



Self-propelled jack-up vessel



Royal IHC is developing a custom-designed heavy-lift jack-up vessel. This is in cooperation with stakeholders in the growing Asian offshore wind market including a contractor, project developers, naval architect, shipbuilder and class society. The vessel will be capable of transporting and installing equipment such as 4 x typical 3.6/4.0MW, 2 x typical 5.0/6.0MW offshore wind turbines or a 700t jacket. Furthermore, it can be utilised as a liftboat in the oil and gas market. The basic ABS-class approved design will be ready in the third quarter of 2015.

Main dimensions*

Length overall	79.8m
Width overall	38.2m
Distance between legs (longitudinal)	51.6m
Distance between legs (transverse)	30.0m
Leg length	85.0m
Hull depth	7.0m
Draft	5.2m

Speed

Design speed	8.3kn
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Jacking system

Type	MUNS hydraulic jacking system
Drive	Electro-hydraulic
Capacity	4,800t preload/leg
Elevating speed (effective)	
• Platform lifting	0.25m/min (recycling)
• Platform lowering	0.25m/min (recycling)
• Leg lifting	0.6m/min
• Leg lowering	0.6m/min

Payload	2,500t
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*Specifications subject to change.
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**Lifting gear**

Main hoist SWL	800t@26m
Hoisting height above deck	105m
Auxiliary hoist SWL	100t@87m

Working deck

Main deck area	1,900m ²
Main deck load capacity	12t/m ²

DP system

Designed for DP operation according to DPS-2 regulations

Propulsion

Aft 2 azimuth thrusters	2,200kW each
Fore 2 azimuth retractable thrusters	2,000kW each

Helideck (optional)

Structure prepared for Sikorsky S-70 or equivalent

Accommodation

72 (42) people using single and double berths

Designed by

Vuyk Engineering
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