



VESSELS

Pipeline

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

Principal Dimensions

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

Main Deck

Deck Area (main deck)	300m²
Deck Area (mezzanine deck)	180m²
Deck Strength (main deck)	10t/m²

Tank Capacities (100%)

Fuel Oil	2,683m³
Fresh Water	1,218m³
Ballast Water	2,203m³
Lub. Oil	40.4m³

Power and Propulsion

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

Speeds / Fuel Consumption

Maximum Speed	14kt	35m³/day
Normal Speed	12kt	28m³/day
Economic Speed	9kt	15.4m³/day
DP Operations		17.4m³/day

DP Systems

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

Cranes

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

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)	1x SCV32
Operating Depth Rating (m)	3000m
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	31
Single	22
Total beds	84



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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.

