

PORTS, HARBOURS & COASTAL AIDS TO NAVIGATION SYSTEMS



Industry Leading AtoN Solutions

Pharos Marine Automatic Power offers a wide range of Aids to Navigation products designed to meet or exceed US Coast Guard regulations and applicable IALA recommendations for any size Ports, Harbours or Coastal application in the world.

From the outer sea to the most congested inner harbours, PMAP products ensure mariners safe passage through navigable waters with dependable AIS positioning data and real time meteorological/hydrological information, guiding lights and a variety of buoys that are capable of being outfitted with all of the above.

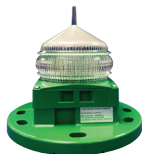
A Legacy of Excellence

Named after the famous lighthouse that stood on the Isle of Pharos in Alexandria, Egypt, Pharos Marine began making aids to navigation more than 100 years ago. To date, Pharos Marine Automatic Power has provided products for some of the most famous navigation projects around the world, including the first oil rigs off the coast of Texas and the first buoys for the Panama Canal. Today PMAP continues to provide signaling, monitoring and power solutions, operating worldwide from offices in the US, UK and Singapore.



Standard Aids to Navigation Products

Marine Lanterns



A variety of LED and incandescent marine lanterns available with ranges in excess of 10NM. All feature options for synchronisation and remote monitoring.

Available in all IALA colours. Approved by the USCG, where applicable.

Self-Contained Marine Lanterns



Weather protected 3 - 6NM self-contained LED lanterns that are complete with their own solar power and battery systems, requiring no external power. Optional features include GPS synchronisation, external I/O port and charging port.

Available in IALA white, red, green and amber.

FA-249 Stainless Steel Marine Lanterns



3 - 10NM LED marine lanterns featuring 316L Stainless Steel housing to prevent corrosion in the harshest marine environments.

Available in all IALA colours.

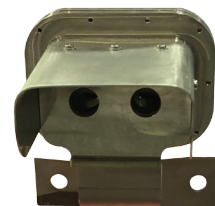
Stainless Steel Fog Signals

0.5 - 2NM Fog Signals designed at an optimum frequency to maximize range rating for both U.S. Coast Guard and IALA criteria. Stainless Steel housing and fixing materials to help prevent corrosion in harsh marine environments.



Stainless Steel Mini Fog Detector

Compact and lightweight unit measures meteorological optical range by determining the amount of light scattered by particles (smoke, dust, haze, fog, rain, and snow) in the air that passes through the optical sample volume.



Phalcon-NT Solid State Racon

Solid state RACON that works seamlessly with traditional and solid state radar solutions, and does not require the solid state radar to change its transmission mode.

Compliant to IALA Recommendation R-101 and Guideline No. 1010.



Navigation Buoys

PMB-2000 & PMB-2200

The modular buoy PMB range is intended for the beaconing of exposed sites. It offers a reinforced stability that guarantees an optimal service to users and a maximum safety for the maintenance staff while onboard.

The float section is built from 2 rotationally moulded polyethylene segments; the 2 segments of float are fastened together with marine stainless steel screws around the steel central structure to form a 2m diameter robust float section at waterline.

The polyethylene float is made from virgin material with high quality pigments in accordance to IALA chromaticity standards. The steel central structure is manufactured in galvanised steel. It is intended to reinforce the buoy stability by lowering its centre of gravity.

The core of polyethylene module is made of closed cells foam, fully recyclable, providing a very good impact resistance.

1 mooring eye and 2 large lifting eyes facilitate handling operations during deployment and maintenance.

- Shape and dimensions in conformance with IALA recommendations
- Robustness and durability
- Exceptional day visibility
- Easy access to equipment
- Waterproof IP battery compartment
- Non-Slip Surface
- UV Stabilised Polyethylene
- Modular Construction



IALA Industrial Members Since 1966

- ④ Navigation Buoys
- ④ Lighthouse Equipment
- ④ Marine Lanterns
- ④ Leading Lights
- ④ Sound Signals
- ④ Fog Detectors
- ④ Radar Beacons
- ④ AIS - AtoN Type 1, 3 and Repeater
- ④ AIS System Performance Analysis Software
- ④ Remote Monitoring and Control Systems
- ④ Weather Stations
- ④ Installation and Commissioning





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