

Polarcus Nadia

12 streamer 3D/4D seismic vessel

Overview

Delivered in 2009 Polarcus Nadia is an ultra-modern 12 streamer 3D/4D seismic vessel. Built to the ULSTEIN SX124 design and incorporating the innovative ULSTEIN X-BOW® hull, this vessel combines the latest developments in maritime systems with the most advanced seismic technology commercially available. The vessel is also amongst the most environmentally sound seismic vessels in the market with diesel-electric propulsion, high specification catalytic convertors, double hull, and advanced bilge water cleaning system. This vessel complies with the stringent DNV CLEAN DESIGN notation.

Vessel

- Design ULSTEIN SX124
- Builder Drydocks World Dubai LLC
- Date Built 2009
- Flag Bahamas
- Classification DNV 1A1, SF, E0, DYNPOS-AUTR, CLEAN DESIGN, COMF-V (3), ICE-C, NAUT-AW, HELDK
- Helideck Sikorsky S-61N / S-92
- Length Overall 88.8m
- Beam 19.0m
- Max Draft 6.6m
- Gross Tonnage 6570
- Propulsion Diesel Electric
- Maximum Speed 15.0 knots
- Bollard Pull 100t
- Fuel Capacity 1,540 m3 gas-oil
- Main Engines 6 x Wartsila 9L20, MCR rating 1800kW at 1000rpm
- Main Propulsion 2 x Schottel SRP 3030 CP at 3100kW
- Bow Thrusters 1 x Brunvoll tunnel thruster at 1200kW
1 x Brunvoll retractable azimuth thruster at 850kW
- DP System Kongsberg K-Pos DP-21 - DPII
- Berths 69, including 23 single cabins

Navigation & Positioning

- Radar plants S-band ARPA radar
X-band ARPA radar
- Navigation ECDIS chart system, DGPS

Communications

- Primary GMDSS A4
- Secondary Inmarsat F Fleet-77
- Communication VSAT

Seismic Systems

- Seismic Source Sercel G Gun II dual sources
- Marine Compressor 3 x LMF Compressors
- Streamer config. (max) 12 x 8,000m
10 x 10,800m
8 x 12,000m
- Streamer Type Sercel Sentinel solid streamers
- Acquisition System Sercel Seal Marine Data Acquisition System
- Navigation System ION Orca
- Streamer Positioning ION DigiBIRD depth controllers, DigiRANGE acoustics and DigiFIN lateral controllers
- Source Controller Seemap GunLink 4000 fully distributed digital gun controller

