



## VESSELS Pipelay

### Our Values



Safety



Integrity



Sustainability



Performance



Collaboration



Innovation



subsea 7

# Seven Navica

## Vessel Info

*Full specification overleaf*

**Seven Navica** is capable of installing both rigid and flexible products in water depths of up to 2,000m, with a top tension capacity of 205t.

- Length 109m x breadth 22m
- 60t offshore crane
- 2,200t main deck mounted storage and deployment reel
- 2-inch to 16-inch diameter rigid pipeline
- An optional 250t piggyback reel can be fitted as required
- 1x work-class ROV

## Fast Facts

- Various sizes of pipe laid in water depths from 17m to 2,000m
- In excess for 2,000km of pipe laid so far, including piggy back of both Rigid Pipe and Flexible's
- 6km of Pipe-in-Pipe laid
- Capable of short mobilisation
- Self-supporting with ROV capable of reaching distances up to 600m layback



Seven Navica

subsea 7

### General Information

Classification	<b>DNV, 1A1, SF, DYNPOS AUTR HL (2.8), DK+, HELDK-S</b>
Built	<b>Aker-Brattvaag, Norway (1999)</b>
Flag State Authority	<b>Isle of Man Government</b>
Port of Registry	<b>Douglas</b>

### Principal Dimensions

Overall Length	<b>108.53m</b>
Breadth	<b>22.00m</b>
Depth (main deck)	<b>9.00m</b>
Draught (summer)	<b>7.165m</b>
Draught (tropical)	<b>7.341m</b>
Deadweight	<b>9,560t</b>
Gross Tonnage	<b>6,083t</b>
Net Tonnage	<b>1,825t</b>

### Main Deck

Deck Area (main deck)	<b>300m<sup>2</sup></b>
Deck Area (mezzanine deck)	<b>180m<sup>2</sup></b>
Deck Strength (main deck)	<b>10t/m<sup>2</sup></b>

### Tank Capacities (100%)

Fuel Oil	<b>2,683m<sup>3</sup></b>
Fresh Water	<b>1,218m<sup>3</sup></b>
Ballast Water	<b>2,203m<sup>3</sup></b>
Lub. Oil	<b>40.4m<sup>3</sup></b>

### Power and Propulsion

Main Engines / Generators	<b>2x 2,700kW (Diesel Electric)</b> <b>2x 3,600kW (Diesel Electric)</b>
Main Propulsion	<b>2x 3,000kW contra rotating azimuth thrusters</b>
Tunnel Thrusters (bow)	<b>2x 1,300kW (Kamewa)</b>
Azimuth Thruster (bow)	<b>1x 1,200kW (Aquamaster retractable)</b>

### Speeds / Fuel Consumption

Maximum Speed	<b>14kt</b>	<b>35m<sup>3</sup>/day</b>
Normal Speed	<b>12kt</b>	<b>28m<sup>3</sup>/day</b>
Economic Speed	<b>9kt</b>	<b>15.4m<sup>3</sup>/day</b>
DP Operations		<b>17.4m<sup>3</sup>/day</b>

### DP Systems

DP Classification	<b>DYNPOS AUTR (Class II)</b>
ERN Rating	<b>99.99.99</b>
DP System	<b>K-Pos</b>
Reference Systems	<b>3x DGPS</b> <b>1x Hlapap</b> <b>1x Radius</b> <b>2x Spottrack</b> <b>1x LWTW (Laid up, available on project request)</b>

### Cranes

Main Deck Crane (Main Line)	<b>60t at 18m (double fall)</b> <b>30t at 29m (single fall)</b> <b>Outreach maximum 49m, minimum 5m.</b> <b>4x SWL 1.5t at 6m</b>
Groves Cranes	

The main deck crane (TTS knuckle boom) is certified for man riding operations up to 2.5t. The vessel has a man riding basket suitable for 1.25t man riding operations. The main deck crane is certified for Ship to Ship Transfers (maximum 15t).

### Pipelaying System

The vessel is fitted with one 2,200t (approx - depending on overall vessel payload) main deck mounted storage and deployment reel. An optional piggyback reel can be fitted as required. A lay ramp system is permanently installed for deployment of a range of products at varying lay angles from 20° to 90° (time taken 60 minutes). The lay ramp system comprises of a guide chute, piggyback chute, pipe straightener, 205t tensioner, hold back clamp, roller box, two abandonment and recovery sheaves and two ramp elevators. One 250t and one 50t abandonment and recovery systems are provided.

### ROV Systems

ROVs (No. and type)	<b>1x SCV32</b>
Operating Depth Rating (m)	<b>3000m</b>
ROV Comments:	100HP work-class ROV with Slingsby Top Hat TMS deployed via A-frame from Starboard Side. Maximum working 2.5m significant wave height.

### Helideck

The vessel is fitted with an approved and certified helideck. The helideck has a D value of 19 and is approved for Super Puma helicopter operations (9.3t).

### Comms Systems

The vessel is fitted with Fleet 77 and Dual Antennae KU Band systems.

### Accommodation

Double	<b>31</b>
Single	<b>22</b>
Total beds	<b>84</b>



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