



Offshore Engineering Society

Wednesday 7th March 2018 at 18:00

(Refreshments will be served from 17:30)

Godfrey Mitchell Theatre, Institution of Civil Engineers
One Great George Street, London, SW1P 3AA

HMC Sleipnir 20,000 tonnes heavy lift vessel

Presented by

Duncan Edwards, Project Engineer

Heerema Marine Contractors is building the world's largest heavy-lift and deepwater construction vessel. The *Sleipnir* has been designed in response to requirements for installation of larger platforms, new types of seabed processing equipment, and removal of heavier topsides and jackets from decommissioned fields.



Sleipnir, will be 220 m long with an overall beam of 102 m and a normal service speed of 10 knots. Its two main cranes, under construction by Huisman in China will each be equipped with 10,000-metric ton lifting capacity. This will allow clients to design larger and/or heavier topsides and jackets which the vessel can install fully integrated and commissioned.

The vessel has been designed with superior motion behavior compared to other types of vessels in all operating environments worldwide. For the *Sleipnir*, we took onboard what we knew from our existing vessels' characteristics and looked for even better motion behavior in order to perform lifts of a certain magnitude in higher sea states.

This was combined with a dual-fuel approach to power generation to include LNG, with the *Sleipnir* to become the first large vessel to use this more environmentally-friendly fuel source.

Duncan Edwards

Duncan works within the Offshore Construction Industry as Project Engineer for Heerema Marine Contractors. Duncan holds a degree in Civil Engineering from Newcastle University and began his career as a Consultant Structural Engineer for the onshore construction industry.

Duncan has developed his main area of expertise in the transport and heavy lift installation of offshore platforms in the North Sea and West African regions, as well as the Removal and Subsea industries. His further roles include UK business development and tender support as well as SSCV Sleipnir Roadshow.

Booking instructions over leaf



Offshore Engineering Society

BOOKING INFORMATION

Please note that booking is only required if you wish to attend in person.

If you experience any difficulty booking online, please contact societyevents@ice.org.uk

OES Attendance Certificates to support CPD logs

Individual Members and **employees of Corporate Members** of OES only may obtain an electronic Certificate of Attendance for the meeting.