

Polarcus Amani

12-14 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 converters, double hull and advanced ballast water treatment / bilge water cleaning systems. The vessel comply with the stringent DNV CLEAN DESIGN notation.

Vessel

• Design	ULSTEIN SX134
• Builder	Ulstein Verf
• Date Built	2012
• Flag	Bahamas
• Classification	DNV 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	135t
• Fuel Capacity	1,925 m3 gas-oil
• Main Engines	Wartsila 4 x 9L20 & 2 x 9L26 MCR rating 1720 & 2850ekW at 1000RPM
• Main Propulsion	4 x CP propeller at 2200kW
• 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	DPII
• 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

