

## **Sembcorp Marine completes world's biggest and strongest semi-submersible crane vessel for Heerema**

- *SSCV Sleipnir is a new-generation semi-submersible crane vessel with a pair of revolving cranes that can lift 20,000 tonnes in tandem – no other existing crane vessel has this capability*
- *The vessel is also the first dual-fuel crane vessel, with engines running on MGO and LNG for sustainable operation across all environmental jurisdictions*

**Singapore, May 24, 2019** – The world's biggest semi-submersible crane vessel (SSCV) is set to blaze a trail when it enters into service in the coming months, armed with the strongest pair of revolving cranes for offshore oil, gas and renewable energy installation and decommissioning jobs.

Named after the Norse God Odin's eight-legged stallion and newly completed at Sembcorp Marine's Tuas Boulevard Yard for owner Heerema Marine Contractors, SSCV Sleipnir has a 220-metre by 102-metre reinforced deck area, making it the largest crane vessel to be built.

The vessel also has two 10,000-tonne revolving cranes which can lift loads of up to 20,000 tonnes in tandem. No other existing crane vessel has this capability.

Sleipnir can accommodate 400 persons and will be deployed globally for installing and removing jackets, topsides, deep-water foundations, moorings and other offshore structures.

Importantly, with its single-lift capability catering to larger integrated structures than previously possible, Sleipnir will minimise offshore assembly work and raise operational efficiency to a new level, while not compromising the flexibility and robustness of traditional installation methodologies.

The vessel further stands out as the world's first crane vessel with dual-fuel engines running on Marine Gas Oil (MGO) and Liquefied Natural Gas (LNG). Coupled with an IMO- and US Coast Guard-approved ballast water management system, Sleipnir will operate sustainably across all environmental jurisdictions.

Heerema has already secured contracts to deploy the vessel in various offshore energy developments, including: Leviathan topsides installation in the Mediterranean Sea; Tyra jackets and topsides installation and removal in the Danish North Sea; Brae B jackets and topsides removal in the UK North Sea; as well as transportation and installation of the Hollandse Kust Zuid (HKZ) Alpha HVAC platform in the North Sea, off the Dutch coast.

In the offshore wind sector, Heerema sees a significant growth in the size of wind turbines and foundations, which requires specialised equipment for their installation.

With its large cranes capable of a 135-metre lifting height and a combined 20,000-tonne lifting capacity, Sleipnir is very well placed to accommodate this trend of increasingly bigger offshore wind turbines.

Speaking at Sleipnir's christening in Tuas Boulevard Yard this evening, Mr Pieter Heerema, Chairman of the Board at Heerema Marine Contractors, said:

"I am immensely proud that Heerema Marine Contractors is again taking things further with the introduction of our new semi-submersible crane vessel. Sleipnir scores several firsts in the industry: It is the largest crane vessel yet built; it has the strongest pair of revolving cranes; and it's also the world's first crane vessel with dual-fuel engines running on MGO and LNG, dramatically reducing harmful emissions. Sleipnir's innovative capabilities will place Heerema even firmer at the forefront of developments in the offshore oil, gas and wind energy industry for both installations and decommissioning."

Mr Heerema added: "Sembcorp Marine in Singapore was chosen to build Sleipnir for their professionalism and dedication to the project. The excellent cooperation between Heerema and Sembcorp Marine ensured that the project was executed smoothly, on budget and according to the best possible safety and quality standards."

At its peak, the construction of Sleipnir involved up to 3,700 workers in a single shift. The project has a current Lost Time Injury Rate (LTIR) of 0.35 per million man hours worked, a commendable safety performance which Sembcorp Marine President & CEO Mr Wong Weng Sun said reflects the Group's strong safety commitment.

Mr Wong said: "In a safe environment, we can bring our best-quality work into building a reliable vessel, and this in turn helps ensure the safety of the future officers and crew aboard. Our safety mind set therefore goes beyond the successful completion of a project. It effectively complements our continuous focus on innovation and technology development, enabling us to deliver world-class products to Heerema and all other customers.

"Sembcorp Marine is grateful to Heerema Marine Contractors for giving us the opportunity to build the world's biggest, strongest and first dual-fuel semi-submersible crane vessel at our flagship Tuas Boulevard Yard."

SSCV Sleipnir was christened by lady sponsor Mrs Maha Hatfield.

The vessel will leave for sea trials shortly and is scheduled for delivery to Heerema soon afterwards.

## Photos



*Sleipnir, the world's largest and strongest semi-submersible crane vessel built by Sembcorp Marine (a)*



*Sleipnir, the world's largest and strongest semi-submersible crane vessel built by Sembcorp Marine (b)*





*Sleipnir, the world's largest and strongest semi-submersible crane vessel built by Sembcorp Marine (c)*



*Distinguished guests with senior management of Sembcorp Marine and Heerema Marine Contractors at the Naming Ceremony of Sleipnir*



*Mr Pieter Heerema, Chairman of the Board, Heerema Marine Contractors, addressing the attendees*



*Mr Wong Weng Sun, President and CEO of Sembcorp Marine, making his address*

## **Notes to Editors**

To download high-resolution images accompanying this press release, please click [here](#).

A fact-sheet on the SSCV Sleipnir is also available [here](#).

## **About Heerema Marine Contractors**

Heerema Marine Contractors (HMC) brings more than 50 years of specialized skills to the offshore oil, gas and wind industry and excels at transporting, installing and removing offshore facilities. Heerema manages the entire supply chain of offshore construction, from design through to completion. The services encompass engineering, planning, logistics, project management and execution of projects all over the world. Heerema owns and operates the world's largest crane vessels.

Heerema is committed to creating innovations that achieve the highest possible operational performance, predictability, quality and safety. The company's in-house state-of-the-art Simulation Center achieves this and more – it is a real-time virtual offshore environment in which customers' proposed project activities are integrated into a realistic 3D world of operations, an excellent way to gain thorough understanding of any project's potential complexity while enhancing the ability to keep costs as low as possible.

Sustainability is a big part of Heerema's responsibility and is an essential component of the company's management philosophy on all levels.

URL: [www.hmc.heerema.com](http://www.hmc.heerema.com)

## **About Sembcorp Marine**

Sembcorp Marine provides innovative engineering solutions to the global offshore, marine and energy industries, drawing upon more than 50 years of track record. We focus on four key capabilities, namely: Rigs & Floaters; Repairs & Upgrades; Offshore Platforms; and Specialised Shipbuilding.

Our customers include major energy companies, drilling contractors, shipping companies as well as owners and operators of floating production units.

We own and operate shipyards and other facilities in Singapore, Indonesia, Norway, the United Kingdom, USA and Brazil.

Discover more at [www.sembmarine.com](http://www.sembmarine.com).

## **For more information, contact:**

Corporate Communications  
Heerema Marine Contractors  
Tel No: +31 (0)71 5799000  
Email: [communications@hmc-heerema.com](mailto:communications@hmc-heerema.com)

Lin Daoyi (Mr)  
Sembcorp Marine  
Tel No: +65 6971 7040  
Email: [daoyi.lin@sembmarine.com](mailto:daoyi.lin@sembmarine.com)