

NLV PHAROS & NLV POLE STAR



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SURVEY EQUIPMENT...

- Kongsberg EA 400 Single Beam Echo sounder
- Kongsberg EM 3002 Multi Beam Echo sounder
- Applied Microsystems Smart SV (Sound Velocity) Probe 5053. This is fixed in hull.
- Applied Microsystems Smart SVP (Sound velocity and Pressure) Probe 5061. This is portable, and used for measuring sound velocity in water at depth.
- Simrad SL 35 Hull Sonar
- Caris 4.4a and Fledermaus 6.2.0a post processing
- Valeport Tide gauge system. Model 750 Radio telemetry buoy. This is laid in selected position remote from vessel, and data is fed back to ship by UHF radio link.
- Sperry ES 5100 Navigation echo sounder.
- DGPS:-
 - 1) Navigation Leica MX 420
 - 2) Dynamic Pos Seastar DPS 116, with correction from Fugro Seastar
 - 3) Hydrography Applanix PosMV
- Northrop Grumman Sperry Integrated Bridge System
- Satellite Broadband Internet Access
- Moon pool (Pharos only). Located forward end of main deck approx. 35m from the stern and on centreline. 1062 x 1074mm. Instrument cage lowered by hoist to ship's bottom. Flat plate on base of cage flush with ship's bottom to enable instrument mounting.
- Olex man-portable set for use in workboat.

