



February 2021



**MARINE
CONTRACTORS**

Aegir

Fast-moving Heavy Lift Vessel

A HEEREMA COMPANY

As a fast-moving heavy lift vessel, Aegir offers unique offshore transport, installation, and removal solutions.

Aegir is one of the world's largest monohull crane vessel and has a proven track record across a wide range of offshore projects. Optimized for fast transit speed, Aegir can mobilize worldwide and work in any water depth.

Due to Aegir's retractable thrusters, shallow draft, and extensive clear deck space, the vessel has the possibility to load-out directly from the quayside and transport on deck, reducing both yard and transport costs.

While on location, Aegir's DP3 dynamic positioning system provides accurate and stable positioning. The vessel has a lifting capacity of 5,000 metric tons, and the option to use a split main crane block offers flexibility by allowing the upending of tall structures and long piles, similar to our dual crane vessels.

Track Record Highlights

Aegir has transported and installed various jackets, topsides, and modules. In 2017, the vessel installed sixteen anchor piles and mooring lines for the Shell Prelude FLNG using a novel pile installation method. In 2020, Aegir completed the jacket installation, as well as the 3,100 metric ton topside installation for Qatargas' North Field Bravo Living Quarters Expansion project. Aegir's lifting capacity and speed were recently upgraded to make the vessel even more competitive for projects anywhere in the world.





General Description

Design	Ulstein Sea of Solutions customized SOC 5000 design
Dimensions	Length 211 m x width 46 m
Operating draft	9 – 11 m
Transit draft	8 m

Heavy lift crane

Type	Revolving mast type crane
Boom length	125 m
Capacity revolving	5,000 mT between 18-33m radius 1,500mT at 75m radius
Lifting Height main hoist	96 m above main deck
Maximum radius	79 m
Auxiliary Hoist	750mT between 23 – 85m radius, or 300mT up to 110m radius
Whip hoist	110 mT between 31 – 123 m radius

Accommodation / helicopter deck

The living quarters can accommodate 305 persons in single and double cabins. All cabins have heating and air conditioning facilities. The helicopter deck is suitable for Augusta Westland EH101 or Sikorsky S-92 helicopter, compliant with IMO, LR and NMA and CAP437 requirements.

Life-saving / fire-fighting

Life-saving and fire-fighting equipment have been provided for according to the latest class, IMO and NMA standards.

Dynamic Positioning system

The Aegir is equipped with a full Class III Dynamic Positioning system.

Auxiliary Cranes

Deck cranes	Two (2) knuckle boom cranes, each 40 mT SWL at 20 m radius and 5 mT at 40 m radius. Man riding certified
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Deep water lowering system

Capacity	3,500 m waterdepth, active and passive heave compensation up to 750 mT
A&R system	2,000 mT max 3,500 m water depth

ROVs and LARS

ROV	Two (2) ROV work class systems, launched from ROV hangars at starboard and portside
LARS	Two (2) launch and recovery systems inside the ROV hangars suitable for 3,500m waterdepth

Thrusters

2 x 6,500 kW fixed pitch, variable speed azimuth thrusters for main propulsion and for DP 4 x 3,200 kW fixed pitch, variable speed, retractable azimuth thrusters and 1 x 2,500 kW fixed pitch, variable speed tunnel thruster for DP and manoeuvring.

Power supply

The Aegir is equipped with a 48 mW total main power plant comprising of 6 diesel generators rated at 8,000 kW each and 1 emergency diesel generator set rated at 1,731 kW.

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