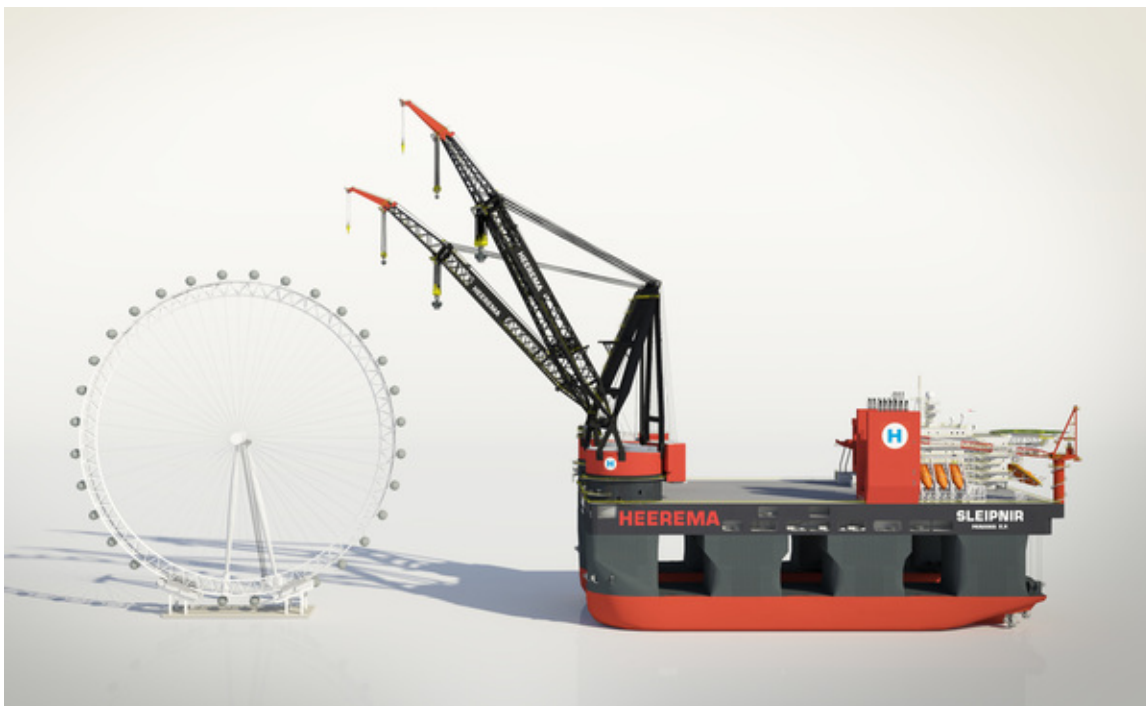


Sleipnir

NAVIGATION

The Sleipnir is designed for worldwide offshore heavy lifting. It is equipped with two cranes of 10,000 metric tonnes lifting capacity each and a reinforced deck area of 220 meters in length and 102 meters in width, which make it the largest crane vessel in the world.

The dual cranes provide for heavy lifting capacity both to install and remove jackets and topsides. Furthermore, the cranes can be utilized for installation of foundations, moorings and structures in deep water. The Sleipnir is self-propelled with a minimum service speed of 10 knots, with power generated by means of dual fuel engines – MGO & LNG. Station-keeping is by means of dynamic positioning (DP3) or mooring system.



Dimensions

Length overall	220 m	721 ft
Beam overall	102 m	334 ft
Length over Work Deck	180 m	590 ft
Beam over Work Deck	97.5 m	320 ft
Depth to Work Deck	49.5 m	162 ft
Draft range	12-32 m	39-104 ft

Accommodation / Helicopter Deck

The living quarters are equipped to accommodate 400 men in single and double cabins. All quarters have heating and conditioning facilities.

Helicopter Deck

The helicopter deck has a diameter of 28 m and a load capacity of 15.6 mT. It is suitable for an Augusta Westland EH101 or a Sikorsky S-92.

Life-saving / Fire-fighting Equipment

Sleipnir will be equipped with nine free-fall lifeboats with a capacity of 70 persons each, divided over three lifeboat stations (three lifeboats per lifeboat station).

Station Keeping / Propulsion System

DP System:

IMO equipment Class 3, Lloyd's Register DP (AAA).

Thrusters:

Forward end - Four (4) retractable, underwater demountable fixed pitch, variable speed azimuth thrusters of 5.5 MW each.

Aft end - Four (4) underwater demountable fixed pitch, variable speed azimuth thrusters of 5.5 MW each.

Mooring System:

4 x 3 point mooring system, 3 1/8" wire ropes of 1,750m, minimum breaking strength 578 mT
Stevpris Mk-6 anchors of 12 t each.

DP Modes of Operation

- Joystick
- Mixed joystick/auto
- Auto heading
- Auto position
- Heavy lift mode
- Green DP control

Position Reference System

- 2 x DGPS, Kongsberg DPS 5D
- 2 x DGPS, Kongsberg DPS 232
- 1 x Radius, Kongsberg 1000D
- 1 x Spottrack, Kongsberg

- 2 x HPR, Kongsberg HiPAP 501 with HAIN
- 1 x Tautwire, Mk 15/500



Port Side and Starboard Heavy Lift Cranes

Boom Length	144 m (from heel point to whip hoist)
Boom Clearance (to deck)	28.0 m in stowed position
Main Hoist Capacity - Revolving	10 000 mT between 27 - 48 m radius 7 000 mT at 62 m radius 4 000 mT at 82 m radius
Main Hoist Lifting Height	from -20 m up to 135 m (above waterline at 32m draft)
Main Hoist Maximum Radius	102 m
Auxiliary Hoist Capacity - Revolving	2 500 mT between 33 - 60 m radius
Aux. Hoist Lifting Height	from -50m up to 165 m (above waterline at 32 m draft)
Aux. Hoist Maximum Radius	135 m
Whip Hoist Capacity - Revolving	200 mT between 37 - 153 m radius
Whip Hoist Lifting Height	from -100m up to 181 m (above waterline at 32 m draft)
Whip Hoist Maximum Radius	153 m
Deep Water Lowering	heave compensated capacity per crane 1 000 mT at 1 000 m below sea level 700 mT at 1 500 m below sea level

700 mT at 1 500 m below sea level
240 mT at 3 000 m below sea level

Auxiliary Crane

Deck Crane	One pedestal mounted, lattice boom crane 70 mT at 12 m radius 25 mT at 60 m radius 8 t at 72 m radius Range up to 2 000 m water depth Man riding certified
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Power Generation

Main Power:

96 MW total main power plant, consisting of 12 engines of 8 MW each, divided over four engine rooms (three engines per engine room).

Fuel (dual):

Low sulphur Marine Gas Oil (MGO) and Liquefied Natural gas (LNG)

Emission Limits:

Compliant to IMO Tier III requirements.

Deck Load

Heavy Lift Lay Down Area	15 mT/m ²
Main Deck	10 mT/m ²
Total Deck Load Capacity	20 000 mT
Total Deck Area	12 000 m ²