



## Heavyweight News from Sarens

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Dear Reader,

Sarens is a company "on the move" and we want to stay loyal to our quality standards. Our international expansion requires a lot of energy of our organisation and of our Fleet Service. We realise that we, as a company, do not only have to invest in equipment but also in management.

In our Fleet Service department we installed new structures and hired extra staff. The goal of this department is to support all entities and projects worldwide and to become a specialized department that can give information and support in a quick and efficient way. Our mission is to have a maximum equipment availability with minimal costs.

"Once again we are proud to announce that the Sarens Group opens 2 additional offices, one in Greece and one in Serbia Montenegro with the same goal: to serve you always better all over Europe."

Enjoy this fourth edition of **Heavyweight News**.

Ludo Sarens

### FEATURED PROJECTS & COMPANY INFO

Petrochemical: Towerlift in Gonfreville, France

*Projects in The Netherlands*

- Transport of a house of 287 ton
- Placing a "prefab" conference room 330 ton connected to the side of an existing building
- Jacking and transport of concrete bridge parts

Luxury cruiser lift, Tomago shipyard Newcastle, Australia

*Projects in Mexico:*

- Heavy lifting in petrochemical
- Heavy lifting in cement industries

Sarens links Sweden with Norway: The Svinesund Bridge

Serbia Montenegro and Greece new European Sarens Joint Ventures

5 MW Wind Turbines in Emden & Bremerhaven

Replacing a flare tip & molecular seal for BRC Antwerp

Cement plant in Rugby, England

Sarens brings "Powerful" support to Bangladesh

**Company info:** Algerian team & projects

### Petrochemical: Towerlift in Gonfreville, France [\[top\]](#)

Customer: Technip La Défense - France  
 Location: Site Total Gonfreville  
 Equipment Used: SARTOWER, SPMT's as tailing equipment, Demag CC 2800 + hydraulic cranes

Last year TECHNIP FRANCE decided not only for "economic reasons" but mainly for "safety", to go for the SARTOWER concept to lift their major 1350T reactor on the Gonfreville – Total site in France.

"Economic reasons" as the SARTOWER supports can easily be incorporated in the basic reactor foundation and the bracing concept does not ask for costly anchoring.

"Safety reason" as the push-up operation takes place at ground level and no tools, personnel nor hydraulics are positioned on top of the tower or lifting beams. The concept is in the lift as similar SARTOWER lifts will take place soon in Asia and Africa.



### Projects in The Netherlands - Transport of a house of 287 ton [\[top\]](#)

Customer: Smitjesland Lent bv  
 Location: Lent - Nijmegen  
 Equipment used: Kamag 24 axle lines / 6 x jacks of 100 ton



### Projects in The Netherlands - Placing a “prefab” conference room 330 ton connected to the side of an existing building [top]

Customer: Heijmans IBC Bouw Rotterdam bv

Location: Rotterdam

Equipment used: Demag CC2800 – Liebherr LR 1750 both with superlift



### Projects in The Netherlands - Jacking and transport of concrete bridge parts / station Ternoot max. 1.000 ton [top]

Customer: Bam Civiël bv

Location: Den Haag

Equipment used: 11 x jacks 600 ton, 98 axle lines Kamag



### Luxury cruiser lift, Tomago shipyard Newcastle, Australia [top]



Customer: Forgacs Shipyards pty Ltd  
Location: Tomago Shipyard, Australia  
Equipment: CC2800

Early December 2004, Sarens – Translift was appointed by Forgacs Shipyards pty Ltd. to lift a 41-meter long luxury cruiser that had slid sideways while being launched in the water. The weight of the cruiser: 130 ton.

The cruiser first had to be lifted on supports positioned on the quay of the Tomago Shipyard, in order to enable the necessary repair works. Subsequently, the cruiser was ready to be lifted into the water.



### Projects in Mexico - Heavy lifting in petrochemical [top]



Customer: Kepler/Mitsubishi + Pemex  
Location: Coatzacoalcos - Pemosa site  
Equipment used: LR 1800, SPMT's, CC2400, AC1600

Recently in a plant upgrade for PEMOSA in Coatzacoalcos, Sarens Ojeda was awarded the contract to load, transport and install a 344t x 37.5m high Reactor and a 178t x 49.2m high PPB (Product Purge Bin) vessel.

Working in a live plant environment, each vessel was to be loaded onto 24 axles of Self Propelled Modular Trailers (SPMT's). The foundation for the PPB being on the top of a 52 m high structure was defining the selection of the main crane Liebherr LR1800. The vessels were loaded onto SPMT's by a Demag CC2400 and AC1600 in the fabrication area. The Demag CC2400 was to follow each vessel to the erection location to assist the LR1800 with tailing to the vertical.



### Projects in Mexico - Heavy lifting in cement industries [top]



Customer: Control Ambiental  
Location: Cruz Azul, Mexico  
Equipment used: CC2400

In January 2005 Sarens Ojeda was asked to assist in a project to replace an existing chimney with a new dust extraction system at a cement plant in Cruz Azul, Mexico. The project was to remove various chimney stack sections from a height of 68.4m with a maximum weight of 37t, and a maximum radius of 53m after which the new sections weighing maximum 45t would be placed in a new location.



### Sarens links Sweden with Norway: The Svinesund Bridge [top]



Customer: Thyssenkrupp Stahlblau  
Location: Sweden & Norway  
Equipment used: LR1750, SPMT's, Sarens twin barges, Strand Jacks, ballasting and mooring equipment

In the previous special bridge edition we have already shown a



picture of the "Svinesund bridge" making a link over a fjord between Sweden and Norway. In that picture one could see the lift of the mid section – preassembled in a nearby harbour named Halden – loaded and transported with Sarens barges to the lifting location with Sarens SPMT's. But the Sarens scope was more than that. Sarens took care of the whole logistics of transport of bridge sections over Germany to Rostock, water transport to the job site, unloading and site transport with SPMT's as well as the lifting with the LR1750 crane of all bridge sections hanging over land of which the heaviest lift was 78t at 90m with the crane LR1750 in SDWBW configuration and full superlift ballast.



## Serbia Montenegro and Greece new European Sarens Joint Ventures [\[top\]](#)



It is the 3rd time that the Sarens Group creates a strong co-operation in Central & Eastern Europe. Starting with Poland and the Czech Republic, we now based ourselves in Serbia Montenegro, where a major fleet of hydraulic cranes is active at the moment. With help of the other joint venture with the Company Anipsotiki in Greece, where our LR1400 lattice boom crawler crane will be the biggest crane of our common fleet, and with the coming up joint ventures in the same region, Sarens Group now covers the most southern part of Europe and we can improve customer services in those regions.



## 5 MW Wind Turbines in Emden & Bremerhaven [\[top\]](#)

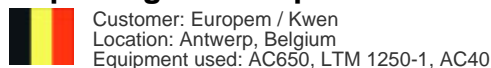


Customer: Enercon & Multibrid  
Location: Emden & Bremerhaven, Germany  
Equipment used: CC8800, SPMT's

After the 2 first petrochemical jobs in Equatorial Guinea and Norway (see previous editions), the Sarens CC 8800 (1250 ton capacity crawler crane) lifted all new and "fully pre-assembled nacelles" of the 5 MW turbines in the north of Germany. Nacelle weights were more than 200 ton on towers of more than 100m. For Enercon in Emden we installed 2 x E 112 turbines. One near-shore with the crane positioned on a barge and one lifted from land on-shore. A month later we erected the Multibrid prototype M 5000 turbine after having jacked, weighed and transported with SPMT's nacelle and major tower wind turbine parts over the harbour roads in Bremerhaven. More similar new activities are already planned for 2005. That's why the 2nd CC8800 crane, purchased recently, is more than welcome in the Sarens Group.



## Replacing a flare tip & molecular seal for BRC Antwerp [\[top\]](#)



Customer: Europem / Kwen  
Location: Antwerp, Belgium  
Equipment used: AC650, LTM 1250-1, AC40

Sarens NV had to replace the tip seal of a flare in a timeframe of 2 days maximum. Our team could only maintain the schedule if all components were assembled at ground level and lifted in one piece. Due to the limited working place, our engineering department had to determine the position and orientation of the lifting points. An additional difficulty was that the existing flare tip was not equipped with lifting points and on top of this the shell of the molecular seal was broken. To resolve the problem, Sarens engineering department designed a lifting frame to fit on the flange coupling of the flare tip. To relieve the underside of the molecular seal of his own weight, fasteners and chains were provided and were adjusted to the lifting frame to prevent pieces from falling down.



## Cement plant in Rugby, England [top]



Customer: Grayton Engineering Ltd  
Location: Rugby, England  
Equipment used: TC3200

Sarens UK Ltd was working for Grayton Engineering Ltd at Rugby Cement Works, the 800t crane was rigged with HSWL configuration of 42m main boom plus 48m luffing fly, 148t main counterweight plus 150t superlift counterweight. The project was to replace the No 4 Cement Mill Shell weighing 80t, this was lifted over a building 27m high and to a final radius of 42m. The lifts took place in November 2004 during a planned shutdown.



## Sarens brings “Powerful” support to Bangladesh [top]



Customer: Siemens  
Location: Mymensingh, Bangladesh  
Equipment used: Sarlift, SPMT's, Strand Jacks, Sarskid, LTM 1050, KH 500, CC 600

Sarens was awarded 2 contracts by Siemens for the installation of Heavy Power Plant Equipment, one in Mymensingh, Bangladesh and one in the Middle East. The scope of the Mymensingh project consist of a jacking up operation on the barge, on site transports and installation on foundation of the transformer, generator and turbine parts with single weights up to 185t.



## Company Info: Algerian team & projects



Sarens Algérie is our youngest company in Africa operational since 2003 with significant achievements in various areas of this vast country. Presently operating 17 cranes on the first major

desalination plant (110 000 m<sup>3</sup>/day) with Jurong of Singapore and IHI of Japan.

At the same time, Sarens Algérie's young team is undertaking works at Arzew petrochemical complex (450 kms west of Algiers).

Similar projects are to be executed in the very near future. Sarens Algérie was also called in to dismantle a crushing plant. Two screens of 6 tons, were to be dismantled at first stage. To enable the removal and replacement of 3 pumps and hammers of 23 tons each, synchronizing the lifting was the main task to safely operate. Sarens Algérie, leader in lifting capacity, is proud to be in compliance with the HSE requirements.

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