



## On winning course with Power of Performance

With its two powerful partners—HOCHTIEF Solutions and GeoSea N.V., a company of the Belgian DEME Group—HGO IntraSea Solutions has committed itself to providing the most powerful heavy-lift jack-up vessels. While the offshore market is booming, the number of adequate installation vessels is insufficient. We will close this gap starting with our first heavy-lift jack-up vessel INNOVATION. This vessel will be used to build and maintain offshore wind farms as well as offshore oil and gas facilities.

With its high-performance 1,500-tonne crane and its high-load capacity of up to 8,000 tonnes, INNOVATION enables safe loading and installation of 6MW+ wind turbines with overall heights of more than 120 metres as well as heavy foundations in water depths of up to 50 metres. The all-in-one solution—loading, transporting and installing—makes our vessel self-sufficient and offshore installations more efficient and cost-effective. The INNOVATION will be launched mid-2012.



**Power of Performance**



# FACTS

## General

Type of vessel Heavy-lift jack-up vessel, self-propelled

## Main dimensions hull

Length hull (overall) 147.50 m  
 Breadth hull 42.00 m  
 Depth hull 11.00 m

## Operational conditions

Water depth for jacking Up to 50 m  
 Significant wave height for jacking and DP Up to 2.00 m  
 Wind speed for crane operation Up to 18 m/s  
 Operating draft 7.33 m max  
 DP capability Vessel complying with DP2 requirements

## Dimensions of legs

Number of legs 4  
 Leg cross section Lattice leg  
 Jacking system Rack and pinion  
 Jacking speed Up to 1 m/min

## Accommodation

Up to 100 persons incl. crew.  
 Cabins can be used as single or double cabin.  
 Vessel is pre-fitted for 180 persons on board

## Helideck

D = 20.88 m, suitable for Sikorsky S92 with a MTOW of 12.8 t

## Thrusters and propulsion

Vessel speed Up to 12 knots

## Crane

Category Crane around the leg  
 Capacity SWL 1,500 t @ 31.5 m

## Cargo load

Cargo load Up to 8,000 t  
 Sample scenarios

- Up to 7 WTG / 6 MW+
- Up to 12 WTG / 3 MW+
- 2 jackets up to 1,000 t and piles up to 1,300 t
- 4 jackets up to 600 t and piles up to 1,600 t
- 7 monopiles up to 500 t and 7 transition pieces up to 300 t

## Note

**All mentioned conditions depend on a site-specific assessment.**

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