 75 metros por medio de ocho líneas de desplazamiento y sus correspondientes grúas de empuje horizontales.

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## New Zawtika Development to produce 400

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# SARENS INSTALLE EN NOUVEAU PONT ROULANT DE 650 TONNES

Le Mille Pattes Magazine

Le Mille Pattes Magazine

## SARENS INSTALLE UN NOUVEAU PONT ROULANT DE 650 TONNES

Le groupe Sarens a installé le nouveau pont roulant de 650 tonnes dans l'usine ArcelorMittal de Dunkerque, en cours de rénovation, à l'aide notamment de 22 lignes d'essieux SPMT

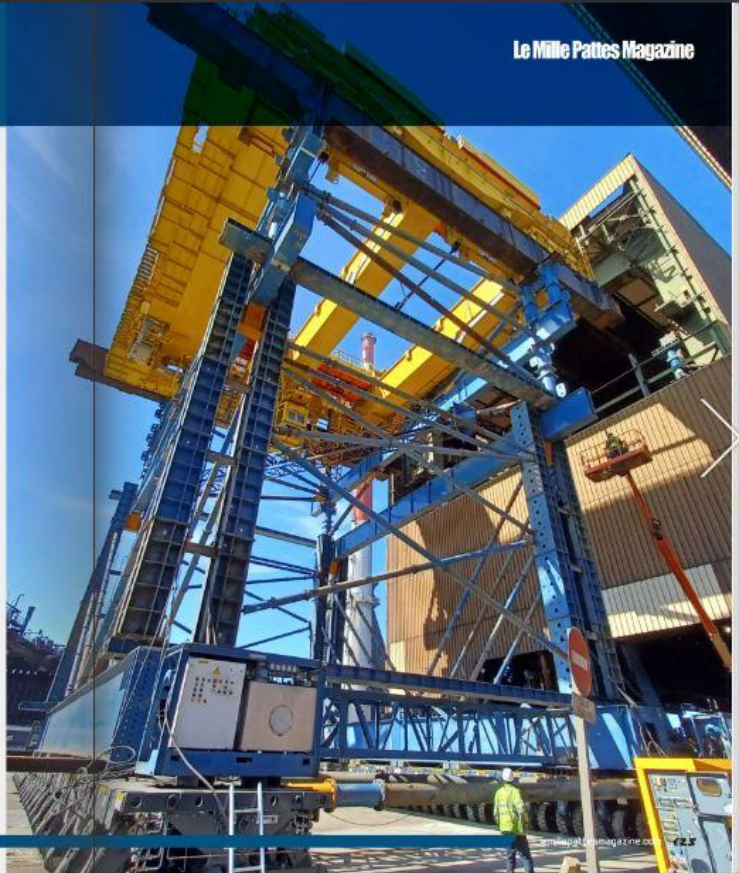
**P**our installer le nouveau pont roulant de l'usine ArcelorMittal de Dunkerque, d'un poids de 650 tonnes, le groupe Sarens l'a d'abord assemblé à l'extérieur du bâtiment, afin de réduire les temps d'arrêt et de faciliter les déplacements.

Sarens a mobilisé une combinaison de SPMT et différents systèmes de vérins et de poutres. La première phase de l'opération a nécessité le levage et le positionnement des poutres à l'aide de deux grues télescopiques de 200 tonnes. Sarens a mis en place deux lignes de SPMT de 22 essieux et a assemblé une structure en acier à deux niveaux sur le remorque. Le premier niveau était un système de levage avec un double système Sarrift 2300, préparé pour soulever le pont roulant. Le deuxième niveau était composé d'une structure d'acier construite avec des colonnes MB 1500x600 et BS 010. Sarens a été construite une poutre de levage et une plaque de connexion pour le système Sarrift, ainsi que des œillets de connexion qui pouvaient être boulonnés à la poutre modulaire. Le résultat final était une installation solide et stable permettant de soulever environ

800 tonnes. Avec ce système, le pont roulant et la poutre caisson ont été assemblés à une faible hauteur, puis soulevés jusqu'à environ 30 mètres.

Le pont roulant à installer a été construit entièrement à l'extérieur du hall dans lequel il serait utilisé. Profitant d'une fenêtre de 30 heures pendant laquelle l'usine a réduit son activité, Sarens a levé le pont roulant à l'avant du hall, pour qu'il soit exactement au niveau correct afin qu'ArcelorMittal puisse le faire rouler directement sur ses rails.

Sarens et ArcelorMittal avaient déjà œuvré ensemble sur d'autres projets de ce type, comme en 2019 avec un autre déplacement d'un pont roulant de 360 tonnes à l'aide de grues CS2000 et d'une CS450 et de 12 lignes d'essieux SPMT et d'une PPU (unité de pilotage portable). En 2014, Sarens avait collaboré avec ArcelorMittal pour le levage et le transport d'une torpille de 430 tonnes à Fos-sur-Mer en utilisant 4 unités PJ 50.



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# THE NEW VUNG ANG II THERMAL POWER PLANT WILL PLAY A KEY ROLE IN SUPPORTING VIETNAM'S ENERGY GRID



## The new Vung Ang II thermal power plant will play a key role in supporting Vietnam's energy grid

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### The new Vung Ang II thermal power plant will play a key role in supporting Vietnam's energy grid

Views: 5009

This new plant, the largest in central Vietnam, will have two ultra-supercritical coal-fired generators with a total output of 1330MW and will serve as an energy source for the nearby Formosa Steel Plant in Ha Tinh province.

Lilama, the main constructor of the project, has requested Sarens' collaboration for the lifting and installation of the two boilers of the plant, with a maximum weight of 77 tons each, using cranes such as the Liebherr LR1750.

The new Vung Ang II thermal power plant, located in Vietnam's Ha Tinh province, will be of vital importance in supplying power to a country with growing demand, especially in its industrial sector, when it comes on stream in 2024. This plant, which is part of the Vung Ang Thermal Power Centre, is the second complex in the area, and is located next to the Vung Ang I facility, which is already in operation, and close to Formosa Steel Plant.

This new facility, the largest in both size and power generation capacity in central Vietnam, will be equipped with two ultra-supercritical coal-fired generators, considered the most efficient and environmentally friendly in their class, with a total output of 1330MW. Both turbines will be fueled by imported anthracite, hard coal.

For its construction, Lilama, the main contractor, has decided to call on the expertise of Sarens, the world leader in heavy lifting, engineered transport and crane rental, for the transport, lifting and installation of the two boilers of the plant with the heaviest loads (main girders, for example) up to 77 tons at 80m height and in 30m working radius.

Sarens'engineering team will collaborate in the strategic consultancy advice and planning of the works beforehand, as well as facilitating different cranes from its international fleet, including the Liebherr LR1750, one of the most demanded for similar jobs, with a load capacity of up to 750 tons.

The construction of this new plant is part of the government's "Blue Economy" strategy.

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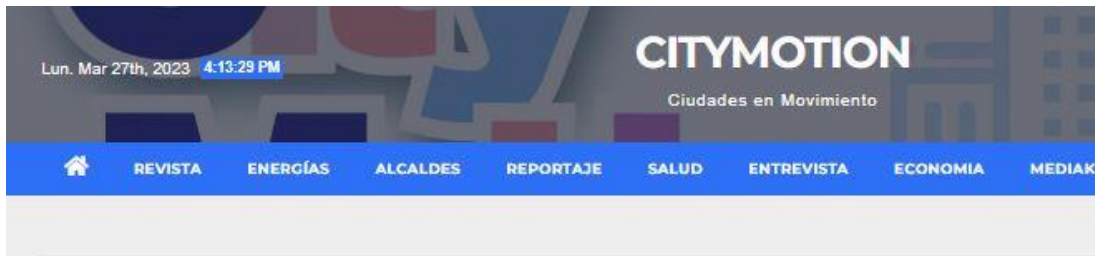
Tren Interurbano Toluca-Valle de México ahorrará hasta 25 mil viajes diarios en vehículos privados



### Contacto

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# RADIOGRAFÍA DE LA ENERGÍA NUCLEAR EN ESPAÑA



ENERGÍAS

## Radiografía de la energía nuclear en España



Por Mayte Rodríguez López

FEB 20, 2023



“

*La energía nuclear es de las más seguras para el ser humano*

- No produce emisiones nocivas de CO2 y tiene la consideración de energía verde por la Unión Europea desde julio de 2022
- De acuerdo con los datos de Red Eléctrica de España (REE), este tipo de generación aportó un 20,8% del consumo (en Francia el 70%), solo superada por la energía eólica. Y da empleo directo a 8.500 personas y a 27.000 de forma indirecta
- Tradicionalmente, España ha importado electricidad desde Francia, pero con el crecimiento de las renovables, nuestro país ya suministra al país galo y a Portugal



La visión de Sarens España, actor de relevancia en labores de construcción y mantenimiento de centrales nucleares en todo el mundo; con José María Martínez, Key Account Manager de Sarens a la cabeza, nos abre un panorama que cambia la noción de muchos estamentos sobre este tipo de energía y la utilidad que puede tener en el contexto actual de transición energética, subida de costes e incertidumbre.

## POLYMERS PLANT TO BE WORLD'S LARGEST



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# Polymers Plant to be World's Largest

FEBRUARY 1, 2023 BY PBOG

Corpus Christi Polymers' (CCP) new petroleum derivatives processing and manufacturing plant in Texas will become the largest in the United States and even in the world once it's fully operational, producing 1.1 million tons of polyethylene terephthalate (PET) and another 1.3 million tons of purified terephthalic acid (PTA) materials. This new plant will represent an important step forward for the region's economy, which will see the creation of more than 2,500 direct jobs during the 18-month construction period, in addition to another 250 once the plant is fully operational in 2025. Sarens, a leader in heavy lifting, engineered transport, and crane rental, will have a crucial role as a supplier of the cranes required for this work. Sarens will move various units, including a Liebherr LR1350 unit with a maximum capacity of 350 tons and a Demag CC2800 with a maximum capacity of 660 tons, to the new CCP facility. During this work, which began in January 2023 and will last approximately 18 months, Sarens will also offer various transport services on site. Once it reaches its full production capacity, this vertically integrated PTA-PET production plant will be able to optimize the production process of both petroleum products, which will contribute to making the manufacture of materials such as polyester more competitive in the country. It will also contribute directly to reducing PET imports from abroad, which according to the US International Trade Commission amounted to 2.25 million tons during the first five months of the year. This is not the first project Sarens has undertaken at Corpus Christi in recent years. In 2016, it was responsible for lifting and positioning the two hydrocracker reactors at the plant, as well as 58 modules using different crane models such as the Demag CC8800. Internationally, it has also participated in different projects, such as those carried out in Algeria, in North Sea (Norway) or in Ulsan (South Korea). In the latter case, this project had a significant impact on the country's economy, creating more than 20,000 direct jobs and increasing its export capacity by 2.5 trillion won per year.



This behemoth is a Demag CC2800 with a maximum capacity of 660 tons.



# MATERIAL HANDLING EQUIPMENT RENTAL MARKET IS EXPECTED TO WITNESS INCREDIBLE GROWTH

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[Latest] Material Handling Equipment Rental Market is Expected to Witness Incredible Growth during the Forecast Period 2023 – 2030



**New Jersey, United States –** The research provided comprehensive, comparable, and up-to-date data on a range of market pillars. By examining local and global tendencies in the [Material Handling Equipment Rental market](#), traders and speculators may be able to increase capacity in the future. Both significant industry developments and market dynamics are examined in the research. By examining local and global tendencies in the Material Handling Equipment Rental market, traders and speculators may be able to increase capacity in the future. Covid-19 and market participants' recovery strategies are both examined in the study. Additionally, to provide appropriate solutions, the report does a SWOT and PESTEL assessment of the market. In addition to looking at the most popular categories, the study also looks at the most crucial products and services available.

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**Key Players Mentioned in the Global Material Handling Equipment Rental Market Research Report:**

Mh Equipment, Wejoo, Macallister Rentals, Caterpillar, Sunbelt Rentals, Gemini Equipment And Rentals, Ldr Site Services, MSG Material Handling, Meiri Materials Movement Private Limited, Godrej Rentrust, Cramo Group, Looram, Ramirent, Sarens, Toyota Industries, Sigrents, Inc., Total Warehouse, United Rentals, Pacific Material Handling Solutions, Leavitt Machinery, Dawsongroup, Jlg Industries, Inc., Colla

The research helps identify the next potential consumers by gathering crucial information about the Material Handling equipment Rental organization. The insights in assessing possible export markets, outlining realistic prospects, and identifying any obstacles that exporters focusing on target markets might encounter. In the report, the cross-border possibilities are determined. The research looks at the skills that market participants will need to maximize

# MOBILE CRANE RENTAL MARKET – INCREASING DEMAND WITH INDUSTRY PROFESSIONALS

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Mobile Crane Rental Market – increasing demand with Industry Professionals | Sarens NV, Mammoet, Lampson International LLC, Action Construction Equipment, Maxim Crane Works, ...





# GLOBAL CRANES RENTAL MARKET SHARE ANALYSIS WITH RECENT DEVELOPMENTS, SIZE ESTIMATION AND FORECAST

In Country Leader

Cont

## Global Cranes Rental Market Share Analysis with Recent Developments, Size Estimation and Forecast 2023-2030



**New Jersey, United States** – Our report on the Global Cranes Rental Market provides a comprehensive analysis that allows organizations to understand the competitive landscape of the industry. This report is essential for organizations looking to tap into the immense potential of this industry by developing strategies to effectively capitalize on the opportunities being offered.

The report allows prospective investors to understand the growth prospects of the industry and take informed decisions. It also highlights the key trends and recent innovations that are likely to shape the future of the market. Our report provides an in-depth analysis of the market size, share, growth dynamics, competitive landscape, and opportunities for investments. We also provide insights into regional market dynamics and the influence of technological advancements on the overall industry. Our report also offers detailed information regarding the market's leading players and their current strategies, helping organizations to devise effective plans for their own businesses.

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### **Key Players Mentioned in the Global Cranes Rental Market Research Report:**

In this section of the report, the Global Cranes Rental Market focuses on the major players that are operating in the market and the competitive landscape present in the market. The Global Cranes Rental report includes a list of initiatives taken by the companies in the past years along with the ones, which are likely to happen in the coming years. Analysts have also made a note of their expansion plans for the near future, financial analysis of these companies, and their research and development activities. This research report includes a complete dashboard view of the Global Cranes Rental market, which helps the readers to view in-depth knowledge about the report.

**Equipment Ltd., Martin Crane Works, L.R. Di Direction & Crane Rental Corp., JCL Direction & Crane Rental Corp., Suzukier Heavylift Cranes, LLC, Lampson International LLC, Sanghvi Movens Limited, Deep South Crane and Rigging,**

# TOWER CRANES RENTAL SERVICE MARKET QUALITY & QUANTITY ANALYSIS

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# SARENS STACK SIX 180T MODULES WITH THEIR LR1000 CRAWLER CRANE



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## Sarens Stack Six 180t Modules with their LR1000 Crawler Crane

Topical coking plant, Duisburg, Germany, Liebherr, lifting heavier, LR1000 crawler crane, reaching higher, Sarens, ThyssenKrupp

Sarens is proud to be the reference for the heavy lifting industry – a distinction earned by always reaching higher, lifting heavier, and doing what others might have thought impossible. With every project completed, they prove again and again that there is nothing too heavy and nothing too high.

As recently as the fall of 2022, Sarens deployed their LR1000 crawler crane to build a quenching tower at the ThyssenKrupp coking plant in Duisburg, Germany. Their client, Franz Bracht, entrusted them with the unique challenge of stacking six 180-tonne modules to build the tower at ever-increasing heights.

For this project, the Sarens crew deployed a Liebherr LR1000 with 120m boom and SL11DBV configuration. The LR1000 is fairly new to Sarens' fleet, having joined it in 2021. It was transported to the work site via truck, with only four days required for complete rigging.

The crew then worked to install one tower module every two days, according to a set schedule. A 650t crawler crane brought each module close to the LR1000, which then lifted them precisely into place. Each 17m x 17m x 10m module had to be stacked one on top of another in order to build the tower, meaning that the final module was installed at a height of 60m.

# PARIS OLYMPIC ATHLETES' VILLAGE BRIDGE INSTALLED BY SARENS

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## Paris Olympic Athletes' Village Bridge Installed by Sarens


Topics: 2024 Olympic Games, CS1000 jacking system, Eiffage Métal, Ile Saint-Denis, Paris, Saint-Denis, Sarens, Village des Athletes

When it comes to modern bridge installations, performed with astonishing speed and technical accuracy, Sarens raises the bar for what's possible and connects landscapes and communities in powerful ways. The installation of a bridge for the 2024 Olympic Games in Paris is the most recent example of what our visionary engineering and powerful equipment can accomplish.

French steel construction company Eiffage Métal recently entrusted Sarens with the load out, river transportation, and installation of a 1,500t bridge across the river Seine. The new bridge is destined to connect the two parts of the Village des Athletes, Saint-Denis and île-Saint-Denis, for the 2024 Olympic Games.

Eiffage Métal first pre-assembled the bridge at its quay in Gennevilliers, and Sarens SPMTs then drove it onto our twin barges, Karel-Viktor, which had been outfitted with steel support structures, ballasting pumps, winches, and CS1000 jacking equipment. These innovative twin barges uncouple so they can pass easily through the locks leading to Paris, recoupling again at a wider width to provide stability for large transport operations. This is a superior solution to single barges, which could easily reach Paris but could never provide the necessary stability for larger operations. In addition to the twin barges, Sarens' CS1000 jacking system is perfectly suited for quickly jacking heavy loads, thanks to a 1,000-

# SARENS INSTALLS BRIDGE FOR OLYMPIC VILLAGE




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## Sarens installs bridge for Olympic village

By [Sarens Group](#) | 18 March 2023

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Transport engineering specialist Sarens – on behalf of French steel construction company Eiffage Métal – has installed a 1,500-tonne bridge that will connect two parts of the athletes’ village across the river Seine for the Paris 2024 Olympic Games.




Image source: Sarens

Sarens was tasked with the load out, river transportation, and installation of the bridge.

Eiffage Métal pre-assembled the bridge at its quay in Gennevilliers. Sarens’ SPMTs then moved it onto barge barges, which were outfitted with steel support structures, ballasting pumps, winches, and 65,000 jacking equipment. These barges are able to uncouple in order to pass through the locks leading to Paris, and then recouple again at a wider width to provide stability for large transport operations.

Sarens said that because of the quay’s height above the water line, a relatively high support structure had to be assembled on the barge before the SPMTs could drive the bridge aboard.

The height, combined with the shape and weight of the bridge, meant that the barge’s stability during the roll-on operation was quite limited and required a very accurate ballasting operation, said the company.

Once loaded, the crew removed the SPMTs and jacked the bridge down.

As the bridge protruded from both the aft and front of the barge, the push boat had to be connected to the bridge itself, and not to the barge. For this, Eiffage Métal provided an interface structure between the bridge and push boat, in addition to large bradings to transfer the transport forces from bridge to barge.

Once at its destination, the bridge was jacked up to its installation height. It was then installed over a 14-hour river closure, during which Sarens’ crew manoeuvred the barge and bridge using hydraulic winches, and jacked the bridge onto temporary supports.

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# CONSTRUCTION EQUIPMENT RENTAL MARKET: INCREASING ADOPTION OF RENTAL EQUIPMENT IN VARIOUS INDUSTRIES TO BOLSTER THE MARKET GROWTH DURING THE FORECAST PERIOD.



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## Construction Equipment Rental Market: Increasing Adoption of Rental Equipment in Various Industries to Bolster the Market Growth during the forecast period.

PRESS RELEASE

Published March 13, 2023

Newsmantraa

According to the report, the global Construction Equipment Rental market is expected to grow from USD 12.1 Billion in 2022, which is expected to reach USD 16.5 Billion by 2033, growing at a CAGR of 5.5% from 2023 to 2033. The construction equipment rental market refers to the rental of construction equipment, including earthmoving machinery, material handling equipment, and construction vehicles, to construction companies and contractors. Construction equipment rental is a cost-effective alternative to purchasing equipment, and it allows companies to access the latest equipment without incurring the high costs of ownership. The demand for construction equipment rental is driven by various factors, including the increasing demand for construction activities in various industries, such as infrastructure, commercial, and residential construction. Construction equipment rental is also popular among small and medium-sized construction

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# JACKING SYSTEM RENTAL SERVICES MARKET GROWTH DRIVERS AND FUTURE OUTLOOK

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Jacking System Rental Services Market 2023 Growth Drivers and Future Outlook | Top Brands Sarens NV Mammoet ALL Erection & Crane Rental Corp. Lampson International LLC Action Construction Equipment Ltd. ALE XCMG Zoomlion Sanghvi Movers Limited Giddings Power Jacks ALE Heavylift Rexroth

A comprehensive analysis of the worldwide Jacking System Rental Services market results in a well-documented study report that covers crucial facets of the market, including the supply chain, the creation of projects and goods, cost structures, and marketing and sales. Before evaluating the market size and forecast for the industry, the study takes into account the current business, economic, and financial circumstances in the worldwide Jacking System Rental Services market.

The Jacking System Rental Services market report also incorporates the

# MOBILE CRANE RENTAL 2022 BUSINESS SCENARIO

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# CARGILL'S PLANT IN GHENT WILL PRODUCE UP TO 115,000 METRIC TONS OF BIODIESEL PER YEAR

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HOME > BUSINESS > Cargill's plant in Ghent will produce up to 115,000 metric tons of biodiesel per year




## Cargill's plant in Ghent will produce up to 115,000 metric tons of biodiesel per year

March 8, 2022 | Neil Achary | Business | Comments Off

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Cargill's new plant in Ghent will contribute to reducing the carbon footprint of the maritime and road transport sector by producing up to 115,000 metric tons of biodiesel



*These facilities, inaugurated in 2022, are the most important in Europe in the processing of used oils and other wastes for the manufacture of cleaner fuels.*

*Sarens works together with Cargill in the maintenance of these facilities, providing the necessary machinery and technical advice to maximize biodiesel production and reduce downtimes.*

Sarens, world leader in heavy lifting, engineered transport and crane rental, has been working with Cargill since June 2021 to facilitate the maintenance and repair of its infrastructure at Ghent. Their new biodiesel processing plant in that location is consolidating, since its start-up in June 2022, the European reference in processing recycled oils and fats, including cooking oils, tallow and edible oil production residues, to produce biodiesel and thus contribute to the reduction of the carbon footprint in the maritime and road transport sectors.

In the case of the Ghent plant, Sarens has recently carried out various tasks to remove one of the motors in which the transesterification process of fats – a chemical reaction used for the conversion of fats contained in oils into usable biodiesel – takes place in order to proceed with the disassembly and overhaul of its engine and drive shaft.

In order to access the motor, located in one of the plant's ATEX-zones and in a very small space, Sarens used an LIM1150 crane, with a maximum load capacity of 150 tons, to lift the concrete panel located on top of the unit. Once this panel is removed, the technical team can proceed to disassemble the motor

# BELGIUM OPENS HONOURARY CONSULATE IN EDMONTON, APPOINTS LOCAL BUSINESS LEADER



EDMONTON | News

## Belgium opens honorary consulate in Edmonton, appoints local business leader



An undated photo of Lori Schmidt. (Source: Loral Management Group)

Alex Antoneshyn  
CTVNewsEdmonton.ca Digital  
Producer

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Published March 9, 2023 9:13  
p.m. IST

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An Edmonton businesswoman has been named Belgium's honorary consul in Alberta's capital city.

Belgium announced Thursday morning it was opening its sixth honorary consulate in Canada in Edmonton.

Lori Schmidt, president of the Loral Management Group (LMG), will fill the role.

[According to the Alberta government](#), "an honorary consular officer is a Canadian citizen who has been asked by a country to be their representative in Alberta." They are consular

# JACKING SYSTEM RENTAL SERVICES MARKET GROWTH DRIVERS AND FUTURE OUTLOOK

Jacking System Rental Services Market 2023 Growth Drivers and Future Outlook | Top Brands Sarens NV Mammoet ALL Erection & Crane Rental Corp. Lampson International LLC Action Construction Equipment Ltd. ALE XCMG Zoomlion Sanghvi Movers Limited Giddings Power Jacks ALE Heavylift Rexroth

The Global Jacking System Rental Services Market research report presents an analysis of current industry trends in a professional manner while also completing a thorough informational investigation.

In order to provide the buyer a sense of a deeper understanding of the market, the report includes extensive definitions of the market.

In order to give market comparison research, the report also includes some historical data that is pertinent to the current market. In order for the reader to understand the market's potential for the future, it discloses the most recent inventions and advancements that have occurred in the market. The market has been thoughtfully segmented in the research. The research further categorizes each segment. In addition to this broad segmentation.

Key Players in the Jacking System Rental Services market:

Sarens NV  
Mammoet  
ALL Erection & Crane Rental Corp.  
Lampson International LLC  
Action Construction Equipment Ltd.  
ALE  
XCMG  
Zoomlion  
Sanghvi Movers Limited  
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# CRANES RENTAL MARKET TO WITNESS ASTONISHING GROWTH WITH KEY PLAYERS- MAMMOET, SARENS, LAMPSON INTERNATIONAL

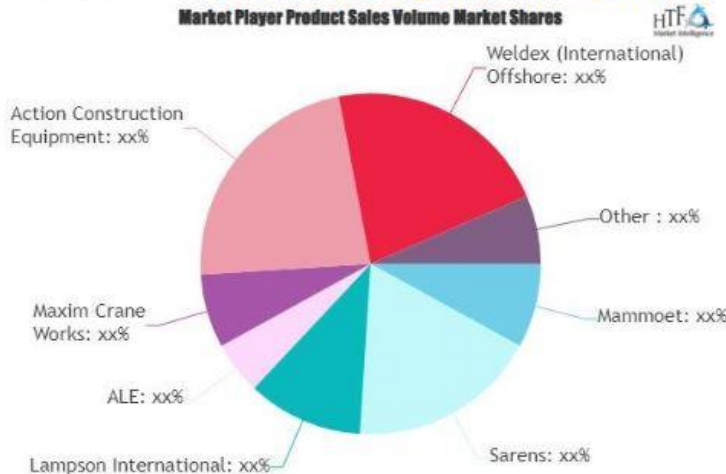


Press release

## Cranes Rental Market to Witness Astonishing Growth With Key Players- Mammoet, Sarens, Lampson International

03-09-2023 06:52 PM CET | Advertising, Media Consulting, Marketing Research

Press release from: HTF Market Intelligence Consulting Pvt. Ltd.



*Cranes Rental Market*

# CARGILL'S PLANT IN GHEENT WILL PRODUCE UP TO 115,000 METRIC TONS OF BIODIESEL PER YEAR

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**Cargill's plant in Ghent will produce up to 115,000 metric tons of biodiesel per year**

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Cargill's new plant in Ghent will contribute to reducing the carbon footprint of the maritime and road transport sector by producing up to 115,000 metric tons of biodiesel.

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Their facilities, inaugurated in 2022, are the most extensive in Europe in the processing of used oils and other wastes for the manufacture of diesel fuels.

Sarens works together with Cargill in the maintenance of these facilities, providing the necessary machinery and technical advice to maximize biodiesel production and reduce downtime.

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In order to access the motor, located in one of the plant's ATC-booms and in a very small space, Sarens used an LTM1150 crane with a maximum load capacity of 150 tons, to lift the concrete panel located on top of the unit. Once this panel is removed, the technical team can proceed to disassemble the motor and attach it to the crane, so that it can be removed to work on the mechanical overhaul more comfortably.

Once these operations were completed, for which it was necessary to circumvent all types of cable trays and piping, the technical team returned the unit to its original location and the concrete panel.

# COVID-19 IMPACT ANALYSIS OF JACKING SYSTEM RENTAL SERVICES MARKET 2029

COVID-19 Impact  
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#### Key Players in the Jacking System Rental Services market:

Sarens NV  
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The research helps identify the next potential consumers by gathering crucial information about the Jacking System Rental Services organization. This assists in analyzing possible export markets, outlining realistic prospects, and identifying any obstacles that exporters focusing on target markets might encounter. In the report, the cross-border possibilities are determined. The research looks at the skills that market participants will need to increase productivity and adapt to a more competitive environment. To aid market participants in planning their

# CIOSIF INVESTMENT FOR TUGDOCK



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# SARENS HAS BEEN APPOINTED TO COLLABORATE IN NASA'S ARTEMIS PROGRAM



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Breaking News

## Sarens has been appointed to collaborate in NASA's Artemis Program

by pdubey@v1-media.com | Mar 1, 2023

*Sarens has been selected to support the assembly of the Mobile Launcher 2 (ML2), the structure that will be used for the launch of the Space Launch System rocket.*

*The construction of the 7 modules and 4 E-Rooms will be carried out with an LR 1250 crane and an LTR 1100 telescopic crane, while the assembly of the 380-foot-high launch tower will require a massive LR 11350 crane with a maximum lifting capacity of 1350 tons.*

The Artemis Program, led by NASA with the support of international partners such as ESA (European Space Agency), JAXA (Japan Aerospace Exploration Agency) and CSA (Canadian Space Agency), aims to mark a milestone in global space exploration by landing the first woman and the next man on the Moon. This project has the long-term goal of establishing a sustainable presence on the satellite and ultimately laying the groundwork for sending humans to Mars as early as 2033.

In order to carry out this project the construction and assembly of the launch tower is essential, as well as the rest of the infrastructure necessary for the spacecraft's liftoff. That's why Sarens, world leader in heavy lifting, engineered transports and crane rental, has been selected to provide support in the construction of the different modules of the Mobile Launcher 2 (ML2), which will be the structure used to carry out the assembly and launch of the Space Launch System rocket.

The construction of the 7 modules and the 4 E-Rooms required for the assembly of the launch tower will take place at a separate site and it will be carried out by an LR 1250 crane and an LTR 1100 telescopic crane. As soon as the modules are completed, these will have to be transported approximately 6 miles to their final location - where the platform will be erected - for which Sarens will provide the SPMTs and the necessary equipment to carry out the maneuver.

Once at the launch site, final assembly of ML2 will begin, which will provide stability, power, coolant, fuel and communications to the spacecraft. The 380-foot-tall launcher will need to interface with the Vehicle Assembly Building and be constructed floor-to-floor, which will require an LR 11350 crawler crane. This massive crane, which has a maximum lifting capacity of 1,350 tons, will be responsible for lifting the modules and e-rooms for assembly. Once ML2 is assembled, and with the help of the hydraulic jacking

# E42 MOTORWAY VIADUCT SECTIONS REPLACED BY SARENS IN BELGIUM – VIDEO

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23 Feb 2023

## E42 Motorway Viaduct Sections Replaced by Sarens in Belgium – Video

Topics: Belgium, CAD Design, Huccorgne Viaduct, Luik, Namur, Sarens, SM Besix Galère, SOFICO, Wanze

Sarens was asked by their trusted client, SM Besix Galère, to replace bridge beams as part of the renovation of the Huccorgne Viaduct in Wanze, Belgium.

The viaduct spans the valley of the La Meuse river for the E42/A15 motorway between the Belgian cities of Namur and Luik (Liège). It was built between 1968 and 1971, the structure consists of two parallel viaducts, one for each direction of traffic, with a total length of 547m and a height of 60m.

Sarens were involved with the renovation in the first phase of the project from January to July 2022 when the bridge section carrying the motorway to Luik was closed for traffic.

With constant traffic movement next to the site



## SARENS GROUP ACHIEVES HIGH RATING IN ECOVADIS ESG ASSESSMENT

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17 Feb 2023

### Sarens Group Achieves High Rating in EcoVadis ESG Assessment

Topics: Air Liquide, corporate governance, EcoVadis, Environmental, ESG, Sarens Group, Social, Sustainability Management Audit

Sarens is thrilled to announce that it has earned an EcoVadis rating after a rigorous and complex assessment process. EcoVadis is one of the major global ESG (environmental, social, and (corporate) governance) organisations and has so far rated over 75,000 trading partners worldwide. As of 2022, approximately 750 multinational enterprises have selected EcoVadis to assess and monitor their global supplier base and selected business partners.

Sarens took the first steps towards achieving an EcoVadis rating while building a commercial relationship with Air Liquide, a world leader in gases, technologies, and services for industry and health. Air Liquide had requested that Sarens Belgium (BE) undergo a Sustainability Management Audit (ESG) with EcoVadis.

However, Sarens' quest for excellence led it to dream even bigger and reach even higher. Although the initial request applied only to Sarens Belgium, due to the detailed and comprehensive nature of the assessment, the leadership team chose to take it to the entire Sarens Group. This would mean that all Sarens business units worldwide could use the EcoVadis assessment ranking as a positive step forward in their ESG initiatives.

The EcoVadis ranking is an opportunity for ongoing self-improvement—and Sarens is excited to be undertaking that journey. Following the initial assessment, Sarens NV received an overall score of 50%, a very good result at such an early stage. Our current score shows that we are making good progress in both Labour & Human Rights as well as Environment categories. These ratings are a concrete recognition of our commitment to environmental sustainability, for example, as demonstrated through

# SARENS IS PROUD TO BE PART OF THE BERNABEU STADIUM REDEVELOPMENT TEAM

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17 Feb 2023

## Sarens is Proud to be Part of the Bernabeu Stadium Redevelopment Team

Topics: Bernabeu Stadium, football team, Hypogeum, PHB, PHB Weserhütte, Real Madrid, Redevelopment Team

It's one of this century's most remarkable feats of engineering, and Sarens is honoured to be a part of it: the redeveloped Bernabeu Stadium, home of the legendary Real Madrid football team, is taking shape as one of the most fascinating, complex, and beautiful structures in the world.

As part of a nearly billion-euro renovation project, the world-famous Bernabeu is increasing seating capacity by 4,000, adding 10m of height, and installing a stunning new retractable roof and pitch. And it's doing it all without disrupting a single game, thanks to a Roman-inspired building approach that allows for construction to continue without interrupting on-field events.

Once completed, Bernabeu will host a variety of spectacles for most days of the year, from business conferences and concerts to tennis matches, basketball games, and of course Real Madrid victories.

PHB Weserhütte, a subsidiary of the Asturian group TSK, was awarded the contract for the industrial pitch automation system as part of the remodeling of the Santiago Bernabéu stadium.

A retractable pitch means that the stadium's six massive trays of grass turf can be moved underground

# FLOATING WIND TO FIND INNOVATIVE SOLUTIONS FROM TUGDOCK AND SARENS LINK

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**TWD** Efficient Module Transport Challenges in Module Transport & How to Tackle

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16 Feb 2023

## Floating Wind to Find Innovative Solutions from Tugdock and Sarens Link

Topics: floating offshore wind farm, investment, Sarens, submersible floating dry docks, Tugdock Limited

Tugdock Limited has announced a partnership with Sarens, the global leader and reference in crane rental services, heavy lifting, and engineered transport. To support the further growth of Tugdock, Sarens has invested in the start-up company, which is based in Cornwall, UK. The partnership will enable the two companies to offer a novel solution to the fast-growing floating offshore wind industry. Lucas Lowe-Houghton, Director of Business Development for Tugdock, explains:

"The floating offshore wind sector is expected to continue to grow rapidly. However, very few of the world's ports have sufficient water depth and assembly quay space to build the huge turbine floaters required and conventional dry docks are not wide enough as they were originally designed for ships. Tugdock's patented marine buoyancy bag technology solves this issue. It allows floating dry docks to be delivered by road in modular form and assembled at the port to dimensions far wider than most of the world's existing dry docks."



## SONOMET'S JACKET LOAD-OUT EXECUTED BY SARENS

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& How to Tackle



9 Feb 2025

### Sonomet's Jacket Load-Out Executed by Sarens

Topics: ballast pumps, Load-out, Sarens, skidding, Sonomet, Strand Jacks

Sarens was asked to plan, coordinate, and execute the skidding and load-out of a jacket for our trusted client Sonomet 500km South of Luanda, Angola.

Around last Christmas time, the Sarens team coordinated with the client and engineered a solution to skid and load-out the jacket onto a barge. The crew decided to deploy four 200t strand jacks for the load-out and twenty ballast pumps to maintain the barge level during the load-out. Maintaining the barge level at all times is a seminal challenge in this type of operation across the world. For Sarens, this job was no exception.

The equipment was mobilised in four weeks from Sarens Headquarters in Belgium and set up in three weeks. This showcases the swift and agile capabilities Sarens put in action, setting in motion an international mobilisation plan to help their clients get the job done without delay.

The jacket measured 37m in height and weighed 2200t. Considering the tidal situation and the load dimensions, the skid track was laid on the quayside and on to the barge. Meanwhile, the ballast pumps ensured that the barge remained stable during skidding.

In the warm weather with gusty winds the Sarens crew of seven worked moving the jacket with precision onto the barge ready to be transported to its destination.

## SARENS PSG SELECTED FOR MORAY WEST OWF MARSHALLING

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27 Jan 2023

### Sarens PSG Selected for Moray West OWF Marshalling

Topics: EDP Renewables, ENGIE, Invergordon, Marshalling, Moray West, Ocean Winds UK, PSG Marine and Logistics, Sarens, Sarens PSG, Scotland

Sarens PSG, a joint venture between Sarens and PSG Marine & Logistics established in summer 2022, has been selected by Moray West to undertake the marshalling work at Invergordon of all 62 monopiles prior to installation as part of the Moray West offshore wind farm. Ocean Winds, created as a 50-50 joint venture, owned by EDP Renewables and ENGIE, is developing the Moray West project.

The monopiles will be the largest and heaviest XXL monopiles ever handled in the UK with weights close to 2,000t. Offloading and marshalling for storage and load out of the monopiles will be undertaken by Sarens PSG using their fleet of self-propelled modular transporters (SPMTs). The monopiles will start to arrive in Invergordon in mid 2023 with installation complete approximately one year later.

The agreement to use Sarens PSG will support the growth plans in Scotland of the new heavy lift and transport logistics joint venture, based out of the Invergordon Service Base. The joint venture offers an extensive heavy lift design and implementation capability together with a broad range of transport and logistics support services to customers in the fixed and floating offshore wind market across Scotland.

Source Sarens PSG

## SARENS PSG JOINT VENTURE ADDS A LIEBHERR LTM 1750-9.1 TO FLEET

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29 Jun 2023

### Sarens PSG Joint Venture Adds a Liebherr LTM 1750-9.1 to Fleet

Topics: joint venture, Liebherr, logistics, LTM 1750-9.1, Marshalling, mobile telescopic crane, PSG Marine & Logistics, Sarens PSG, Scotland

The Sarens PSG joint venture has strengthened its fleet by adding an 800t Liebherr LTM 1750-9.1 mobile telescopic crane to their heavy cranes and transport equipment fleet.

The joint venture between PSG Marine & Logistics, the port marshalling and logistics specialist, and the internationally renowned Sarens was set up to become the leading provider of heavy lift & transport solutions to the renewable energy sector across Scotland.

Steve Clark, Sarens PSG MD, "We are delighted to add this machine to our growing fleet of heavy cranes. The LTM 1750 is one of the most powerful and in-demand cranes on the market, due to its unrivalled heavy lift capacity and extensive use in onshore windfarm construction where we see an exciting pipeline of opportunities for this machine."

Featured Title photograph

a Liebherr LTM 1750-9.1 mobile telescopic crane



## SARENS UNDERGROUND IN TORONTO

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19 Jan 2023

### Sarens Underground in Toronto

Topics: Cambridge, Canada, Finch West Station, gantry beams, light rail transit system, Mosaic Transit, Ontario, platform beams, precast ceiling panels, skidding supports, Toronto

Mosaic Transit had to install 30 pre-cast ceiling panels in an extremely confined space and one level below the ground, accessible only through a small skylight at the underground Finch West Station on the Metrolinx light rail transit system in Toronto, Ontario.

Mosaic asked Sarens, the specialist in heavy lifting solutions, to install the challenging ceiling panels. The panels had to be installed below the ground level. There were two major roads intersecting above the ground with moving traffic throughout the day, further adding to the challenge. Only two small fenced-off areas provided access to the underground area for the project execution. The team had to install 30 pre-cast ceiling panels weighing 3.25t each and measuring 4m x 0.3m x 1m.

Sarens rose up to the challenge and their engineering team designed and fabricated customised - gantry beams, platform between the gantry beams, and sliding supports, for the project. The gantry system was selected with a low-profile gantry track and gantry legs with lower height to work in the limited space. The equipment was mobilised from Sarens depot in Cambridge, Ontario.

The gantry track and gantry legs were moved through the east-end of the site and lowered to the underground level through west skylight. The gantry beams, platform beams, and skidding supports were later lowered through the east skylight. The main 10m long gantry beams had to be rigged on a steep angle to fit through the narrow skylight. Below the ground level, the beams were set across the concrete then re-rigged level to install on the gantry.

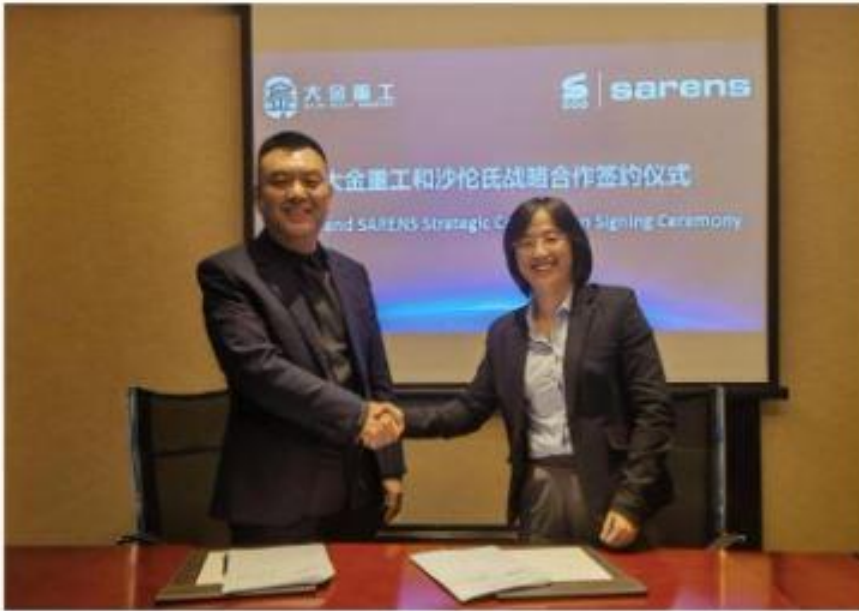
The panels were first lowered by a crane through the skylight opening and set on top of the gantry. The

# STRATEGIC COOPERATION AGREEMENT SIGNED BETWEEN DAJIN AND SINOTRANS-SARENS

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17 Jan 2023

## Strategic Cooperation Agreement signed between Dajin and Sinotrans-Sarens

Topics: Dajin Heavy Industry; Foundations; global offshore wind market; hoisting; jockets; Monopiles; production; Sinotrans Sarens; towers; Transition Pieces; transportation

The strategic cooperation signing ceremony between Dajin Heavy Industry Co., Ltd. and Sinotrans Sarens was held in Shanghai on November 4th 2022. Represented by Mr. Jin Xin, President of Dajin and Mrs. Chen Huan, General Manager of Sinotrans Sarens, the ceremony is a symbolic milestone achieved in the course of global wind energy market.

Sarens is the global leader in crane rental services, heavy lifting, and engineered transport, with more than 100 entities in 65 countries operating. Sarens provides heavy lift and engineered transport solutions in oil & gas, mining, onshore and offshore wind power, major civil works, nuclear and EPCMs. As the world's largest wind power hoisting, installation, and transportation company, Sarens has provided services and established long-term strategic cooperation for international wind power companies such as DEME, Jan De Nul, Sif, EEW, Steelwind, etc.

# SARENS COMPLETE UK MOTORWAY BRIDGE INSTALLATION

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16 Jan 2023

## Sarens Complete UK Motorway Bridge Installation

Topics: CS250 jacking system, CS250 jacking system, Junction 6, M42, National Highways, Severfield, Skanska, SPMT's, UK

Sarens, working on behalf of Severfield and Skanska, installed two bridge sections as part of National Highways' major £282m upgrade of the M42 in Solihull.



# SARENS PROVIDING TRANSPORT, CRANE AND INSTALLATION FOR INDIAN WIND PROJECT

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13 Jan 2023

## Sarens Providing Transport, Crane and Installation for Indian Wind Project

Topics: CleanMax, Gujarat, India, Sany 800A crawler crane, Sarens, WTGs

When Clean Max Enviro Energy Solutions Pvt. Ltd., had to install 41 Wind Turbine Generators (WTGs) at locations across India, Sarens came up with a complete solution for handling from the factory to a marshalling site, then onwards to each location for erecting, installing and finally commissioning which was also to be carried out by Sarens.

A challenging project for which the client was looking for a one-stop-solution-provider and found Sarens with its specialized TCI service package, equipment built to support powerful and next-generation turbines, and its in-house experienced installation team.

Sarens decided to deploy:

- Transport from factory with hydraulic axles, quad and penta-axle trailer etc.
- Marshalling yard crane package including 250t hydraulic telescopic crane.
- Main installation crane package
  - ◊ 800t Sany 800A crawler crane (Sany 800A can easily and safely lift critical weight of 95L)
  - ◊ HJFD0 5 150 main boom

# SARENS INSTALLS 2 NORWEGIAN RAIL BRIDGE SECTIONS WITHIN 4 HOUR WINDOW

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12 Jan 2023

## Sarens Installs 2 Norwegian Rail Bridge Sections Within 4 Hour Window

Topic: CS230 jacking towers, dual-track bridge, Nittedal, Norway, NRC Norge, Sarens, SPMT's

When a project demands precise, secure bridge installations on an extremely tight timeline, clients know they can trust Sarens to deliver. In the summer of 2022, Sarens successfully transported and installed two concrete railway bridge sections in the Nittedal municipality of Norway, replacing an existing single-track railway bridge with a dual-track bridge for client NRC Norge.



# SARENS INSTALLS CEILING PANELS IN TORONTO

The screenshot shows a website page for 'HEAVY LIFT A PROJECT FORWARDING INTERNATIONAL'. The page features a navigation bar with links for NEWS, INSIGHTS, DIGITAL EDITIONS, AWARDS, ADVERTISE, CONTACT US, ABOUT US, and TRAINING. The main article is titled 'Sarens Installs Ceiling Panels In Toronto' and is dated 23 January 2022. The article includes a sub-headline 'Sarens customized gantry system smoothly installs pre-cast ceiling panels at Finch West station in Toronto, Ontario' and a photograph of the installation site. The text describes the challenges of installing 50 pre-cast ceiling panels in a confined space and how Sarens' custom gantry system was used to overcome these challenges. A sidebar on the right contains a 'MORE BIG CARGO POSSIBILITIES' banner and a list of 'Most popular' articles.

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## Sarens Installs Ceiling Panels In Toronto

From: *Sponsored by Sarens* | 23 January 2022

[Social media icons]

Sarens customized gantry system smoothly installs pre-cast ceiling panels at Finch West station in Toronto, Ontario

Image courtesy Sarens

Moale TrainCo had to install 50 pre-cast ceiling panels in an extremely confined space and one level below the ground, accessible only through a small skylight at the Finch West Station in Toronto, Ontario.

Moale called Sarens, the specialist in heavy lifting solutions, to install the challenging ceiling panels. The panels had to be installed below the ground level. There were two major roads intersecting above the ground with moving traffic throughout the day, further adding to the challenge. Only two small fenced-off areas provided access to the underground area for the project execution. The team had to install 50 pre-cast ceiling panels weighing 2,257 each and measuring 4m x 2.5m x 2m.

Sarens rose up to the challenge and our engineering team designed and fabricated customised - gantry beams, platform between the gantry beams, and skidding supports for the project. The gantry system was selected with a low-profile gantry track and gantry legs with lower height to work in the limited space. The equipment was mobilised from Sarens depot in Cambridge, Ontario.

The gantry track and gantry legs were moved through the east-end of the site and lowered to the underground level through west skylight. The gantry beams, platform beams, and skidding supports were later lowered through the east skylight. The main 10m long gantry beams had to be rigged on a steep angle to fit through the narrow skylight. Below the ground level, the beams

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## SARENS PSG TO HANDLE MORAY WEST XXL MONOPILES



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### Sarens PSG to Handle Moray West XXL Monopiles

January 26, 2023, by [Adnan Memija](#)

Moray West has selected Sarens PSG, a joint venture between Sarens and PSG M Logistics, to undertake the marshalling work at Invergordon of all 62 monopiles installation as part of the Moray West offshore wind farm in Scotland.

[Established](#) in the summer of 2022, the joint venture will use its fleet of self-propelled



## SARENS PSG SCORES MARSHALLING CONTRACT FOR MORAY WEST



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### Sarens PSG scores marshalling contract for Moray West



By: Tom Russell

26/01/2023

Sarens PSG

General

Windfarms



Image source: Sarens PSG

Sarens PSG, a joint venture between Sarens and PSG Marine & Logistics, has been selected by [Moray West](#) to undertake the marshalling of all 62 monopiles prior to installation.

It follows [news yesterday](#) (25 January 2023) that Invergordon port in the Cromarty Firth, Scotland, has been selected as the location for marshalling of all monopiles prior to installation as part of the Moray West offshore wind farm.

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# Sarens PSG Bags Moray West Monopiles Contract

January 26,



# SARENS PSG LANDS MORAY WEST CONTRACT



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BUSINESS

## Sarens PSG lands Moray West contract

By Sophie Barman | 27 January 2023



Sarens PSG has been selected by Ocean Winds to handle the marshalling work in Invergordon, Scotland, for the Moray West offshore wind farm.



Image source: Ocean Winds

Sarens PSG – a joint venture established in 2022 between Sarens and PSG Marine & Logistics – will handle 62 monopiles at the port, prior to installation at the wind farm site. The monopiles will be among the largest and heaviest of their type to be handled in the UK, weighing close to 2,000 tonnes.

Offloading and marshalling for storage and load out of the monopiles will be undertaken by Sarens PSG using their fleet of SPMTs. They will start to arrive in Invergordon in mid 2023 with installation completed approximately one year later.

Pete Geddes, SPC director for Ocean Winds in the UK, with responsibility for Moray West, said: "Handling the XXL monopiles will be a first. The track record of Sarens and PSG, together with their large fleet of SPMTs, provided key confidence to make this selection."

Source

# SARENS PSG PICKED FOR MORAY WEST MONOPILES MARSHALLING



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Sarens PSG picked for Moray West monopiles marshalling | Sarens PSG

Sarens PSG has been selected by Moray West to undertake the marshalling work at Invergorran of all 62 monopiles prior to installation as part of the Moray West offshore wind farm. Ocean Winds, created as a 50-50 joint venture, owned by B21 Renewable and ENGIE, is developing the Moray West project.



The monopiles will be the largest and heaviest XXL monopiles ever handled in the UK with weights close to 2,000 tonnes. Offloading and marshalling for storage and load out of the monopiles will be undertaken by Sarens PSG using their fleet of self-propelled modular transporters (SPMTs). The monopiles will start to arrive in Invergorran in mid 2023, with installation complete approximately one year later.

The agreement to use Sarens PSG, a joint venture between Sarens and PSG Marine & Logistics established in summer 2022, will support the growth plans in Scotland of the new heavy lift and transport logistics joint venture, based out of the Invergorran Service Base. The joint venture offers an extensive heavy lift design and implementation capability together with a broad range of transport and logistics support services to customers in the fixed and floating offshore wind market across Scotland.

EPC Director for Ocean Winds in the UK with responsibility for Moray West, **Neil Geddes** said, "From the successful working with PSG on the Moray East project we are delighted that the capabilities of the Sarens PSG joint venture have enhanced the offering to meet the needs of Moray West. Handling the XXL monopiles will be a first. The track record of Sarens and PSG, together with their large fleet of SPMTs, provided key confidence to make the selection. The ambitious delivery programme will mean that from this summer we'll start working with Sarens PSG to offload and marshal the monopiles."

Geddes adds that the JV hopes that this demonstration of confidence in Sarens PSG supports their investment plans to prepare for the wave of ScotWind sites that are in the development pipeline. This includes the Ocean Winds 'Caledonia' project that should be in construction well before the end of the decade.

**Steve Clark**, Managing Director at Sarens PSG, confirming the award of the contract, said, "The combination of strategically located deep-water heavy lift quaysides and vast adjacent laydown combined with Sarens PSG's heavy lift & transport experience, engineering capabilities, and market leading equipment provision, makes Invergorran and Sarens PSG the ideal and compelling choice for this project and for the delivery of large-scale storage and marshalling of both

# MORAY WEST OFFSHORE WIND FARM TO USE SARENS PSG FOR MARSHALLING MONOPILES

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## Moray West Offshore Wind Farm to use Sarens PSG for marshalling monopiles

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Source: Windfair

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Posted by: Windfair Editors

## Ocean Winds selects Sarens PSG as monopiles supplier



## STONELEIGH JUNCTION'S BRIDGE DECK LOWERED INTO POSITION



The image is a screenshot of a news article from the Birmingham Observer. The article title is "Stoneleigh Junction's bridge deck lowered into position". The author is Phillipa Higgins, dated 21 Jan 2019. The article text describes the £38 million A46 Stoneleigh Junction improvement scheme, its funding sources (Warwickshire County Council, Department for Transport, West Midlands Combined Authority, University of Warwick, and Whitley South Works), and the construction process by specialist contractor Colas Ltd, which involved lowering the bridge deck into its permanent position over the weekend of January 21 and 22. A large warning sign with a red triangle and a black silhouette of a worker is prominently displayed in the center of the article.

**Observer**

SPORT LIFESTYLE EVENTS WOMEN'S CONTACT JOBS

**Stoneleigh Junction's bridge deck lowered into position**



Phillipa Higgins  
21 Jan 2019

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MILLION-pound improvements to the Stoneleigh Junction have taken a leap forward now the bridge deck is in place.

The £38million A46 Stoneleigh Junction improvement scheme aims to reduce the regular delays and queuing traffic, improve road safety for all users and ensure the junction has the capacity that will be required to meet future growth in the area.

The scheme is being funded by Warwickshire County Council, The Department for Transport and the West Midlands Combined Authority with developer contributions from the University of Warwick and Whitley South Works through the Coventry and Warwickshire Development Partnership.

The new bridge deck was constructed by specialist contractor Colas Ltd away from its supports in order to minimise disruption to one of the busiest parts of Warwickshire's strategic road network. The deck was then installed into its permanent position using a deck lift and transportation method over the weekend of January 21 and 22.

Read more

# WINDPLAN BLAUW TOWER BASE RINGS IN PLACE



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## Windplan Blauw Tower Base rings in place

Published on 09-03-2022 at 13:58

Windplan Blauw Tower Base rings in place © Sarens Nederland

Construction of Windplan Blauw wind farm in the IJsselmeer was given the green light on 10 September 2022. The first tower base rings have been placed and have now been installed by Sarens Nederland.

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This wind farm, an initiative of Swifterwin7 and Vattenfall, is in the municipality of Urnen in Lelystad, where 74 wind turbines will be replaced by 61 larger turbines, with a capacity of over 505 MW. Of these, 37 will be located on land.

Each ring weighs 19 tons and is placed over 152 anchors. In addition, the anchors may only have two millimetres of clearance compared to the anchor holes in the tower base ring. The rings link the foundations with the nacelles that will be installed later this year.





# GRAND DUKE OF LUXEMBOURG VISITS SARENS SITE



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## Grand Duke of Luxembourg visits Sarens site

Published on 09-02-2023 at 10:31

Grand Duke of Luxembourg visits Sarens site LH11000 crawler crane © SARENS

The Royal Highness the Grand Duke Henri of Luxembourg, paid a Sarens work site an unofficial visit. The Schieren bridge site is located in the centre of the Grand Duchy, a stone's throw from one of the royal residences.


According to a statement by Sarens, the Duke "visited the site unofficially, purely out of interest as he has a site view from the royal residence," in the company of His Excellency the Minister of Public Works, François Daesch, and the General Director of "Arbél et Chaussées" (bridges and roads).

The Schieren bridge project is a construction project in which Sarens has been tasked with installing a new bridge over the railway tracks between Colmar-Berg and Schieren, to replace the existing piece of infrastructure which dates back to the 1960s. The new bridge was prefabricated by a Welsh company, and transported to the work site in pieces, before being reassembled.

The new bridge currently being installed is 72 meters long and weighs 700 tonnes. To move the new bridge into place, Sarens is using S11M16 (4 x 8 axle line) and a 11004-tonne LH11000 crawler crane. The new bridge is scheduled to open in Autumn 2023.

Tags: Colmar-Berg, crawler crane, LH11000, Luxembourg, Sarens, Schieren, Wales



 Author: Emma Dalley

# SARENS AND TUGDOCK LIMITED ANNOUNCE PARTNERSHIP



From left to right: Lucas Lowe-Houghton (Tugdock), Wim Sarens (Sarens), Carl Sarens (Sarens), Edward Carr (Tugdock & Tugdock)

Sarens have invested in Tugdock to support future growth of the Cornwall-based start-up, and combine their patented technologies to provide a new solution to floating offshore wind.

Floating offshore wind turbines are located in areas where there is deeper water and higher winds than fixed wind turbine structures, enabling them to generate higher levels of power. They are expected to play a key role in the transition to net zero. Over 20 gigawatts of floating offshore wind power is expected to be commissioned globally by 2035, requiring over 2,800 wind turbines.

Lucas Lowe-Houghton, Director of Business Development for Tugdock, explains:

"The floating offshore wind sector is expected to continue to grow rapidly. However, very few of the world's ports have sufficient water depth and assembly quay space to build the huge turbine floaters required and conventional dry docks are not wide enough as they were originally designed for ships. Tugdock's patented marine buoyancy bag technology solves this issue. It allows floating dry docks to be delivered by road in modular form and assembled at the port to dimensions far wider than most of the world's existing dry docks."

Our submersible floating dry docks can operate with as little as 5 metres draft, enabling more efficient wind turbine floater construction. The platform is then lowered to deeper water for launching of the turbines. More than 8% of the total cost of a floating offshore wind farm is accounted for by assembly and installation. So, any innovation that allows this process to be carried out more efficiently and quickly will have a big impact on profitability for developers."

The units can also be reused from one port or project to another regardless of changes in turbine size or foundation weight.

Tags: Cornwall, floating offshore wind, Sarens, tugdock, UK, Wales

# BLRT REPAIR YARDS WELCOMES THE DELPHINE



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## BLRT Repair Yards welcomes the Delphine

Published on 17-02-2023 at 10:36

BLRT Repair Yards welcomes the Delphine @ BLRT Repair Yard

BLRT Repair Yards's Lithuanian yard has welcomed the Mono cargo vessel, the Delphine, which is the largest car carrier vessel they have repaired to date.

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Built in 2016, the Delphine sails under the Maltese flag, and is owned by the Luxembourgish company, Shiplex XLI. The vessel is 234.06 metres long and 35.33 metres wide, with a gross tonnage of 74 273 metric tonnes. It is managed by the Hong Kong-based ship management company, Anglo-Eastern.

The vessel arrived for repair and maintenance at the Western Shiprepair's yard in the port-city of Klaipėda, Lithuania in mid-January. There, the vessel was repaired at floating dock 12, the largest floating dock in the Baltics. The vessel underwent its 1st special survey, an overhaul of the steering and propulsion group including five thrusters, the installation of the foundations for wind rotors, and other routine jobs.

This is not the first collaboration between BLRT Repair Yards and Anglo-Eastern. A few years ago, the BLRT Repair Yards in Klaipėda repaired Federal type bulk carriers managed by Anglo-Eastern.



# CRANES TODAY

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## WORLD'S HEAVIEST BUILDING TRANSPORT

21 February 2023

PRINT PAGE



EMAIL



7,500-tonne hotel moved by Sinotrans Heavy-Lift in China.

Chinese heavy lift company Sinotrans Heavy-Lift was commissioned to reposition a 7,500-tonne hotel by 500 metres to comply with environmental regulations in the city of Sanya, Hainan province, China. The company says it is the world's heaviest building transport ever carried out.

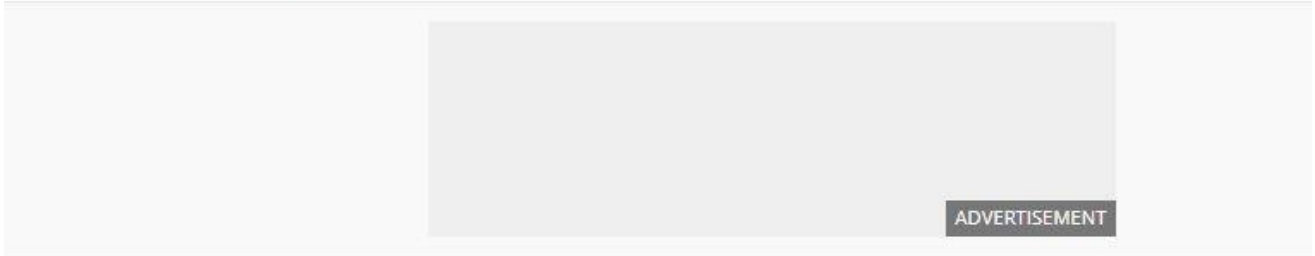
To move the hotel Sinotrans distributed the load on 254 axle lines of Scheuerle SPMT powered by 15 power pack units.

A key challenge was the uneven distribution of the load due to the asymmetrical architecture of the 90 metre long, 35 metre wide and 20 metre high building. Nevertheless, Sinotrans had to level and position the structure with the utmost precision. Furthermore, the experts from Sinotrans had to turn the building clockwise by 63 degrees and subsequently counter-clockwise by 63 degrees during transportation in order to reach the new location.

To master the task, Sinotrans coupled the self-propelled SPMT platform transporters at different angles to each other to form a fan-shaped



## WIND ORCA ON MORAY EAST DUTY



[← Back to overview](#)

# Wind Orca on Moray East Duty

## WIND FARM UPDATE

February 1, 2023, by Adrijana Buljan

**Cadeler's jack-up vessel *Wind Orca* is scheduled to start work on the Moray East wind farm today, 1 February, when major component inspection and repair is set to begin on several wind turbines.**

The work is planned to be done on four potential wind turbines that might need repair. The work is expected to be taking place until 3 March.

According to AIC information available online, *Wind Orca* was still at the Ca...

# SANHA ON TRACK FOR ANGOLA LNG AS SARENS LOADS OUT JACKET

The screenshot shows a web browser interface with a dark top bar containing utility links: 'Show Grayscale Images', 'Browser Extension', 'Enable Notifications', and 'Set Location'. The 'International' dropdown is also visible. Below this is the 'GROUND' logo, a search icon, and a 'Subscribe' button. A navigation menu includes 'Home', 'My Feed', 'Local', 'Blindspot', 'Soccer', 'Cricket', 'Manchester United', and 'South America'. The main article title is 'Sanha on track for Angola LNG as Sarens loads out jacket', with a sub-headline 'Summary by Ground News'. The text describes the loading of a 2,200-tonne jacket onto a barge for Chevron's Sanha project in Angola. Below the text are social media sharing icons for Facebook, Twitter, LinkedIn, Reddit, Email, and Print. At the bottom, there are two panels: 'Bias Distribution' showing '100% of the sources are Center' and 'Insights' stating 'This report's coverage is mostly Center. Share it to spread the word.'



Trends In Globe

BREAKING NEWS, TRENDING STORIES & UPDATES



# Crane Barge Market Booming Worldwide With Leading Key Players - Arya Shipyard, Damen, Donjon Marine,

# SELF-PROPELLED MODULAR TRANSPORTER MARKET SIZE, SHARE, GROWTH STATISTICS BY TOP KEY PLAYERS

## Self-Propelled Modular Transporter Market Size, Share, Growth Statistics By Top Key Players | TII Group, CHINA HEAVY LIFT, Suzhou Dafang Special Vehicle Co.#Ltd., Goldhofer, MAMMOET, Sarens, ENERPAC, Cometto

PRESS RELEASE

Published February 8, 2023

TheExpressWire

The global Self-Propelled Modular Transporter market size was valued at USD 517.66 million in 2021 and is expected to expand at a CAGR of 4.99% during the forecast period, reaching USD 693.5 million by 2027.

Final Report will add the analysis of the impact of Russia-Ukraine War and COVID-19 on this Self-Propelled Modular Transporter Industry.

More from TheExpressWire

1. Shopping Trolley Market Size, Trends, Analysis, Scope, Growth Drivers, By Top Companies|Wanzl GmbH & Co. KGaA, Unarco Industries LLC, NATIONAL CART, Foter
2. Facility Management Market Size, Trends, Analysis, Share, Growth



# SANHA ON TRACK FOR ANGOLA LNG AS SARENS LOADS OUT JACKET

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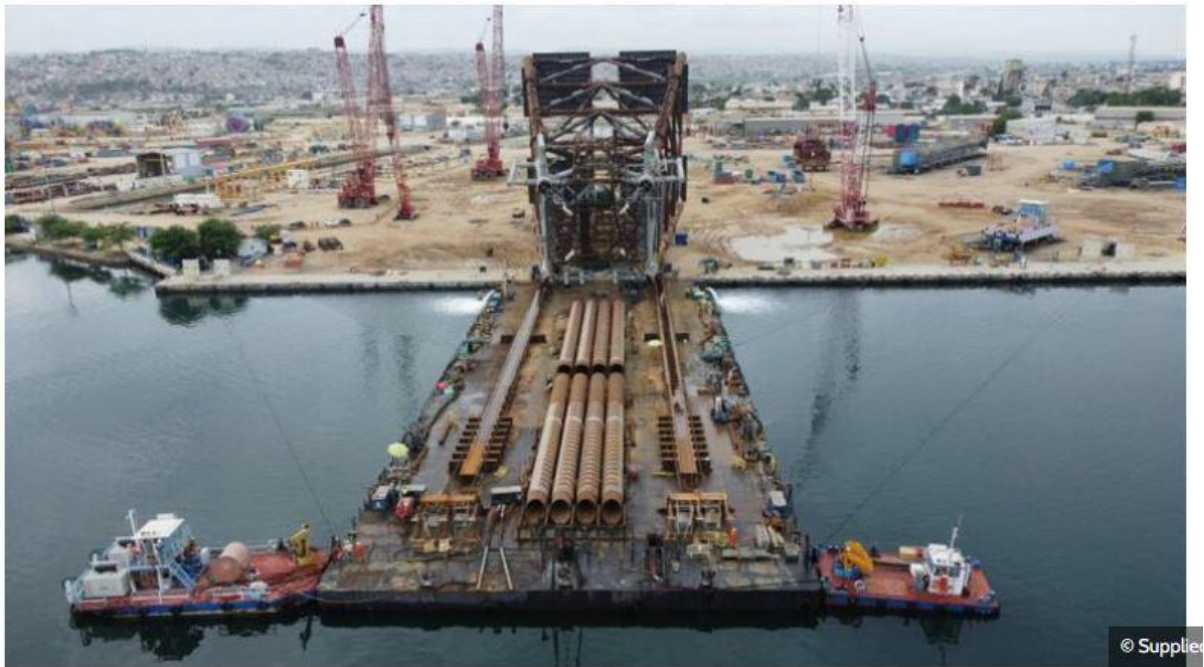
## Sanha on track for Angola LNG as Sarens loads out jacket

SLGC is intended to tackle a projected supply gap at the Angola LNG facility.



10/02/2023, 11:43 am

By Ed Reed





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## VIDEO: Colas and partners complete 740 tonne bridge deck move

13/02/2023

Dominic Browne

Colas has released a video of a major milestone on the A46 Stoneleigh junction improvement project for Warwickshire County Council, showing the successful move of the new 740-tonne bridge deck into position.

The new bridge deck has been constructed off-line in order to reduce disruption and was installed into its permanent position using a deck lift and transportation method over the weekend of 2 January.

Once the construction was complete, the deck was jacked to full height in the off-line area prior to its move, by the experienced team from Sarens.

## PIONEERING PARTNERSHIP FOR TUGDOCK

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# Pioneering partnership for Tugdock

February 16, 2023

390 0



L-R: Lucas Lowe-Houghton (Tugdock); Wim Sarens (Sarens); Carl Sarens (Sarens); Shane Carr (Tugdock)

Tugdock Limited has announced a partnership with Sarens, the global leader and reference in crane rental services, heavy lifting and engineered transport.

To support the further growth of [Tugdock](#), Sarens has invested

## VIDEO: 2,200T JACKET LOADOUT COMPLETED BY SARENS

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### MARINE CONSTRUCTION

## VIDEO: 2,200t jacket loadout completed by Sarens

16/02/2023



A 37m, 2,200t jacket was successfully loaded out by Belgian civil engineering firm Sarens for its Angolan client

# SARENS TAKES STAKE IN UK TECHNOLOGY START-UP TUGDOCK AS FRENCH FLOATING WIND DEBUT NEARS

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## Sarens takes stake in UK technology start-up TugDock as French floating wind debut nears

Belgian contracting giant makes investment in Cornwall-based outfit developing modular industrial dock concept expected to slash cost of building deepwater projects

16 February 2023 8:57 GMT *UPDATED 16 February 2023 8:57 GMT*

By [Darius Snieckus](#)

## SARENS BUYS INTO TUGDOCK

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NEWS EVENTS DIRECTORY JOBS

### NEWS

17.02.2023

## Sarens buys into Tugdock

Belgian international crane, heavy lift and haulage company Sarens has invested in UK start up business Tugdock, as part of a larger scale partnership.

Incorporated in 2018, and based in Falmouth, Cornwall, Tugdock has patented and produced an innovative floating solution to lift vessels and floating structures from the water. The technology enables heavy marine structures to be built or assembled and loaded out in ports with water depth or space restrictions. The Tugdock submersible platform is modular, and comes in a range of deck sizes from 12 metres square up to 120 metres square, with a lift capacity up to 35,000 tonnes. It is also easy to transport by road, easy to erect, and completely reusable. It is able to lift vessels and other floating structures clear of the water at a fraction of the cost of standard dry docks. A key application is offshore wind construction.



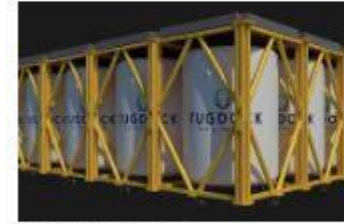
# SARENS INVESTS IN CORNISH FLOATING PLATFORM



Home News Stories Analysis Cornish floating platform

## Sarens invests in Cornish floating platform

© 17 Feb Belgian heavy-lift specialist Sarens has invested in a Cornish start-up company in the floating offshore wind industry.



© Sarens, Tugdock's floating dry dock system

Tugdock Limited has developed what it describes as the world's first road transportable floating dry dock.

Few ports have sufficient water depth and assembly space to build the floating substructures required for offshore wind turbines and conventional dry docks are not generally wide enough as they are designed for ships.

Tugdock's patented marine buoyancy bag technology allows floating dry docks to be delivered by road in modular form and assembled at the port to greater dimensions than most existing dry docks. The system comprises a modular joined steel frame with air bags and an air compressor. By combining these into a deck structure, Tugdock can be used as additional buoyancy or as a submersible platform for lifting or launching heavy marine structures, including substructures for floating offshore wind.

Tugdock has caught the attention of Sarens, which has bought a minority stake from founder Shane Carr to support the growth of both companies in

the floating offshore wind industry.

Tugdock business development director Lucas Lowe-Houghton explained: "The floating offshore wind sector is expected to continue to grow rapidly. However, very few of the world's ports have sufficient water depth and assembly space to build the huge turbine floaters required and conventional dry docks are not wide enough as they were originally designed for ships. Tugdock's patented marine buoyancy bag technology solves this issue. It allows floating dry docks to be delivered by road in modular form and assembled at the port to dimensions far wider than most of the world's existing dry docks."



He continued: "Our submersible floating dry docks can operate with as little as five metres draft, enabling more efficient wind turbine floater construction. The platform is then towed to deeper water for launching of the turbines. More than 9% of the total cost of a floating offshore wind farm is accounted for by assembly and installation. So, any innovation that allows this process to be carried out more efficiently and quickly will have a big impact on profitability for developers."



More than 20 gigawatts of floating offshore wind power is expected to be commissioned globally by 2030, requiring more than 2,000 wind turbines.

Sarens technical director Carl Sarens said: "Through this partnership with Tugdock, we are able to streamline the solution we offer to developers. By significantly reducing time and costs, our alliance will deliver a step change for wind turbine construction. In addition, Tugdock's flexibility and reusability is useful to global developers as the units can be reused from one port or project to another regardless of changes in turbine size or foundation weight."

Tugdock chief executive Shane Carr said: "Working in partnership with a large multinational such as Sarens will accelerate our development, enabling further innovation to keep us at the forefront of the floating offshore wind industry."



# SARENS SKIDS AND LOADS-OUT 2,200-TONNE JACKET IN LOBITO, ANGOLA



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## Sarens skids and loads-out 2,200-tonne jacket in Lobito, Angola

Sponsored by Sarens | 15 February 2023



Sarens was asked to plan, coordinate, and execute the skidding and load-out of a jacket for our trusted client Sonamet.



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# SARENS INVESTS IN TUGDOCK LIMITED

The screenshot shows the WindTECH International website. At the top left is the WindTECH International logo. To the right is a banner for 'Remote Payroll Management' with a 'Learn More' button. Below the logo is a navigation bar with links for 'Subscribe', 'Magazine Profile', 'Advertising', 'Previous Issues', and 'Contact Us'. A dark blue banner for 'Lidars' with a 'Find out more' button is positioned below the navigation. The main content area features a 'Latest Issues' section with a thumbnail for 'Repair of Wind Turbine Blades'. A 'Follow us on Twitter' button is also present. The main article is titled 'Sarens invests in Tugdock Limited', published on 16 February 2023. It includes social sharing buttons for Facebook, Twitter, and LinkedIn. The article text describes the investment and the technology used by Tugdock. A photo shows four men shaking hands in front of a wind turbine. Tags include 'Tugdock', 'Sarens', 'floating wind', 'offshorewind', 'UK', and 'dry dock'. Navigation buttons for 'Prev' and 'Next' are at the bottom of the article. A 'Related Articles' section lists other news items.

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## Sarens invests in Tugdock Limited

Published: 16 February 2023

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To support the further growth of Tugdock, Sarens have invested in the start-up company, which is based in Cornwall, UK. The partnership will enable the two companies to offer a solution to the fast-growing floating offshore wind industry.

Very few of the world's ports have sufficient water depth and assembly quay space to build the turbine floaters required and conventional dry docks are not wide enough as they were originally designed for ships. Tugdock's marine buoyancy bag technology allows floating dry docks to be delivered by road in modular form and assembled at the port to dimensions far wider than most of the world's existing dry docks. The submersible floating dry docks can operate with as little as 5 metres draft. The platform is then towed to deeper water for launching of the turbines.

Tags: [Tugdock](#) [Sarens](#) [floating wind](#) [offshorewind](#) [UK](#) [dry dock](#)

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# MOBILE CRANES RENTAL MARKET : AN EXCLUSIVE STUDY ON UPCOMING TRENDS AND GROWTH OPPORTUNITIES

DIGITAL JOURNAL

SOCIAL MEDIA LIFE TECH & SCIENCE WORLD BUSINESS SPORTS

## Mobile Cranes Rental Market : An Exclusive Study On Upcoming Trends And Growth Opportunities from 2023-2029

PRESS RELEASE

Published February 19, 2023

[TheExpressWire](#)

Mobile Cranes Rental Market Analysis 2023 | by Product Type (, All Terrain Crane, Crawler Crane, Rough Terrain Crane, Truck Loader Crane, Others, ), Application Type (, Construction, Industrial, Mining & Excavation, Marine & Offshore, Oil & Gas, Others, ), Major Key Players (, Buckner Heavylift Cranes, LLC and more) Business Opportunities, Pricing Strategy, Forthcoming opportunities planning, Market-specific challenges, Globally Market Key Facts are covered in this report by 360 Market Updates | 127 Report Pages

[Mobile Cranes Rental Market 2023](#) with 127 Pages Report and enhance with extents shares into sub-counties are covered in this market. Mobile Cranes Rental Market conditions can be influenced by a wide range of factors, including economic policies, geopolitical events, and technological developments.

Browse Market Size, charts, tables and figures extent in-depth TOC with 127 Report Pages on Mobile Cranes Rental Market by Application (, Construction, Industrial, Mining and Excavation, Marine and Offshore, Oil and Gas, Others, ), by Type (, All Terrain Crane, Crawler Crane, Rough Terrain Crane, Truck Loader Crane, Others, )

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# CRANE RENTAL MARKET SIZE TO GROW BY USD 13.02 BN FROM 2022 TO 2027

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S&P 500: 4,009.09 (+0.02%) | Dow 30: 33,802.95 (+0.02%) | Nasdaq: 11,525.37 (+0.02%) | Russell 2000: 1,901.96 (+0.02%) | Crude Oil: 75.97 (-0.41%) | Gold: 1,823.90 (+0.02%)

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VISION

## Crane rental market size to grow by USD 13.02 bn from 2022 to 2027; Evolving Opportunities with Action Construction Equipment Ltd., ALL Crane among others - Technavio

Thu, February 23, 2023 at 9:00 AM GMT+5:30 | 17 min read



NEW YORK, Feb. 22, 2023 /PRNewswire/ -- The crane rental market size is forecasted to increase by USD 13.02 billion from 2022 to 2027, at a CAGR of 4.93%, according to a recent market study by Technavio. The growth of the market will be driven by the growth in end-user industries due to urbanization, the growth of the construction industry, and a rise in demand for oil and natural gas globally. The report also includes historic market data from 2017 to 2021. In 2017, the crane rental market was valued at USD 13.02 billion. **Charts & data tables about market and segment sizes for a historic period of five (2017-2021) years have been covered in this report. Download the sample report**



Technavio has announced its latest market research report titled Global Crane Rental Market 2023-2027.

Technavio has extensively analyzed 15 major vendors, including Action Construction Equipment Ltd., ALL Crane, Bigge Crane and Rigging Co., Bothar Boring & Tunnelling Operations, Buckner Heavylift Cranes LLC, Falcon tower crane services Ltd, Lampson International LLC, Leavitt Cranes, Mammoet, Maxim Crane Works L.P, Prangl Gesellschaft M.B.H, Rapicon Inc, Sarens NV, Skycrane, Starlog Enterprises Ltd., Tat Hong Holdings Ltd., Titan Cranes and Rigging, United Crane and Rigging, United Equipment Group, and WASEL GmbH

### Key benefits for industry players & stakeholders -

- The report offers information on the criticality of vendor inputs, including R&D, CAPEX, and technology.

Quick Lookup

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**Matthew Ord**

Senior Digital Staff Writer



# TRANSPORTABLE DRY DOCK FIRM BACKED BY SARENS

20 Feb 2023 | South West | Deals



A company behind a road transportable floating dry dock used by developers and ports in the floating offshore wind industry has secured investment from Sarens.

## 8 LARGEST CRANES IN THE WORLD

LARGEST.ORG

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## 8 Largest Cranes In The World

February 23, 2023 by Nancy Levin



When it comes to technology and tools, the construction industry has gone a very long way in recent decades. The crane is one of the most essential pieces of equipment when it comes to the construction of massive buildings.

These enormous robots can easily move incredibly large items and position them exactly where they are required. A diverse selection of cranes is available, each with a set of skills and characteristics that are exclusive to itself.

While some are more compact and suited for confined quarters, others are created specifically for expansive open areas. Many of the world's biggest cranes are installed on enormous barges or platforms to maintain their immense weight.

Despite their size, these cranes are intended to lift in confined locations and difficult

# NELSON MANDELA BRIDGE OPEN AGAIN FROM THURSDAY

The newspaper Video Podca

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## Nelson Mandela Bridge open again from Thursday

Jan 24 2023 inland



**ZOETERMEER** - After being closed for almost two months, the Nelson Mandela Bridge in Zoetermeer will reopen from Thursday evening at 7 p.m. A spokesperson for the municipality confirmed this after reporting from Omroep West. The bridge had been closed since December due to a possible risk of collapse.



# GEBOUW VAN DE MAAND: DE NELSON MANDELABRUG, DE BOUW (DEEL 2)



## Gebouw van de maand: De Nelson Mandelabrug, de bouw (deel 2)

Gebouw van de maand

Zoetermeer kent unieke architectuur waar de meeste mensen onwetend langslopen. In de serie 'Het gebouw van de maand' laat ArchitectuurPunt Zoetermeer verschillende bijzondere gebouwen zien. Deze maand het tweede deel over de karakteristieke Nelson Mandelabrug. Na de bouw van de overdekte voetgangersbrug in de jaren zeventig waren er volop plannen voor grootschalige kantoorontwikkeling en een nieuwe brug over de A12.

Wel plannen, maar nog geen bouwactiviteiten en het jaar 1992 naderde: de Floriade in Zoetermeer. "Vooral de overbouw, maar ook het stationsplein zullen voor het functioneren van de Floriade van essentiële betekenis zijn." In deze zinsnede uit een notitie uit 1985 werd de urgentie om te gaan ontwerpen en bouwen duidelijk. De gemeente Zoetermeer koos ervoor om de overbouw te laten ontwerpen door NS-architect Hans Bak; hij ontwierp de kleurrijke Mandelabrug inclusief het station Zoetermeer-west.



## Volg ArchitectuurPunt

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## Nieuwsbrief

Op de hoogte blijven van alle activiteiten?

Schrijf je dan hieronder in voor de nieuwsbrief.

Voornaam

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## SUCCESVOLLE SPOEDREPARATIE DANKZIJ VERTROUWEN EN HARMONIE



Foto Remco  
Koers

**Het is begin december 2022. Benny Nieswaag geniet van zijn weekend als plots enkele dringende appjes op zijn telefoon binnenkomen. In de Nelson Mandelabrug over de A12 in Zoetermeer zijn gevaarlijke scheuren gevonden en de brug dreigt zelfs te bezwijken bij strenge vorst. Er is geen tijd te verliezen: de brug moet onmiddellijk veilig worden gemaakt en wel vóór het einde van het jaar. Een omvangrijke spoedoperatie treedt in werking.**



# Hoe staat het met de Nelson Mandelabrug?



Francis  
Kleijwegt

30 november 2023, 07:00 •

4 minuten leestijd



Afgelopen kerstvakantie werd de Nelson Mandelabrug weggetakeld

© ANP

**ZOETERMEER - Het herstel van de Nelson Mandelabrug in Zoetermeer gaat nog jaren duren. Mogelijk nog vier jaar. Dat laat de gemeente Zoetermeer weten.**

**Aanstaande zaterdag is het een jaar geleden dat de brug over onder meer de A12 en het treinspoor op stel en sprong werd gesloten vanwege instortingsgevaar en een deel van de brug met spoed werd vervangen.**

## RENOVATIE NELSON MANDELABRUG



### RENOVATIE NELSON MANDELABRUG

Binnen acht dagen een plan, na acht weken weer  
in gebruik

© JOZEFMEER | P 0033-002 | B BENSCHTE | R 1076

Met Ingang van 2 december 2022 werd de Nelson Mandelabrug uit veiligheidsoogpunt afgesloten voor al het verkeer. De brug bevatte scheuren. Sarens Mandelabrug - een combinatie van Dura Vermeer en Hollandia - heeft de brug daarom voor een deel ontmanteld. Het brugdeel over de rijksweg A12 is in z'n geheel - inclusief glazen overkapping - vervangen en de brugdelen over het spoor en de

# MAKING A PLAN FOR DISMANTLING A BRIDGE WITHIN A SHORT TIME FRAME?



"Making a plan for dismantling a bridge within a short time frame? No problem for DDM!"



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## Dismantling Nelson Mandelabrug

**Making a plan for dismantling a bridge within a short time frame? No problem for DDM! When DDM was asked to write a plan for dismantling the Nelson Mandela Bridge in combination with Dura Vermeer, Hollandia Services and Sarens, there was no hesitation.**

The Nelson Mandela Bridge, commissioned in the early 1990s, is an important connection for the city and the only way to get to Zoetermeer station. In addition, the A12 also runs under the bridge. However, the bridge section above the A12 had to be removed due to doubts about its safety.

## DISMANTLING



### Location

Zoetermeer, Nederland

### Object

Brug

### Deployment

- Dismantling specialists
- Excavators

# SUCCESSVOLLE SPOEDREPARATIE MANDELABRUG DANKZIJ VERTROUWEN EN HARMONIE



Rijkswaterstaat  
Ministerie van Infrastructuur en Waterstaat

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ing

Zakelijk

Over ons

Nieuws

Zoeken

## INTERVIEW

# Succesvolle spoedreparatie Mandelabrug dankzij vertrouwen en harmonie

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Begin december 2022 vonden we gevaarlijke scheuren in de Nelson Mandelabrug over de A12 in Zoetermeer. Er is geen tijd te verliezen: de brug moet onmiddellijk veilig worden gemaakt.

Een omvangrijke spoedoperatie treedt in werking.



# STATION ZOETERMEER WEER OPEN

ProRail

Wonen

Reizen

Levenswijzer

Samenwerken

Vacatures

Meer

Zoeken

Nieuws

Actueel

## Station Zoetermeer weer open

49 Lees voor  
26 januari 2022



De nieuwe Mandelabrug in Zoetermeer is vanaf donderdag 26 januari, 19:00 uur, weer open. Voerpassagiers en fietsers kunnen weer gebruik maken van de brug en treinen stoppen weer op station Zoetermeer. Reizigers hoeven niet langer niet de bus.

### Keihard gewerkt

Begin december werd de nieuwe Mandelabrug acuut afgezet om vanwege mogelijk instortingsgevaar. De brug van gemeente Zoetermeer is een belangrijke verbinding voor de stad en de enige manier om op station Zoetermeer te komen. Ook de RandstadRail en de A12 gaat onder de brug door.

Iedereen werkte samen om het probleem zo snel mogelijk te verhelpen.

— Helga Cuijpers, regiodirecteur bij ProRail

### Blij dat de brug weer open kan

"De afgelopen weken is door alle betrokken partijen keihard gewerkt om de brug te herstellen. Gemeente, Rijsoverstuur, politie, brandweer, NS, ProRail, iedereen werkte samen om het probleem zo snel mogelijk te verhelpen." zegt Helga Cuijpers, regiodirecteur ProRail. De overkapping is dicht verwijderd en de brug is versterkt met een nieuwe ondersteuning. "We zijn ontzettend blij dat de brug weer open kan en reizigers weer gebruik kunnen maken van dit station."

De eerste treinen halteren vanaf 19:00 uur. RandstadRail rijdt vanaf vrijdagochtend weer.

