

# Polarcus Nadia & Polarcus Naila

12 streamer 3D seismic vessels



## Overview

Launching in 2009 the Polarcus Nadia and Polarcus Naila are both ultra-modern 12 streamer 3D seismic vessels. Built to the ULSTEIN SX124 design and incorporating the innovative ULSTEIN X-BOW® hull, these vessels combine the latest developments in maritime systems with the most advanced seismic technology commercially available. The vessels are also amongst the most environmentally sound seismic vessels in the market with diesel-electric propulsion, high specification catalytic convertors, double hulls, and advanced bilge water cleaning systems. These vessels comply with the stringent DNV CLEAN DESIGN notation.

## Vessel

- Owner Polarcus Group
- 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 m<sup>3</sup> 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 - DP II
- 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



## Po-lar-cus (pō-lăr'kŭs)

*n.*

1. A pure play marine geophysical company with a pioneering environmental agenda, specializing in high-end towed streamer data acquisition from pole to pole.

[from the Latin *polus*, pole and *arcus*, bow, a curved structure.]

EXPLORE GREEN™



[www.polarcus.com](http://www.polarcus.com)