

# Northern Lighthouse Board Marine Services



Truly versatile ships offering specialist marine support services...



# Northern Lighthouse Board...

## Over 200 years of service to the mariner....

In the Northern Lighthouse Board the provision of reliable, cost effective and efficient aids to navigation is our core business. Our skills in this vital field have been built up over 200 years of service to the mariner in the harshest of marine environments. Our equipment, and the service we provide, has to work – navigational safety depends upon it. Accredited to ISO9001 and ISM certified, we are proud to offer this level of service and reassurance to our customers.

## Vessel Services

Equipped to levels normally only found in much larger vessels, NLV PHAROS and NLV POLE STAR provide versatile platforms for research, sea trials, hydrographic surveying and other marine support services.

## Aids to Navigation provision, maintenance and servicing

Our commercial Aids to Navigation services include provision of temporary or permanent Aids to Navigation, deployment or removal, solarisation, maintenance servicing and refurbishment. Whether marking a port approach, marine renewable energy sites or a decommissioned oil rig, we can design a solution to suit.

## Professional Advisory Services

The Northern Lighthouse Board provides innovative solutions in the areas of marking of decommissioned oil & gas installations, solarisation in extreme climates and aids to navigation.

## Marine Base Support

NLB Oban offers full modern marine base support facilities including secure berthing services (up to 85m), ultra high pressure washing, paint spray booth, electrical & electronic testing and engineering support.

Whatever your aids to navigation needs, we can help – we know the environment, understand your requirements and will work with you to provide the best possible solution.

**It's our core business –**

**let our innovative and dependable solutions help you to concentrate on yours...**



# Marine Services



A wealth of experience...

- Buoy...
  - Rental
  - Service
  - Deployment
- Moorings...
  - Deployment
- Survey...
  - Hydrographic
  - Sampling
- Marine Hazards...
  - Search
  - Marking
- Aids to Navigation...
  - Decommissioned Offshore Structures
  - Maintenance
- Sea Trials...
  - Electronic and speciality equipment
- Berthing and Base Support...



# NLV PHAROS...

**NLV PHAROS** was welcomed into service in March 2007. She has an overall length of 84.25 metres and breadth of 16.50 metres. The level of sophistication in her equipment is not normally found in a vessel of her size and boasts dynamic positioning (DP II), a large aft working deck area, integrated bridge management system and forward helicopter flight deck. A full hydrographic survey suite and moon pool make her an ideal survey and research platform. PHAROS also supports land-based operations by helicopter or small craft and can act as a mobile project support base for operations in remote areas. PHAROS has a crew of 18, with additional accommodation for 12.



## NLV PHAROS General Particulars...

**Class - Lloyd's Register (LR) with Notations:**  
+100A1, +LMC, +UMS, CAC, DP(AA), MCM,  
NAV, IBS, LA, EP

**Gross Tonnage:** 3,672 tonnes

**Net Tonnage:** 1,101 tonnes

**Deadweight:** 1,197 tonnes

**Length overall:** 84.25 metres

**Breadth moulded:** 16.50 metres

**Draught, maximum:** 4.25 metres

**Air draught:** 30 metres

**Manning (crew):** 7 Officers  
11 Ratings

**Accommodation:** 30 cabins, all en suite  
(10 single & 1 twin for supernumeraries)  
3 recreation rooms

**Maximum Speed:** 13.5 knots

**Normal service speed:** 12.5 knots

**Aft working deck area:** 300m<sup>2</sup>

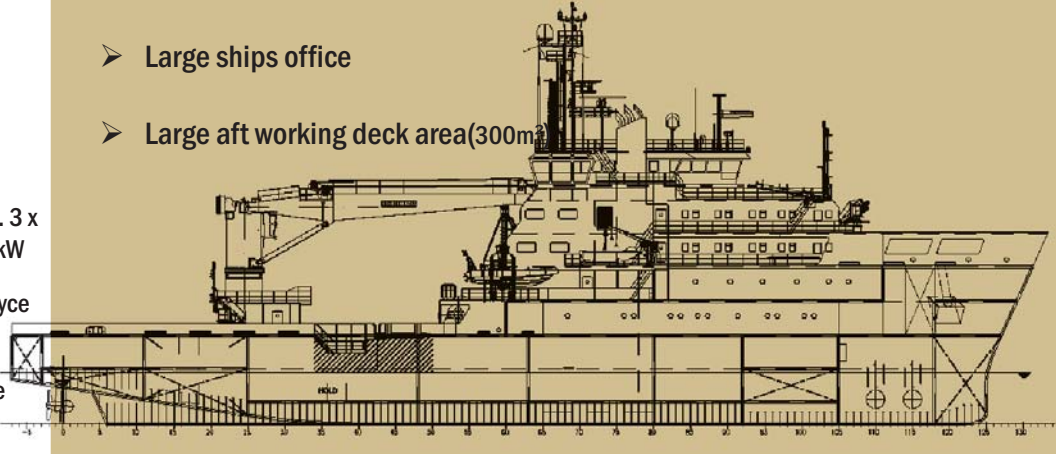
**Main Generator Engines:**  
Wartsila 8L20 & 4L20. 3 x  
1,440kW and 2 x 720kW

**Propulsion:** 2 x 1,500kW Rolls- Royce  
azimuth units

**Bow Thrusters:** 2 x 750kW Rolls-Royce  
direct reversing tunnel  
thrusters

### Equipped with:-

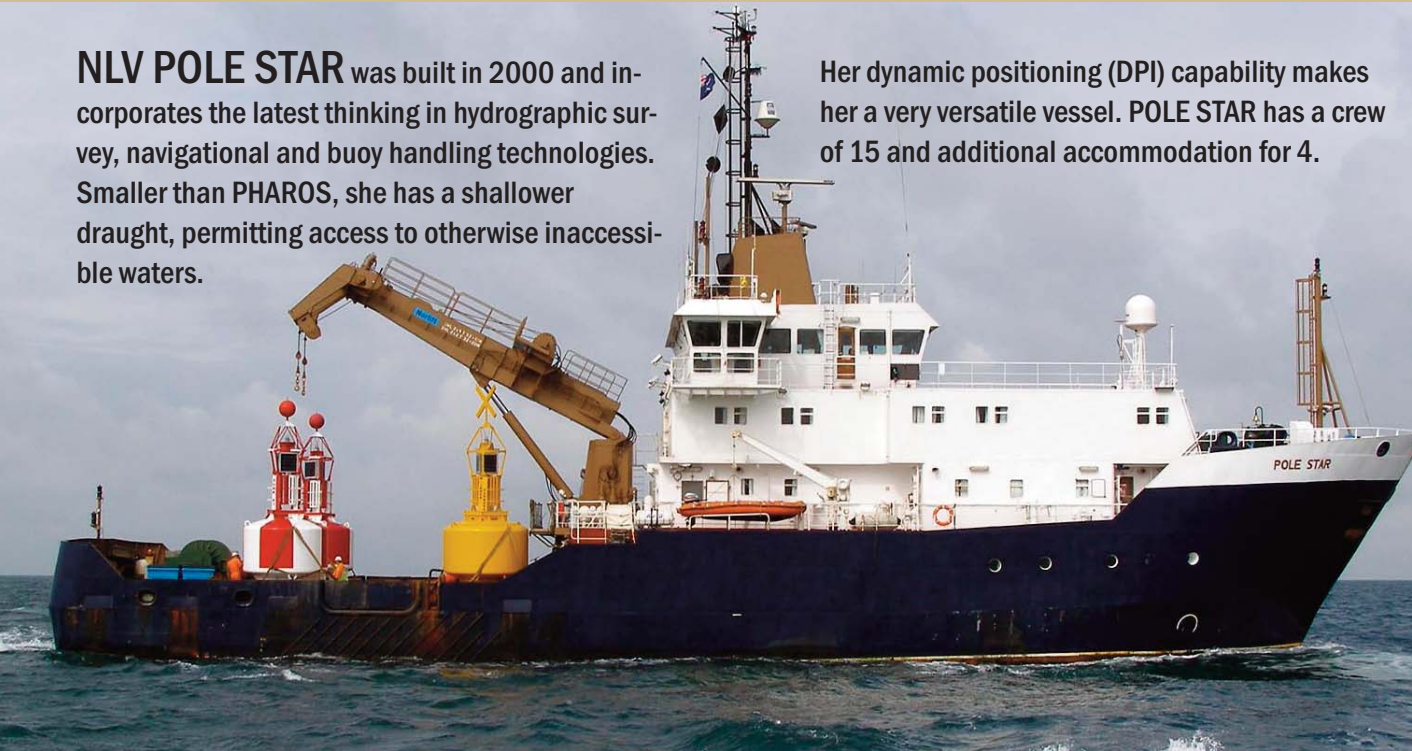
- Specialised buoy & mooring handling
- Dynamic positioning, DP Class II
- Integrated bridge management system
- Hydrographic survey equipment
- Wreck finding equipment
- 30 Tonne Crane
- Forward helicopter flight deck
- Tow winch (bollard pull 37.5 tonnes)
- Large ships office
- Large aft working deck area(300m<sup>2</sup>)



# NLV POLE STAR...

**NLV POLE STAR** was built in 2000 and incorporates the latest thinking in hydrographic survey, navigational and buoy handling technologies. Smaller than PHAROS, she has a shallower draught, permitting access to otherwise inaccessible waters.

Her dynamic positioning (DPI) capability makes her a very versatile vessel. POLE STAR has a crew of 15 and additional accommodation for 4.



Truly versatile ships...

## NLV POLE STAR General Particulars...

Class - Lloyd's Register (LR) with notations:  
+100A1, LA, +LMC, UMS

Gross Tonnage: 1,174 tonnes

Net Tonnage: 352 tonnes

Deadweight: 437 tonnes

Length overall: 51.52 metres

Breadth moulded: 12 metres

Draught, maximum: 3.46 metres

Air draught: 24.50 metres

Manning (crew): 6 Officers  
9 Ratings

Accommodation: 17 cabins, all en suite  
(2 x twin berth for supernumeraries)  
2 recreation rooms

Maximum Speed: 13 knots

Normal service speed: 12 knots

Aft working deck area: 90m<sup>2</sup>

Main Generator Engines:

Cummins Wartsila  
8L170. 3 x 920kW

Propulsion: 2 x 1,000kW Rolls-Royce  
azimuth units

Bow Thrusters: 2 x 210kW Brunvoll  
controllable pitch tunnel  
thrusters

### Equipped with:-

- Specialised buoy & mooring handling
- Dynamic positioning, DP Class I
- Integrated bridge management system
- Hydrographic survey equipment
- Wreck finding equipment
- 18 tonne crane



More than lighthouses - [www.nlb.org.uk](http://www.nlb.org.uk)

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The Northern Lighthouse Board is Certificated to:

- BSEN ISO 9001:2000 Quality Management Standard
- International Safety Management Code (ISM Code)
- OHSAS 18001
- BS ISO/IEC 27001:2005