

Pioneering Spirit

Ship type Pipe lay	Ship owner ALLSEAS Engineering B.V.	Shipyard Daewoo Shipbuilding & Marine Engineering Co.	Project type Newbuild
Ship status Delivered	Design scope Basic, Detail	Delivery year 2014	



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Commission for the Ship Owner

Basic and detail design, including

- ▶ Updating client-provided P&IDs and D&IDs, performing structural design and calculations/analysis for large equipment foundations, supporting structures, and smaller deckhouses
- ▶ Electrical and instrumentation (E&I) design, excluding power generation, high-voltage distribution, and propulsion systems, as well as preparing technical specifications for procurement purposes

- ▶ A complete TRIBON M3 3D model featuring structures according to updated scantling drawings, openings for windows, doors, and stairs, as well as reinforcements for heavy equipment and penetrations for piping, ducting, and cable trays
- ▶ Main mechanical and electrical equipment, equipment foundations, and piping DN 25 and larger with supports
- ▶ Ventilation and spiro ducts, cable trays and their supports, deck outfitting equipment such as anchoring, mooring, cranes, and lifesaving gear, and steel outfitting including stairs, ladders, platforms, and railings
- ▶ 2D accommodation interior parts, 2D electrical and instrumentation details, calculations, and a cable database

Project Features

- ▶ Pioneering Spirit is the largest offshore construction vessel in the world
- ▶ The vessel is designed for the single-lift installation and removal of offshore platforms and the installation of record-weight pipelines
- ▶ The largest-ever TRIBON 3D model by Deltamarin
- ▶ Short engineering time, with up to 300 engineers involved at peak
- ▶ Online access to all project documents via Deltamarin's web-based Document Management System
- ▶ MTOs and weight information available before entering yard discussions
- ▶ Access to the 3D model and the ability to control the detailed engineering phase
- ▶ Handed-over 3D model provides a solid platform for the yard to continue the work

Main dimensions

Dwt	499 125
GT	403 342
Capacity	Topside lift 48,000t

LoA 382

Beam 123,75

Draught 19,85

Additional Information

IMO Number 9593505

For more information, please contact:



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