

Mighty manoeuvres



The Sarens Group carried out heavy transport and lifting work for a production unit in an ammonia and urea plant in the Arzew industrial zone, Algeria. A number of loads, including a 50 metre, 440 tonne unit; a 50 m, 501 tonne unit; and a 70 m, 533 tonne unit were transported from the harbour to

the site and lifted into position using a Terex CC 6800; Liebherr LR 1750; Hitachi Sumitomo SCX2500; and Terex CC 2500 lattice boom crawler cranes. Once complete the production unit will have the capacity to produce 7,000 tonnes of granulated urea and 4,000 tonnes of ammonia daily.

Project trio

ALE completed three major projects using its 1,200 tonne capacity Gottwald AK912-1 lattice boom crane.

One of them was the lift and transport of five heat recovery steam generators (HRSG) as part of a combined cycle gas turbine project at the UK's largest power station in the last 20 years, in Pembroke. Groundwork was kept to a minimum by installing the HRSG boilers with the AK912-1 from just three fixed positions, explains the company.

The second project was at the Thornton Bank offshore wind farm. It involved the roll up and load out of a 775 tonne jacket on 36 axle lines of SPMT. The roll up was achieved using the AK912-1 rigged with a 71 metre Maxi Boom and 300 tonnes of Maxilift Ballast. The jacket was lifted at specific points using custom-designed

ALE recently used its Gottwald AK912-1 on three major projects in the UK



The heavy lift sector has been one of the most valuable revenue streams in 2011, amid a more difficult economic period for lower capacity cranes. *IC* reports on some of the projects carried out

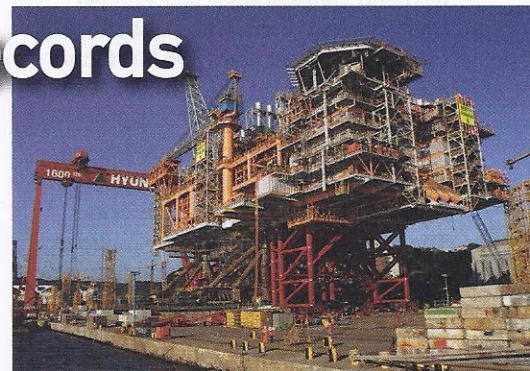
Pushing up records

A contract to push-up a newly built offshore deck at a production site in Ulsan, South Korea, set two push-up records, claimed Mammoet. The international heavy lift and transport specialist claimed the record for a total weight of 23,179 tonnes and for a total height of 26.485 metres.

The Mammoet push-up system is designed to withstand winds up to 20 metres per second. The client, however, asked Mammoet to modify it to withstand 30 m per second, as the actual push-up date was close to the end of the typhoon season.

The company mobilised 15 of its 16 push-up towers and produced additional jacking cans and bracing pipes. Some 153 containers of equipment were brought to the site from around the world.

In a combined effort by Mammoet and



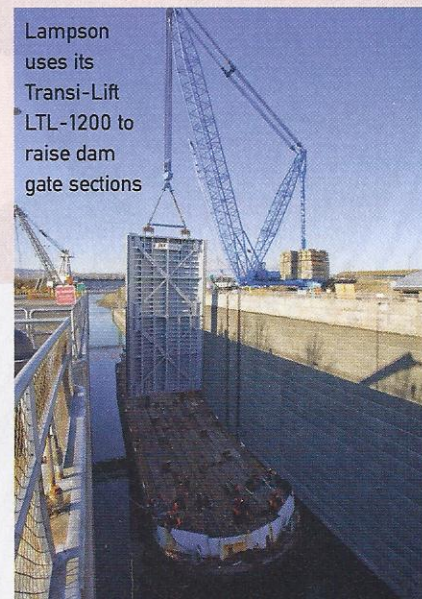
Mammoet sets two records with its push-up system

the client, the deck was picked up from its temporary construction supports, weighed with the push-up system and brought to a new record height of 26.485 m, says the company. "This only took us seven days. In the following two days, the client positioned the load-out frame underneath the deck and Mammoet lowered the deck onto the frame," says a company spokesman.

LAMPSON OFF-LOADING

The US Army Corps of Engineers and its contractor, Dix Corporation, rented Lampson's Transi-Lift LTL-1200 crane to perform a gate replacement at Lower Monumental Dam in Washington State. The project included offloading three new gate sections from a barge and removing the old gate section from the dam. The final element of the project was to install three new gate sections.

Lampson was faced with a challenging assembly. To assist, the company used some of its conventional crawler cranes and a Manitowoc 4100 with ringer attachment. One of the most important aspects of a job like this is assembling and load testing the Transi-Lift crane, explained the company. Once the LTL-1200 was fully assembled, it stood 340 feet tall (104 m) and performed lifts up to 294 tonnes.



Lampson uses its Transi-Lift LTL-1200 to raise dam gate sections

tackle, with allowances made to ensure maximum headroom for the crane. The 37 m long, 23 m wide, 23 m high jacket was then loaded out.

The third project took place in London as part of preparations for the 2012 London Olympics. ALE installed a 196 tonne footbridge using the Gottwald AK912-1, again configured with 71 m