Overdick GmbH & Co. KG Cremon 32 D-20457 Hamburg

PRESS RELEASE

Successful installation of MOAB® Helwin alpha – latest of our line of self-installing platforms worldwide

Date
2013-09-03

Reference
MOAB® - Self-installing Platform Helwin alpha, German North Sea

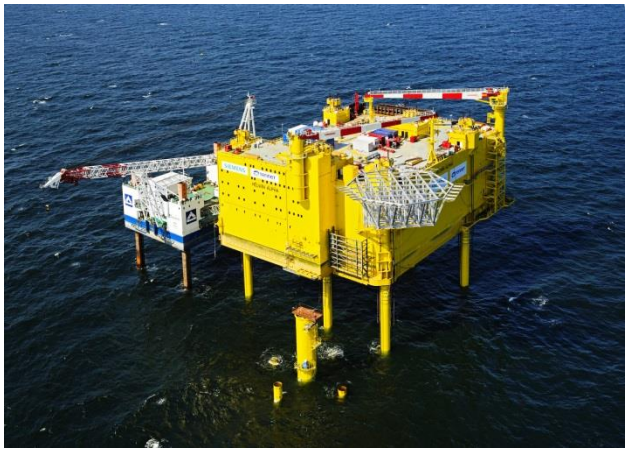
To whom it may concern,

OVERDICK is proud to announce the successful installation of the latest of our line of self-installing platforms. The HVDC hub HelWin Alpha is the seventh of platforms designed following OVERDICK's MOAB® concept.

The HelWin Alpha topsides has been designed with a watertight hull which allows it to be fabricated in a drydock and wet towed to the site without the need of a transport barge. The platform has been positioned over the foundation piles and after stabbing the legs on the piles though the LMUs the platform was elevated to its design clearance of 22 meters above sea level by means of a temporary hydraulic jacking system. With its record setting topsides weight of over 12,000 tonnes the structure is beyond the lifting capabilities of offshore cranes. The capacity of the jacking system was scaled to meet the lifting safety and operational requirements and thus allowed installation of the complete topsides in one operation, eliminating the need for multiple expensive offshore lifts and minimizing the requirements for offshore hook-up and commissioning. The platform was mechanically completed and pre-commissioned at the yard.

The platform stands in 23 meters of water about 16 nautical miles North-North-West of the island of Helgoland in the German Bight of the North-Sea. Here it will provide the tie-in to the electric power grid for the offshore wind parks Nordsee-Ost and Meerwind by transmitting 576 Megawatts of clean energy.

With three more HVDC hubs of even greater dimensions at various stages of design, fabrication and installation on the way, the Overdick MOAB® concept marks the way forward for effective realization of heavy weight topsides as required by the offshore wind industry.



MOAB®

MOBILE OFFSHORE APPLICATION BARGE

With its seven installations, the MOAB® platform concept from OVERDICK is probably the most successful self-installing platform concept in the market. As a process extension, compression, integrated wellhead, accommodation and production, offshore wind farm substation and HVDC hub, the concept has demonstrated its flexibility and soundness and has become THE proven technology.

FLEXIBLE IN THE TENDERING

MOAB® have been built in repair yards, shipyards, offshore yards and one was built on a parking lot by a steel fabricator. This flexibility gives the client a wider range of possible fabrication contractors in order to realize a competitive tendering phase.

The installation of a MOAB® it is ideally managed through a multi-contracting approach with OVERDICK as project manager or at least as consultant to the client. In this way the most cost effective projects have been realized. Here too, this approach offers the highest flexibility to the client.

VERSATILE

Topside Equipment (pay-load) from 400 to 7,000 tons possible. Operating water depth, depending on the region is up to 80m.

ROBUST

The barge like structure offers a great redundancy and high stiffness and low structural weight compared to a space frame topside. The substructure is designed to support earthquake, full boat impact and survive the 10,000 years wave case.

TIME SCHEDULE FRIENDLY

The procurement and fabrication of the structure can be started very early in the project, even before the topside engineering is complete. Very simple interface between the disciplines is possible. The schedule is not sequestered by a big heavy lift asset with its own strict time.

LOW COSTS

Following the right contracting strategy, the overall costs and the installation costs can be significantly reduced compared with a conventional unit of similar size.

ENVIRONMENT-FRIENDLY

Instead of conventional pile-driving technology, suction cans can be used as foundation. This method reduces noise pollution and frees the installation from environmental noise constrains. The platform can be completely and safely removed after its lifetime-cycle by reversing the installation thus not leaving anything in the seabed.

For more facts and pictures please visit the following websites: OVERDICK Helwin alpha

Best Regards

Andreas Rosponi
Overdick GmbH & Co. KG
Cremon 32, 20457 Hamburg
Germany
T: +49 40 3257560