

Seven Oceans

Pipelay

subsea 7



The *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 350 / 400t crane
- Main reel has storage capacity of 3,800t
- 6-inch to 16-inch diameter rigid pipeline
- Top tension capacity 400 / 450t
- Accommodation for 120 persons
- 2 x work-class ROVs rated to 3,000m

General Information

Classification	Lloyds Register, +100A1, +LMC, UMS, DP (AA), CAC(3), EP, ICC, UD strength for load of 10+/m ² , Heli landing area
Built	Merwede, Holland 2007
Flag State Authority	Isle of Man Government
Port of Registry	Douglas

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

Manoeuvring and Propulsion Systems

Main Engines / Generators	6 x 3,360kW (Diesel Electric)
Propulsion	3 x 2,950kW stern azimuth thrusters 2 x 2,400kW retractable bow azimuth thrusters 1 x 2,200kW bow tunnel thruster total thruster power 15,850kw

Dynamic Positioning Systems

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

Speed / Consumptions

Service Speed	Approximately 13 knots
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Tank Capacities (100%)

Marine Gasoil	2,800m ³
Fuel Oil	1,572m ³
Potable Water	655m ³
Ballast Water	4,766m ³
Technical FW (in WB tank)	600m ³
Heeling/Stabiliser Tanks	1,566m ³

Cargo Deck

Deck Area (main deck)	650m ²
Deck Strength	10t/m ²

Deck Cranes

Main Deck Crane (Main Line)	
Offshore	350t at 13m (double fall) 200t at 25m (single fall)
Harbour	400t at 16.37m (double fall) 200t at 30m (single fall)
Whipline	55t (harbour) 48t (offshore)

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

Auxiliary Deck Crane I	40t at 14m, 12t at 40m
Auxiliary Deck Crane II	12t at 25m
Ramp Top Crane	12t

ROV Systems

The vessel is fitted with two permanently installed side launching work-class ROV systems rated to 3,000 metres. The vessel can be fitted with an additional work-class and observation class ROV on deck mounted A-frames. The survey suite will include a current profiler, multibeam echo sounder and heading reference system.

Pipelay Systems

The vessel is fitted with one 3,800 tonne main deck mounted storage and deployment reel. An optional 250t piggy back reel can be fitted as required. The main reel can stow products from 6-inch to 16-inches in diameter. The lay ramp system comprises an aligner wheel, pipe straightener, tensioner of 400t including dynamics (tensioner emergency holding load of 500t including dynamics), 600t HOM clamp inc dynamics and roller box.

1 x 450t and 1 x 80t abandonment and recovery winches are provided. The operational capability of the lay system is 450t inclusive of all dynamic loads while a 50t back tension is set and maintained from the main reel.

Accommodation

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

Helideck

The vessel is fitted with an approved and certified helideck. The helideck is approved for Super Puma and S61 helicopter operations. Kongsberg HMS 100 is fitted.

Communications Systems

The vessel is fitted with Inmarsat B and KU Band systems. The KU Band system has the option to be converted to C Band as operational requirements demand.