

Polarcus Amani

14 streamer 3D/4D arctic-ready seismic vessel

Overview

Delivered in 2012, Polarcus Amani is a ultra-modern, super high ice class, 14 streamer 3D/4D seismic vessel. Built to the ULSTEIN SX134 design and incorporating the innovative ULSTEIN X-BOW® hull, the 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 vessel in the market with diesel-electric propulsion, high specification catalytic convertors, double hull and advanced ballast water treatment / bilge water cleaning systems. The vessel comply with the stringent DNV GL CLEAN DESIGN notation.

Vessel

- Design ULSTEIN SX134
- Builder Ulstein Verft
- Date Built 2012
- Flag Bahamas
- Classification DNV GL 1A1, SF, E0, DYNPOS-AUTR, CLEAN DESIGN, COMF-V (3), ICE-1A*, WINTERIZED BASIC, NAUT-AW, HELDK, BWM-T, TMON, SPS
- Helideck Sikorsky S-61N / S-92
- Length Overall 92.0m
- Beam 21.0m
- Max Draft 7.5m
- Gross Tonnage 7709t
- Propulsion Diesel Electric
- Maximum Speed 17.0 knots
- Bollard Pull 147t
- Fuel Capacity 1,925 m3 gas-oil
- Main EnginesWartsila 4 x 9L20 & 2 x 9L26
MCR rating 1720 & 2850ekW at 1000rpm
- Main Propulsion 2 x CP propeller at 4400kW
- Stern Thrusters 1 x Brunvoll tunnel thruster at 830kW
- Bow Thrusters 1 x Brunvoll tunnel thruster at 1200kW
1 x Brunvoll retractable azimuth thruster at 850kW
- DP System DP II
- Berths 60, including 32 single cabins

Navigation & Positioning

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

Communications

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

Seismic Systems

- Seismic Source Bolt Technology 1500-LL/1900-LLXT dual sources
- Marine Compressor 3 x LMF Compressors
- Streamers 14
- Streamer Type Sercel Sentinel solid streamers
- Acquisition System Sercel Seal Marine Data Acquisition System
- Navigation System ION Orca
- Streamer Positioning ION DigiBIRD depth controllers and DigiRANGE acoustics
- Source Controller Seamap GunLink 4000 fully distributed digital gun controller

