



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

Principal Dimensions

Length Overall	153.24m
Breadth	28.4m
Depth to Maindeck	12.5m
Draught (design)	7.5m
Deadweight	11,366te
Gross Tonnage	18,367t
Net Tonnage	5,510t

Main Deck

Deck Area (aft of Moonpool)	1,750m²
Deck Strength	10t/m²

Tank Capacities (100%)

Marine Gasoil	3,725m³
Potable Water	655m³
Ballast Water	4,530m³
Anti-Heel Tanks	1,538m³
Stabiliser Tanks	716m³
Technical FW (in WB Tanks)	685m³

Power and Propulsion

Service Speed	13 knots (approx)
Main Engines / Generators / Propulsion	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)

Vessel Speeds and Fuel Consumption

Maximum Speed	12.5 knots	48m³/day
Economic Speed	11.5 knots	36m³/day
Normal Speed		
DP Operations	12.0 knots	38m³/day

DP Systems

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

Cranes

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

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	2x work-class ROV
Operating Depth	3,000m
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)	3
Single cabins	17
Double cabins	48
Four person cabins	1
Hospital (not included in total)	2



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The Subsea7 fleet comprises of vessels that have exceptional versatility, capable of operations worldwide including; pipelay, construction, survey, remote intervention, diving support, heavy lifting operations, renewables and decommissioning.

