

# Seven Pacific

PIPELAY AND CONSTRUCTION VESSEL



The Seven Pacific is a pipelay and construction vessel for installing flexible flowlines and umbilicals, capable of operating in water depths of up to 3,000m. The vessel is equipped with a Vertical Lay System\* (260t top-tension capacity), twin underdeck carousels, a 250t crane and twin 3000m-rated ROVs.

- Length 133.15m
- Breadth 24.00m
- Cargo Deck Area 1700m<sup>2</sup>
- Active heave compensated 250t offshore crane
- Auxiliary cranes
- 2 x Workclass ROVs rated to 3,000m
- 7.05m x 7.5m Moonpool
- 2 x 1250t carousels below deck and multiple reels on deck
- Stern mounted azimuth thrusters, one bow mounted retractable azimuth thruster and two bow tunnel thrusters
- Class II DP System

**General Information**

Classification	Lloyds Register, +100A1, +LMC, UMS, DP (AA), CAC(3), EP(N), ICC, UD strength for load of 10+/m2, Heli landing area
Built	Merwede Shipyard, The Netherlands
Delivery	2010
Flag State Authority	Isle of Man
Port of Registry	Douglas

**Dimensions**

Length Overall	133.15m
Breadth	24.00m
Depth to Maindeck	10.00m
Draught (design)	6.50m
Deadweight	7300t
Gross Tonnage	TBA t
Net Tonnage	TBA t

**Manoeuvring and Propulsion Systems**

Main Engines / Generators	2 x 3360kW + 2 x 3840kW (Diesel Electric)
Propulsion	3 x 2500kW stern azimuth thrusters (Wartsila) 1 x 2400kW retractable bow azimuth thruster (Wartsila) 2 x 1500kW bow tunnel thrusters (Wartsila) total thruster power 12,900kW

**Dynamic Positioning Systems**

DP Classification	DP (AA) (Class II)
DP System	Kongsberg Simrad SDP 22
Reference Systems	2 x Veripos DGPS 2 x HiPAP 500 1 x taut wire 1 x fanbeam

**Speed / Consumptions**

Service Speed	13 knots+
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**Tank Capacities (100%)**

Marine Gasoil	1500m <sup>3</sup>
Potable Water	600m <sup>3</sup>
Ballast Water	3100m <sup>3</sup>
Anti-Heel Tanks	415m <sup>3</sup>
Stabiliser Tanks	540m <sup>3</sup>
Technical FW (in WB Tanks)	280m <sup>3</sup>

**Cargo Deck**

Deck Area (Aft of Moonpool)	1700m <sup>2</sup>
Deck Strength	10t/m <sup>2</sup>

**Deck Cranes**

Huisman Main Deck Crane (Main Line) Offshore	250t @ 13m / 60t @ 36m
Harbour	250t @ 15m / 80t @ 36m
Main Deck Crane (Whip Line)	20t @ 40m
AFT Deck Crane I (National Oilwell)	30t @ 12.5m 10t @ 30m

**ROV Systems**

The vessel is fitted with two over side launched work class ROVs rated to 3000m.

**Pipelay Systems**

The vessel is fitted with two underdeck storage carousels, each with a capacity for 1,200t of product. Provision is also available for five 300t reels on deck. A vertical lay system (260t top-tension capacity) is permanently installed for deployment of a range of flexible products. The carousel can stow products from 100mm to 600mm diameter with the tensioner allowing a minimum of 50mm.

The vessel has a work moonpool (7.5m x 7.05m).

<b>Accommodation</b>	100 persons
Single Cabins (with dayroom)	4
Single Cabins	34
Double Cabins	31
Hospital (not included in total)	2

**Helideck**

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

**Communications Systems**

The vessel is fitted with an extensive communications system including a dual KU / C band Vsat satellite communication system, 2 x Inmarsat C and Inmarsat F systems.