



VESSELS Pipelay

Our Values



Safety



Integrity



Sustainability



Performance



Collaboration



Innovation



subsea 7

Seven Vega

Vessel Info

Full specification overleaf

Subsea7's most capable reel-lay vessel is designed to install complex rigid flowlines including pipe-in-pipe systems, piggyback systems and electrical trace heating, in water depths up to 3,000m.

- Length 149m x breadth 33m
- Reel total storage capacity of 5,600t
- Single pipe up to 20-inch
- Maximum dynamic top tension 600t
- Accommodation for 120 persons
- Heave compensated 250t crane
- 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, SLWR's and SCR's in 2,000m
- Global reel-lay vessel with completed projects in Europe, North America, South America, and Africa
- Proven track record operating in water depths from 64m to 2,150m, efficient deployment in complex field layouts.
- Large capacity reel offering the ability to hold multiple pipelines to minimise number of offshore trips.



Seven Vega

subsea 7

General Information

| | |
|----------------------|--|
| Classification | Lloyd's Register of Shipping (LRS), 100A1 WDL (10t/m²) Strengthening of work deck 10t/m² (aft of frame 69), Helicopter Landing deck, ECO (BWT, NOx3, LMC, SPS, UMS, DP(AAA), CAC(3), ICC, NAV-1, IBS Safe bridge, *IWS, Ice Class 1D, Winterisation H(-30) D(-30) Royal IHC, Netherlands 2020 Isle of Man |
| Built | |
| Flag State Authority | |

Principal Dimensions

| | |
|-------------------|----------------|
| Length Overall | 149.2m |
| Breadth | 33m |
| Depth to maindeck | 13m |
| Draught design | 8.3m |
| Deadweight | 10,800t |
| Gross Tonnage | 21,924t |
| Net Tonnage | 6,577t |

Main Deck

| | |
|-----------------------|---|
| Deck Area (main deck) | 800m² (approximately) |
| Mezz deck (stbd) | 90m² |
| Deck Strength | 10t/m² |

Tank Capacities (100%)

| | |
|---------------------------|---------------------------|
| Marine Gasoil | 2,900m³ |
| Potable Water | 725m³ |
| Ballast Capacity | 6,535m³ |
| Technical FW (in WB tank) | 1,680m³ |
| Heeling/Stabiliser Tanks | 1,255m³ |

Power and Propulsion

| | |
|---------------------------|---|
| Main Engines / Generators | 3x 3,500kW |
| | 3x 4,000kW |
| Propulsion | 3x 3,200kW stern azimuth thrusters |
| | 2x 2,400kW retractable bow azimuth thrusters |
| | 2x 2,200kW bow tunnel thruster |

Vessel Speeds and Fuel Consumption

| | |
|---------------------------------|------------------------------|
| Maximum Speed | 13.0 knots |
| Economic Speed | 10.5 knots |
| Economic Speed Fuel Consumption | 45.0m³/day |

Bollard pull

| | |
|----------------------|-----------------------------------|
| Maximum bollard pull | 100t (in DP3 failure mode) |
|----------------------|-----------------------------------|

DP Systems

| | |
|-------------------|-----------------------------|
| DP Classification | DP (AAA) - Class III |
| DP System | Kongsberg |
| Reference Systems | 3x DGPS |
| | 2x HiPAP |
| | HPR interface |
| | Radius Spot Track |

Cranes

| | |
|------------------------|--------------------------|
| Main crane | 250t, 3,000m, AHC |
| Auxiliary deck crane 1 | 200t, 3,000m, AHC |
| Auxiliary deck crane 2 | 20t |
| Ramp top crane | 20t |

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

Pipelaying System

The vessel is fitted with two reels. The maximum storage capacity of the main reel is 5,600t and can stow products from 4" to 20" diameter. The secondary reel is 1,600t. The maximum combined capacity is 5,600t.

The maximum dynamic top tension is 600t. This is from the upper tensioner 162t, lower tensioner 318t and 120t back tension.

The system can deploy PLETs measuring 5m x 5m x 10m.

The system is fitted with two 325t abandonment and recovery winches. These can be used in a combined mode to recover a catenary weight of 600t.

Other parameters;

- Ramp angle 45°-95°
- Piggyback DEH and rigid
- Flexible pipe top tension 210t
- Aligner diameter - 21m
- 70t spooling-on tensioner
- Twin level work station and traveling platform
- Straightener for 14-inch x 18-inch pipe-in-pipe

ROV Systems

The vessel is fitted with two permanently installed side launching work-class XLX-EVO ROV systems rated to 3,000m positioned mid ships.

Helideck

The helideck is approved for Super Puma, S61N, S76 and S92. Kongsberg HMS 300 is fitted.

Comms Systems

Standardised dual antenna KU Band with Marlink.

Accommodation

| | |
|---------------|-----------|
| 120 persons | |
| Suites | 4 |
| Single Cabins | 42 |
| Double Cabins | 37 |



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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.

