



VESSELS

Construction /  
Flex-lay

Our Values



Safety



Integrity



Sustainability



Performance



Collaboration



Innovation

subsea 7



# Seven Seas

## Vessel Info

*Full specification overleaf*

**Seven Seas** is a construction / flex-lay vessel capable of operating in water depths up to 3,000m.

- Length 153.24m x breadth 28.4m
- Heave compensated 400t
- 1x 1,390t aft and 1x 1,510t fwd carousels below deck / 3,000t carousel / multiple reels on deck
- 7.5m x 8.5m moonpool
- Accommodation for 120 persons
- 2x work-class ROVs

## Fast Facts

- Moonpool positioned aft of VLS tower, allowing full access for moonpool work with cranes, winches etc
- Large back deck and underdeck carousels give ability to perform heavy construction and flex-lay scopes simultaneously (limited port calls required)
- VLS tower design along with crane capacity and access allow more scope in UTA design that can be transferred over tower



Seven Seas

subsea 7

### General Information

Classification	<b>Lloyds Register, +100A1, LI, *IWS +LMC, UMS, DP (AA), CAC(3), EP, ICC, UD strength for load of 10t/m2, Heli landing area</b>
Built	<b>Merwede Shipyard, The Netherlands 2008</b>
Flag State Authority	<b>Isle of Man Government</b>

### Principal Dimensions

Length Overall	<b>153.24m</b>
Breadth	<b>28.4m</b>
Depth to Maindeck	<b>12.5m</b>
Draught (design)	<b>7.5m</b>
Deadweight	<b>10,130t</b>
Gross Tonnage	<b>18,367t</b>
Net Tonnage	<b>5,510t</b>

### Main Deck

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

### Tank Capacities (100%)

Marine Gasoil	<b>3,725m<sup>3</sup></b>
Potable Water	<b>655m<sup>3</sup></b>
Ballast Water	<b>4,530m<sup>3</sup></b>
Anti-Heel Tanks	<b>1,538m<sup>3</sup></b>
Stabiliser Tanks	<b>716m<sup>3</sup></b>
Technical FW (in WB Tanks)	<b>685m<sup>3</sup></b>

### Power and Propulsion

Service Speed	<b>13 knots (approx)</b>
Main Engines / Generators / Propulsion	<b>6x 3,240kW (Diesel Electric) 3x 2,950kW stern azimuth thrusters (Wartsila) 2x 2,400kW retractable bow azimuth thrusters (Wartsila) 1x 2,200kW bow tunnel thruster (Wartsila)</b>

### Vessel Speeds and Fuel Consumption

Maximum Speed	<b>12.5 knots</b>
Economic Speed	<b>11.5 knots</b>
Economic Speed Fuel Consumption	<b>45.0m<sup>3</sup>/day</b>

### DP Systems

DP Classification	<b>DP (AA) (Class II)</b>
DP System	<b>Kongsberg Simrad SDP 22</b>
Main Reference Systems	<b>2x Veripos DGPS 2x HiPap 501 1x taut wire 1x fanbeam 1x Radius system</b>

### Cranes

<b>Huisman BV Main Deck Crane (Active heave compensation)</b>	
Main hoist	<b>400t</b>
Whip hoist	<b>40t</b>
	<b>2t man-riding rating</b>
<b>Stbd Aft Auxiliary Deck Crane (Active heave compensation)</b>	
Main hoist	<b>34t</b>
Whip hoist	<b>20t</b>
	<b>2t man-riding rating</b>
<b>Stbd Midships Auxiliary Deck Crane</b>	
	<b>12t</b>
	<b>2t man-riding rating</b>
<b>Lay tower top Auxiliary Deck Crane 20t</b>	

### Pipelay Systems

A vertical lay system is permanently installed for deployment of a range of flexible products. The tower consists of two aligner chutes (one port, one starboard), a retractable electric driven upper 170t tensioner and a lower retractable electric driven main 260t tensioner. Two hold carousels with storage capacities 1,390t aft and 1,510t Fwd are provided. A 450t and a 125t A&R winch are provided.

### ROV Systems

ROVs	<b>2x work-class ROV</b>
Operating Depth	<b>3,000m</b>

Installed in ROV hangar, port and starboard side at aft end of superstructure, deployed over the side on rail-guided cursors.

### Helideck

The vessel is fitted with an approved and certified helideck suitable for Sikorsky S92 and Super Puma operations. Kongsberg HMS 300 is fitted.

### Comms Systems

The vessel is fitted with a dual Marlink V Sat communications system.

### Environmental

Ballast water treatment system installed to protect biodiversity.

### Accommodation

120 persons	
Single cabins (with dayroom)	<b>3</b>
Single cabins	<b>17</b>
Double cabins	<b>48</b>
Four person cabins	<b>1</b>
Hospital (not included in total)	<b>2</b>



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