

CASE STUDY

Heavy Lifting Vessel
Oleg Strashnov



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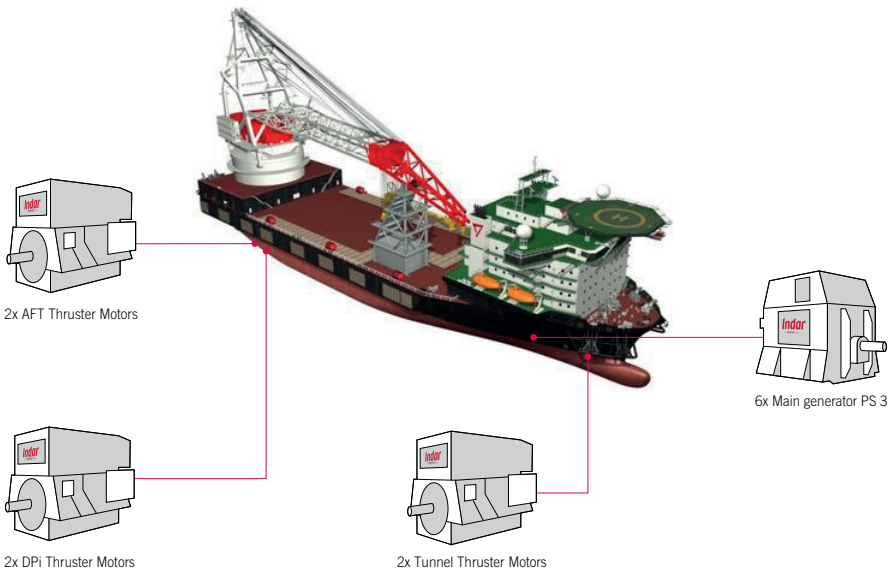
Oleg Strashnov is the world's second largest monohull crane vessel built for Seaway Heavy Lifting at IHC Merwede Krimpen Shipyard. This Gusto MSC-designed, fully-revolving main crane hook capable of single lifts of 5,000 metric tons (5,511 tons) at heights up to 100 m (328 ft). The high level of control provided by the DP3 dynamic positioning system facilitates installation of large, heavy subsea structures.

For this innovative heavy lifting vessel we developed the electrical machines for diesel-electric propulsion concept, featuring a redundant energy generation and propulsion system. All motors are fed and controlled by direct water-cooled frequency converters.

Main host capacity: 5,000 mt

INDAR Marine Applications:

- Generation
- Propulsion
- On-deck Machinery



General Description

INDAR Scope of Supply	
Main Generators	Output power: 5,400 kVA Voltage: 6,600 V Speed: 750 rpm
Main Propulsion Motors	Output power: 5,500 kW Voltage: 3,100 V Speed: 500 rpm
Retractable Azimuting Thruster Motors	Output power: 3,500 kW Voltage: 660 V Speed: 500 rpm
Tunnel Thruster Motors	Output power: 1,150 kW Voltage: 660 V Speed: 1,000 rpm



Vessel Main Characteristics

Owner:	Seaway Heavy Lifting
Length overall:	183 m
Length between perp.:	171.38 m
Breadth moulded:	47 m
Depth moulded:	18.20 m
Designing draught:	13.84 m
Trial Speed:	14 kn
Class:	DP3

Main Hoist

Capacity:	5,000 mt
Outreach:	32 m
Max. weight:	102 m
Lowering speed:	14 m/min

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Indar Electric, S.L.
Polígono Industrial Txara, s/n
20200 BEASAIN - SPAIN
Tel.: 34 943 02 82 00
Fax.: 34 943 02 82 04
marine@indar.ingeteam.com