



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 has storage capacity of 3,800t
- 6-inch to 16-inch diameter rigid pipeline
- Top Dynamic Tension 550*
- Accommodation for 120 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

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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	10,930t
Gross Tonnage	18,201t
Net Tonnage	5,250t

Main Deck

Deck Area (main deck)	650m²
Deck Strength	10t/m²

Tank Capacities (100%)

Marine Gasoil	2,800m³
Fuel Oil	1,572m³
Potable Water	655m³
Ballast Water	4,766m³
Technical FW (in WB tank)	600m³
Heeling/Stabiliser Tanks	1,566m³

Power and Propulsion

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

Service Speed	Approximately 13 knots
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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 16-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 Super Puma and S92 helicopter operations. Kongsberg HMS 100 is fitted.

Accommodation

120 persons	
Captain Class Cabins	3
Officer Class Cabins (large)	3
Officer Class Cabins (standard)	2
Single Cabins	12
Double Cabins	48
Four-person Cabins	1
Hospital (not included in total)	1

Comms Systems

The vessel is fitted with FleetBroadband 250 and KU Band systems.



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Our Differentiators



Culture



Creativity



Relationships



Reliability



Solutions

The Subsea 7 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.