

Seven Seas

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Type:
Construction / Flexlay

Classification:
Lloyds Register, +100A1,
LI +LMC, UMS, DP (AA),
CAC(3), EP, ICC, strength for
load of 10t/m², heli landing
area

The *Seven Seas* is a construction / flexlay vessel capable of operating in water depths up to 3,000m. It has an advanced flexible pipelay system with top tension capacity of 400t (J-lay mode) and 430t (flexlay mode).

- Length 153.24m x breadth 28.4m
- Heave compensated 400t / 350t crane
- 2 x 1,250t carousels below deck / 3,000t carousel / multiple reels on deck
- SLOR/COR deployment capability
- 7.5m x 8.5m moonpool
- J-lay capability
- 2 x workclass ROVs

Seven Seas

General Information

Classification	Lloyds Register, +100A1, LI +LMC, UMS, DP (AA), CAC(3), EP, ICC, UD strength for load of 10t/m ² , Heli landing area
Built	Merwede Shipyard, The Netherlands 2008
Flag State Authority	Isle of Man Government
Port of Registry	Douglas

Dimensions

Length Overall	153.24m
Breadth	28.4m
Depth to Maindeck	12.5m
Draught (design)	7.5m
Deadweight	10,130t
Gross Tonnage	18,250t
Net Tonnage	5,475t

Manoeuvring and Propulsion Systems

Main Engines / Generators	6 x 3360kW (Diesel Electric)
Propulsion	3 x 2950kW stern azimuth thrusters (Wartsila) 2 x 2400kW retractable bow azimuth thrusters (Wartsila) 1 x 2200kW bow tunnel thruster (Wartsila) total thruster power 15,850kW

Dynamic Positioning Systems

DP Classification	DP (AA) (Class II)
DP System	Kongsberg Simrad SDP 22
Reference Systems	2 x Veripos DGPS 2 x HiPAP 500 1 x taut wire 1 x fanbeam

Speed / Consumptions

Service Speed	13 knots+
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Tank Capacities (100%)

Marine Gasoil	2,480m ³
Fuel Oil	1,227m ³
Potable Water	655m ³
Ballast Water	4,530m ³
Anti-Heel Tanks	1,538m ³
Stabiliser Tanks	716m ³
Technical FW (in WB Tanks)	685m ³

Cargo Deck

Deck Area (aft of Moonpool)	1,750m ²
Deck Strength	10t/m ²

ROV Systems

The vessel is fitted with two over side launched work class ROVs rated to 3000m. Preinstalled service points allow easy installation of additional workclass and observation class ROVs.

Deck Cranes

Huisman BV Main Deck Crane (Active heave compensation)	
Main hoist - Offshore (1-2)	342t at 12.7m (double fall) 181t at 25.3m (single fall)
Main hoist - Harbour	400t at 15.5m (double fall) 200t at 28.7m (single fall)
Whip hoist - Harbour	40t at 58.8m (double fall) 20t at 59.1m (single fall) 2t man-riding rating
Stbd Aft Auxiliary Deck Crane (Active heave compensation)	
Main hoist - Offshore	34t at 18m 10t at 40m
Whip hoist - Offshore	20t at 18m 9.6t at 40m 2t Man-riding rating
Stbd Midships Auxiliary Deck Crane	
	12t at 25m 2t Man-riding rating
Lay tower top Auxiliary Deck Crane	
	20t at 7.6m 11.4t at 12.2m

Pipelay Systems

The vessel is fitted with a pipelay tower designed for flexlay, J-Lay and moonpool deployment operations. The tower consists of two aligner chutes (one port, one starboard), a retractable electric driven upper 170t flex tensioner, a retractable electric driven main tensioner (260t flex rated, 400t rigid rated) and an enclosed welding station for J-Lay operations, which are optional.

Two hold carousels with a storage capacity of 1250t each are provided.

A 450t and a 125t A+R winch are provided.

The moonpool hatches have a capacity of 750t SWL.

Accommodation

120 persons	
Single cabins (with dayroom)	3
Single cabins	17
Double cabins	48
Four Man cabins	1
Hospital (not included in total)	2

Helideck

The vessel is fitted with an approved and certified helideck suitable for Sikorsky S92 and Super Puma operations. Kongsberg HMS 100 is fitted.

Communications Systems

The vessel is fitted with an extensive communications system including a dual KU / C band Vsat satellite communication system, 2 x Inmarsat C and Inmarsat F systems.