



VESSELS

Pipelay

Our Values



Safety



Integrity



Sustainability



Performance



Collaboration



Innovation

subsea 7



Seven Oceans

Vessel Info

Full specification overleaf

Seven Oceans is a pipelay vessel capable of rigid and flexible pipelay, in water depths up to 3,000m.

- Length 157m x breadth 28m
- Heave compensated 400t crane
- Main reel storage capacity of 3,800mt
- 6-inch to 18-inch diameter rigid pipeline
- Top Dynamic Tension 550
- Accommodation for 124 persons
- 2x work-class ROVs

Fast Facts

- Capable of installing of all known flowline systems including complex Pipe-in-Pipe, Electrical Heat Traced Flowlines and Mechanically Lined Pipe
- BuBi flowlines and SCR's in 1,300m
- Global reel-lay vessel with completed projects in Europe, North America, South America, Africa and Australasia
- Proven track record operating in water depths from 19m to 2,300m
- Offshore structure lifting operations of 200t



Seven Oceans

subsea 7

General Information

Classification	Lloyds Register, +100A1, +LMC, UMS, DP (AA), CAC(3), EP, ICC, UD strength for load of 10+/m², Heli landing area
Built	Merwede, Holland 2007
Flag State Authority	Isle of Man

Principal Dimensions

Length Overall	157.3m
Breadth	28.4m
Depth to Maindeck	12.5m
Draught Design	7.5m
Deadweight	11,519t
Gross Tonnage	18,201t
Net Tonnage	5,460t

Main Deck

Deck Area (main deck)	650m²
Deck Load	5 to 15t/m² depending of area

Tank Capacities (100%)

Marine Gasoil	4,338m³
Potable Water	655m³
Ballast Water	4,766m³
Technical FW (in WB tank)	600m³
Heeling/Stabiliser Tanks	1,566m³

Power and Propulsion

Main Engines / Generators	6x 3,360kW (Diesel Electric)
Propulsion	3x 2,950kW stern azimuth thrusters
	2x 2,400kW retractable bow azimuth thrusters
	1x 2,200kW bow tunnel thruster

Vessel Speeds and Fuel Consumption

Maximum Speed	13.5 knots
Economic Speed	11.0 knots
Economic Speed Fuel Consumption	34.0m³/day

DP Systems

DP Classification	DP (AA) - Class II
DP System	Kongsberg Simrad SDP 22
Reference Systems	3x DGPS
	2x HiPAP
	1x taut wire
	1x fanbeam
	HPR interface
	Radius interface

Cranes

Main Deck Crane	
Main Line	400t
Whipline	55t
Auxiliary Deck Crane I	40t
Auxiliary Deck Crane II	12t
Ramp Top Crane	12t

The auxiliary deck cranes are certified for man-riding operations, as is the main deck crane whipline.

Pipelaying System

The vessel is fitted with one 3,800 tonne main deck mounted reel. An optional piggy back reel can be fitted as required.

The system is suitable for products from 6-inch to 18-inches in diameter. The lay ramp system comprises of an aligner wheel, pipe straightener, 450t tensioner including dynamics (tensioner exceptional holding load of 550t including dynamics), 600t HOM clamp inc dynamics and roller box.

1x 500t and 1x 80t abandonment and recovery winches are provided.

The operational capability of the Lay system is 550t* (*including up to 100t back tension at main reel).

ROV Systems

The vessel is fitted with two permanently installed side launching work-class Hercules ROV systems rated to 3,000 metres.

Helideck

The vessel is fitted with an approved and certified helideck. The helideck is approved for S61 and S92 helicopter operations. Kongsberg HMS 300 is fitted.

Accommodation

124 persons	
Captain Class Cabins	3
Officer Class Cabins (large)	3
Officer Class Cabins (standard)	2
Single Cabins	14
Double Cabins	50
Four-person Cabins	1
Hospital (not included in total)	1

Comms Systems

The vessel is fitted with dual fleet broadband.



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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.

