



Pioneering Spirit

World's largest and most versatile construction vessel, built to transport, install and remove the largest offshore facilities in a single piece.

Specifications

Length overall	382 m
Breadth	124 m
Slot length	122 m
Slot width	59 m
Operational draught	10 – 27 m (incl. thrusters)
Transit draught	11.5 m
Maximum draught	27 m
Air draught	57 m (at 26 m draught)
Installed power	95,000 kW
Maximum speed	14 knots
Accommodation	571 persons
Thrusters	12x 6,050 kW fixed pitch azimuth
Dynamic positioning	DP3, K-Pos DP-22, 2x cJoy system
Topsides lift capacity	60,000 t
Jacket lift capacity	20,000 t
Special purpose crane	5,000 t at 35 m radius (main hoist)

Technical highlights

- ▲ Unique motion compensated, single-lift technology enables large lifts in hostile seas
- ▲ Capable of lifting complete topsides up to 60,000 t and jackets up to 20,000 t
- ▲ Significantly reduces the amount of offshore work associated with platform installation and decommissioning
- ▲ Moves activities onshore where they are safer and more cost effective
- ▲ Safely lifted and transported more than 460,000 t of offshore facilities since becoming operational in 2016



Pioneering Spirit

The largest and most advanced pipelay vessel in the world, capable of installing record-weight pipelines in all water depths.

Specifications

Length (incl. stinger and lifting beams)	477 m
Length overall	382 m
Breadth	124 m
Operational draught	10 – 27 m (incl. thrusters)
Thrusters	12x 6,050 kW fixed pitch azimuth
Dynamic positioning	DP3, K-Pos DP-22, 2x cJoy system
Pipelay equipment	Double-joint factory with 5 line up stations + 2 welding stations 260 m main firing line with 6 (double joint) welding stations, 1 NDT + 6 coating stations Removable bevelling station on main deck Additional firing line for piggyback pipe
Tension capacity	2,000 t (4x 500-t tensioners)
Multi-purpose crane	600 t at 20 m radius (main hoist)
Pipe transfer cranes	3x 50 t at 55 m radius (main hoist)
Pipe diameter range	6 – 68 inch (OD)
Pipe cargo capacity	27,000 t

Technical highlights

- ▲ Pipe tension capacity of 2,000 t, double that of any rival pipelay vessel
- ▲ Double-joint factory, six welding stations, and vast pipe storage for uninterrupted, high-speed pipelay
- ▲ High workability in hostile areas and less weather sensitive due to enormous size
- ▲ Installed large diameter pipe in water depths ranging from a few metres up to approx 3,000 m water depth
- ▲ Capable of heavy/large subsea structure installation close to critical live infrastructure