

Polarcus Alima

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

Overview

Delivered in Q1 2011 Polarcus Alima is an ultra-modern, high ice class, 12 streamer 3D/4D seismic vessel. Built to the ULSTEIN SX134 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 converters, double hull and advanced ballast water treatment / bilge water cleaning systems. This vessel complies with the stringent DNV CLEAN DESIGN notation.

Vessel

- Design ULSTEIN SX134
- Builder Drydocks World Dubai LLC
- Date Built 2010
- Flag Bahamas
- Classification DNV 1A1, SF, E0, DYNPOS-AUTR, CLEAN DESIGN, COMF-V (3), ICE-1A, WINTERIZED BASIC, NAUT-AW, HELDK, BWM-T, IMO code SPS-2008
- Helideck Sikorsky S-61N / S-92
- Length Overall 92.0m
- Beam 21.0m
- Max Draft 7.5m
- Gross Tonnage 7420t
- Propulsion Diesel Electric
- Maximum Speed 15.0 knots
- Bollard Pull 135t
- Fuel Capacity 1,925 m3 gas-oil
- Main EnginesWartsila 4 x 9L20 & 2 x 9L26
MCR rating 1800 & 2850ekW at 1000rpm
- Main Propulsion 2 x Berg CP propeller at 3750kW
- 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 Kongsberg K-Pos DP-21 - DP11
- 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 12
- 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

