



4 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."



From left to right:
Ludo Sarens: CEO & Stefan Verhauwen: Director Fleet Services

Petrochemical: Towerlift in Gonfreville, France



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. The lift was executed early March '05.

"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.

The SARENS Group is also executing at this moment on the same job site other equipment lifting works with major hydraulic cranes and was the successful bidder for the 2nd heavy lift package incorporating a CC2800 for lifting 3 major vessels and a flare.



Projects in The Netherlands

1. Transport of a house of 287 ton

Customer: Smitjesland Lent bv

Location: Lent - Nijmegen

Equipment used: Kamag 24 axle lines / 6 x jacks of 100 ton



2. Placing a "prefab" conference room 330 ton connected to the side of an existing building

Customer: Heijmans IBC Bouw Rotterdam bv

Location: Rotterdam

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



3. Jacking and transport of concrete bridge parts / station Ternoot max. 1.000 ton

Customer: Bam Civiel bv

Location: Den Haag

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



Luxury cruiser lift, Tomago shipyard Newcastle, Australia



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.

We recently imported a Demag CC2800 to Australia and it showed to be the perfect crane to execute this delicate lift in a safe way. Thanks to the expert analysis and smooth organization of our heavy lifting team in Australia, this “maiden” lift of the Demag CC2800 will always be remembered as **an excellent start Down Under.**



Projects in Mexico: heavy lifting in petrochemical & cement industries



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.



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.
The proposed crane was a Demag CC2400 rigged on 90m main boom, 130t standard counterweight and 150t superlift.



Sarens links Sweden with Norway: The Svinesund Bridge



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

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.



Transport by Rail to Belgrade



First LR1400 activities on a Vestas windpark in Greece, named Didima Peloponnes

5 MW Wind Turbines in Emden & Bremerhaven



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 100 m.



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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.



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Replacing a flare tip & molecular seal for BRC Antwerp



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.



Social events:

Sarens nv sponsored a project in Steenhuffel raising money for the **Tsunami victims**. Steenhuffel is not only famous for its Belgian Brewery "Palm", but was also the origin of all Sarens activities 50 years ago.

As you can read above, September 2005 is also the **50 year anniversary** of our company. A special "Heavyweight News" edition can be expected.

Some other social events have taken place e.g. visit of a class of the "Institute for Deaf and Hard of Hearing" children (11 years old) in our headquarters in Wolvertem.

Cement plant in Rugby, England



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 HSWSL 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.



Thailand in "the Lift"



Customer: Vatana Phaisal Engineering Co.
Location: Maptaphut, Thailand
Equipment used: CC2400, KH1000

Sarens Asia began 2005 with an order from a new client Vatana Phaisal Engineering (V.P.E.).

This order was for erection of all heavy items on Siam Mitsui's PTA Plant No3 project in Maptaphut, Thailand. V.P.E. expressed their utmost appreciation and gratitude to Sarens Asia's

professionalism, versatility, positive attitude and problem solving abilities which enabled them to complete the project within a very tight schedule. The project ran from January to March 2005. We look forward to further developing our relationship with V.P.E. on future projects.



Sarens brings "Powerful" support to Bangladesh



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. Furthermore the Sarens Special Projects Departement executed all on site transports of the boiler parts as well and had on hire two 150t crawler cranes and some hydraulics.

The Middle East project included all land- and sea transports of the Siemens equipment from the different Siemens production facilities in Germany up to the site, followed by the installation of the heavy equipment with single weights up to 125 tons with our specially designed gantry system and strand jacks.

Algerian team & projects



Customer: PIOD
Location: Blida, 50 Kms west of Algiers
Equipment used: AC 80 + SCX 2000

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 m³/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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