

Heavyweight News 21

Dear reader,

We are yet again proud to show you a selection of Sarens' worldwide achievements: from rental work to total solution projects. In the meantime the Sarens fleet keeps on growing, with KAMAG's thousandth axle line being one of the latest additions.

Our focus on safety continues, striving for zero accidents. Congratulations to Sarens France, which recently renewed its ISO 9001 certification and obtained the OHSAS 18001 certification.

Some changes took place to make our organization as efficient as possible. An example of this is the separation of Sarens Belgium's contracting activities, which will now operate independently under the name Samoco.

Enjoy reading the exciting projects displayed in this new edition of Heavyweight News!

Wim Sarens - CEO Sarens Group



LOCATION

FLAMANVILLE - FRANCE

EQUIPMENT USED

SGC-120

SGC IN FLAMANVILLE

Sarens Projects

The SGC-120, or Big Benny, is currently working at the nuclear site of Flamanville, a third generation EPR reactor. Last July, an eagerly-awaited milestone took place: the installation of the dome on the reactor building. This spectacular operation in terms of both tool size and positioning accuracy required one of the most powerful cranes in the world: the SGC-120. At a height of 200m (twice as high as the Statue of Liberty) and a 130m radius, "Big Benny" lifted the dome of the Flamanville EPR reactor building, which weighs 260t and has a diameter of 43m. The installation of the dome required a four month preparation period and involved 30 employees from EDF - Bouygues Construction and Sarens' project and engineering team. The EPR is scheduled to start producing electricity in 2016 and will have a capacity of 1.650 MW, enough to supply power to 1,5 million people.



LOCATION

SAN GIORGIO DI NOGARO - ITALY

EQUIPMENT USED

Barge Paula; 4 x 30 axle lines SPMT's; winches; ballast pumps; ramps

NEW LOCK DOORS FOR PANAMA CANAL

Sarens Projects

Sarens transports the 16 new lock doors of the Panama Canal. The gigantic doors (with weights between 1.900t and 4.300t and measuring 58,7m x 10m x 34,7m) are moved with SPMT's onto Sarens' barge Paula at the factory in San Giorgio di Nogaro (Italy). The doors are then brought to an STX sea-going vessel in Trieste. At their arrival in Panama all 16 lock doors will be unloaded with SPMT's at the Atlantic side of the Canal. Later eight of them will be brought

to the Pacific side, thus crossing the Panama Canal. Sarens' intensive engineering preparations included barge stability, ballast and mooring calculations as well as deliberations with both the port authorities of Trieste and Nogaro. The locks are part of a new lock complex that is being built in a separate bypass next to the existing locks. The new system will result in an increased lockage capacity, a shorter maintenance time and the possibility to receive larger vessels.



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LOCATION

SEMBAWANG SHIPYARD - SINGAPORE

EQUIPMENT USED

12 x 600t skidshoes; 12 x 12" hydraulic submersible ballast pumps

LAUNCH OF INVESTIGATOR

Sarens Projects

The new Australian Oceanographic research ship "Investigator", under construction in Singapore, required a special launching technique due to the fragile sonar gondola fitted under the hull of the vessel. Sarens used 12 units 600t hydraulic skid shoes to skid the 4.500t ship onto a barge that was ballasted using 12 units 1.000m³/hr hydraulic submersible ballast pumps. The barge loaded with the ship was brought into a drydock which was then flooded. After completely filling the barge with water it was very carefully floated and thus launched.



BATANGAS

Sarens Projects

LOCATION

BATANGAS - PHILIPPINES

EQUIPMENT USED

CC 2500-1; LR 1350-1; CKE 2500; smaller mobile cranes

Sarens' lattice boom cranes were brought into action at the AG&P Module yard in Batangas, operating for a GLNG plant in Gladstone (East coast of Australia).



WASIT PROJECT

Sarens Projects

LOCATION

WASIT - KINGDOM OF SAUDI ARABIA

EQUIPMENT USED

SCT; CC 8800-1; 3 x CC 2800-1; CC 2400; full range of telescopic and smaller crawler cranes

The work is on-going in the Arabian desert! Sarens has completed all heavy lifts on Package 4 and has shifted its focus to Package 3. Soon, the very heavy lifts will arrive on site and will be erected with our unique Sarens Climbing Towers (SCT). Stay tuned for more regarding these super heavy lifts!



LOCATION

KOTA - INDIA

EQUIPMENT USED

LR 1800

ERECTION OF AMMONIA ABSORBER

Sarens Projects

Sarens India was awarded the contract for the Erection of a 350MT ammonia absorber. As the length of the equipment was 60m, the LR 1800 was configured in SDB 77m for the erection. A 400t crane was used as the tailing crane. Chambal Fertilizers and Chemicals Limited is one of the largest private sector fertilizer producers in India, with two hi-tech nitrogenous fertilizer (urea) plants in Kota, India. The two plants produce about 2 million metric tonnes of urea per annum.



STATOR REPLACEMENT

Sarens Projects

LOCATION

NAGPUR - INDIA

EQUIPMENT USED

418t Strand Jack; gantry system; skidding system; swivel

Sarens India was awarded a contract for the replacement of a 181t stator with a new identical stator at Koradi Thermal Power Station. The main challenge was to perform this critical de-erection and erection at an elevation of 10m in an operational 40 year old power plant.





LOCATION

ROTTERDAM - THE NETHERLANDS

EQUIPMENT USED

CC 2800-1; AC 500-2; 16 axle lines SPMT's

Sarens Projects

EXCHANGE OF TEXAS TOWER

Sarens the Netherlands was awarded the contract by Kuwait Petroleum for the exchange of a column (the Texas Tower). The old tower measured 26m long, had a diameter of 4,2m and weighed 136t. The new tower had a weight of 161t. A CC 2800-1 with 66m main boom in SSL configuration lifted the columns, with the help of a 500t tailing crane. The internal transport was performed by 16 axle lines SPMT's.



VENTSTACK INSTALLATION

Sarens Projects

LOCATION

ALKMAAR - THE NETHERLANDS

EQUIPMENT USED

LTM 11200-9.1;
SENNEBOGEN 5500 R-SL

At a gas processing installation under construction Sarens placed a so-called ventstack that will be used to vent gases in case of eventual calamities. The ventstack was delivered in four parts, then aligned and welded together prior to the installation. The ventstack with a total length of 80m and a weight of almost 110t was lifted onto the foundations with an LTM 11200-9.1 and a Sennebogen 5500R-SL. Construction of the installation will continue during the next months with the placement of various tanks and vessels.



Sarens Rental

LOCATION

MONTELIBANO - COLOMBIA

EQUIPMENT USED

350t crane; 80t crane;
40t crane

CERRO MATOSO NICKEL MINE

The Cerro Matoso nickel mine, located in Montelíbano, Córdoba Department of northern Colombia, combines a lateritic nickel ore deposit with a low cost ferronickel smelter. It is the world's second-largest producer of ferronickel and boasts some of the lowest costs.

Sarens Colombia worked at the Cerromatoso mine with a 80t crane for three months in 2013. The main work consisted of the rental of equipment for load lifting and assembly.



LOCATION

BAHRAIN

EQUIPMENT USED

17 Terex mobile cranes

Sarens Rental

15 YEAR CONTRACT WITH SAUDI ARAMCO

In January 2013 Abdulla Nass & Partners Co. Ltd (ANPC), the JV entity in the Kingdom of Saudi Arabia between Sarens and the Nass Group from Bahrain, secured a 15 year contract with Saudi Aramco, the world's largest oil company. Known as Sarens Nass Middle East in Bahrain, ANPC has a long history of trading with Saudi Aramco and managed to secure a contracting agreement some 50 years ago. This year sees the 50th Anniversary of the Nass Group and the 10th anniversary of Sarens Nass Middle East. The contract requires ANPC to supply 17 brand new units of Terex mobile AT cranes and maintain them for a duration of 15 years. ANPC is further required to operate 12 of the cranes 24 hours a day. All these 12 cranes are to be located in the Southern Gas Well area undertaking maintenance works on some 6.000 existing gas wells. All cranes are supplied to Saudi Aramco's exacting high standards and are inclusive of power line warning systems and additional desert AC's to cope with the 50c plus heat.



Sarens Projects

MUSCAT INTERNATIONAL AIRPORT

LOCATION

MUSCAT - OMAN

EQUIPMENT USED

CC 8800-1; CC 2800-1; approximately
30 cranes ranging from 50 to 300t

A first for Sarens in the magnificent Sultanate! There is more to Oman than the white sandy beaches in the south of Muscat or the tropical weather of Salalah. The Sultanate is also a growing country with ambitious plans to become a key player in the Middle East. Sarens is participating to that growth by providing high capacity crawler cranes for the construction of Muscat International Airport. Not only is it the biggest project of its kind in the region, it is also one of the most beautiful and complex pieces of architecture known to man!





LOCATION
EQUIPMENT USED

MACKAY - AUSTRALIA
104 axle lines SPMT's

Sarens Projects

MODULES LOAD-OUT

Load-in and load-out operations in China and Hay Point, Australia, of coal terminal modules.



LOCATION
EQUIPMENT USED

PORT KEMBLA - AUSTRALIA
LR 1350/1; LR 1400/2

PORT KEMBLA

Sarens Projects

For the expansion of Cement Australia, an industrial recycler turning waste into fuel and cement, Sarens used a LR 1350 and a LR 1400 with derrick to lift modules for the new facility.



LOCATION
EQUIPMENT USED

RUSTENBURG - SOUTH AFRICA
CC 2800-1; LTM 1400-7.1

BAKUBANG MINE

Sarens was hired to assemble the entire main shaft for the Royal Bakofeng Platinum Wesizwe Mine. The total shaft height after completion was 82,7m and the highest lift weighed 233t at 62m. All of the lifts were installed in modules.

Sarens Projects



MOBILE CRANE DIVISION

Multi lift in the Liebherr yard in Perth West Australia with 3 mobile cranes of the new Sarens Mobile Crane Division, created January 1, 2013.

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SC&RA HAULING JOB OF THE YEAR AWARD

The Specialized Carriers and Rigging Association (SC&RA) has presented Sarens with its prestigious Hauling Job of the Year award for the transport of the US Space Shuttle Endeavour (see HWN 20). After a presentation which included a video outlining the historic move through Los Angeles, the judges at the annual SC&RA convention chose the Sarens team for this award because of its outstanding innovation, planning, preparation and execution of the once-in-a-lifetime project.

Depicted left to right: Patrick Settle (President / CEO Sarens USA), Michael Battani (SC&RA Chairman)



THOUSANDTH KAMAG K24 AXLE LINE DELIVERED TO SARENS

With the delivery of the thousandth axle line on June 27, 2013, Sarens is continuing its steady growth. Ludo Sarens, President of the Board: "Having reliable vehicles at our disposal is the most important thing as we have to rely 100 % on our equipment. Therefore, we continue to strengthen our fleet with KAMAG modular transporters." The high-performance K24 modular transporter is used for moving large industrial installations, transportation of complete bridges or other large components. Loads ranging from 10.000 to 15.000t are no longer uncommon.



INTERMODAL BRAZIL

Sarens together with Flanders Investment and Trade was present at Intermodal, the largest logistics exhibition in Latin America. Belgian Minister of Foreign Affairs and Foreign Trade Didier Reynders (depicted right) visited our stand and discussed the expansion of Sarens in Brazil with Fernand Meysmans, Country Manager Sarens Brazil (depicted left).



STRATEGIC PARTNERSHIP WITH REBO

Sarens and REBO (Renewable Energy Base Oostende) have entered into a strategic partnership, resulting in a synergy of know-how and capability. REBO is a terminal located in Ostend, Belgium, dedicated to onshore logistics for offshore wind projects. After REBO served as central logistic hub for the Thornton Bank II project in 2012 with multiple Sarens cranes amongst which a CC 6800, both partners will join operational and commercial forces for the high quantity of large-scale offshore wind projects that will come up in the near future in that area!

Depicted FLTR: Peter Libert (Area Sales Manager Sarens), Hendrik Sarens (Member of the Board Sarens), ir. Paul F Gerard (Port of Oostende), Emmanuel Timmermans (Business Development Manager REBO).



LOCATION

BASRA - IRAQ

BELGIAN AMBASSADOR VISITS SARENS IRAQ

Sarens has an office in the Basra region of Iraq, where Sarens is locally present with almost 100 employees of which 95% are Iraqi's. Sarens Iraq has its own premises with an office building, maintenance facilities, training center and lay down area / yard.

Thomas Baekelandt, the Belgian Ambassador for Iraq in Jordan (depicted fourth on the right), paid a visit to Sarens Iraq and was impressed with the workshops and the yard.



LOCATION

BREMERHAVEN - GERMANY

EQUIPMENT USED

4 x 40 axle lines SPMT's

Sarens Projects

MEERWIND TOPSIDE

The offshore wind farm Meerwind includes 80 x 3,6 MW turbines. Sarens performed a successful load-out of the topside weighing 1.680t. The substation consists of electrical equipment transforming the 33.000V electrical power produced by the Offshore Wind Turbines into 155.000V. This higher voltage facilitates the electrical power transport. A 53km subsea cable connects the wind farm to the German terrestrial electrical grid.



"Sarens is always the first team to come up with solutions. They are passionate to overcome and cooperate with site situations. Their specialists not only operate the heavy equipment in a safe and effective way but they also expedite the lifting works needed to be done on secluded time without delay."

(Jong-Hoon Lim, Site Manager, Daelim)



LOCATION

SHOAIBAH - KINGDOM OF SAUDI ARABIA

EQUIPMENT USED

Sarlift; Strand Jacks; CC 2500-1;

CC 2800-1; SPMT's; telescopic cranes

Sarens Projects

SHOAIBAH COMBINED CYCLE POWER PLANT

Sarens is currently executing all heavy lifting and on-site transportation works for the Shoaibah CCGT Phase II Project. This 18-months contract for the Group involves the lifting and installation of 10 Gas Turbines with the Sarlift, 10 HRSG bundles with Strand Jacks as well as all generators, steam turbines and stacks with cranes. With a strong team work, the first milestone of the plant – open cycle – has been reached on time. A first in the Kingdom!

*Sarens Projects*

EXCHANGE OF OVERHEAD CRANE

LOCATION

GHENT - BELGIUM

EQUIPMENT USED

Sarlift; 2 x 6 axle lines SPMT's

Sarens performed the exchange of a 30m overhead crane weighing 136t. Four Sarlift towers on top of SPMT's were used to rotate and lower the overhead crane, so that another overhead crane could pass over it. The first one was then again lifted with the Sarlift, rotated and positioned. The operation took only four hours thanks to the good performance of the Sarens team.



LOCATION

RUSSELLVILLE, ARKANSAS - USA

EQUIPMENT USED

Stator Lift System; 24 axle lines SPMT's

Sarens Projects

GENERATOR STATOR REPLACEMENT

Sarens utilized its new Stator Lift System (SLS) to successfully place a Siemens generator stator at the Arkansas Nuclear One power plant. The scope of work included detailed engineering, design and fabrication of equipment, furnishing lifting and transport equipment, and labor and supervision for transporting the 530t stator from a temporary storage location to the turbine building, lifting the stator using the SLS and placing it on its foundation.



LIKE US ON FACEBOOK AND WIN!

Discover the official Sarens Facebook page "Sarens", like the post "Win the SGC-120 scale model" and have a chance to win a scale model of the SGC-120! This exact replica of our unique Sarens Giant Crane measures no less than 2,6 m. One winner will be drawn on December 2, 2013. Good luck!

Colophon

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