

# Polarcus Asima

12 streamer ARCTIC-READY 3D/4D seismic vessel

## Overview

Delivered 2010 Polarcus Asima 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 convertors, 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	7894t
• Propulsion	Diesel Electric
• Maximum Speed	15.0 knots
• Bollard Pull	135t
• Fuel Capacity	1,925 m3 gas-oil
• Main Engines	Wartsila 4 x 9L20 & 2 x 9L26 MCR rating 1800 & 2850kW 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

