

SEA Class 18 Survey Motor Launch



The 18m SEA Class Survey Motor Launch is the largest variant of the SEA Class range. Renowned for its sea keeping capability, the craft offers AEUK's modular and fully integrated capability for hydrographic survey. The craft is equipped with Single and Multi-beam Echo Sounders, motion reference equipment, as well as the S2094 towed side scan sonar system.

A comprehensive processing suite is located within the climate controlled survey module, providing a spacious and comfortable working environment. The vessel is able to accommodate up to nine personnel in dedicated and comfortable below deck accommodation.

SEA Class Platform

Operational Performance

Proven, sea-going performance for assured safety during operations. Certified to DNV standards.

Affordable

With a modular, re-role capability, the craft can be easily reconfigured to the user's requirements.

Survey Performance

Integrated survey systems to provide a class-leading capability for naval users.

Commonality

Common components with the SEA Class range reduce spares holdings and through-life costs.

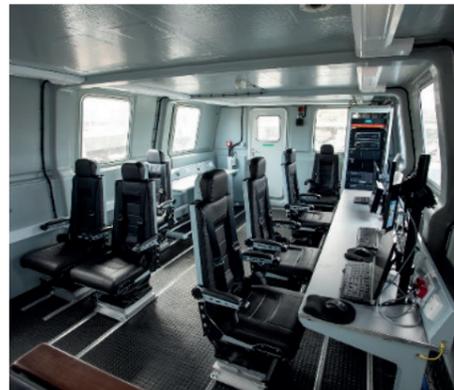
... a sound decision

Atlas Elektronik delivered an 18m Survey Motor Launch (SML) to the Royal Navy which entered into service in 2018. HMS Magpie is the newest addition to the RN's hydrographic squadron, replacing veteran survey launch HMS Gleaner.



HMS Magpie's task is to survey the places other parts of the RN Hydrographic Squadron cannot reach thanks to her size and shallow draft. Features include an extensive suite of survey grade hydrographic sensors along with AEUK's integrated IMO-approved Navigation Suite which is common with those systems used on much larger vessels in the RN fleet.

Equipped with galley facilities, showers and bunks, the 18m Survey Motor Launch (SML) is capable of operating offshore for seven days and provides ample accommodation for up to 12 crew members.



The vessel features shock mitigation seating throughout to increase crew safety and reduce fatigue. The survey module features networked workstations from which to monitor and process live survey data as well as for carrying out survey data Post Mission Analysis (PMA).



The spacious, flat after deck with optional crane allows for a wide range of payloads to be embarked or tasks to be conducted safely, and with ease. The deck features a deck rail system, common with the rest of the SEA Class range, to provide easy and rapid restraint of any deck cargo.

SEA Class boats are modular and offer a rapid re-role capability. They can be easily and rapidly reconfigured to undertake new roles and to meet new and emerging operational requirements.

The electronically operated twin engine and waterjet propulsion combination allows for ultimate control and manoeuvrability along with the ability to safely operate in shallow waters.



Commonality of equipment across the SEA Class range reduces the demand for spares holdings, reduces training and documentation burden and in turn reduces the through life cost of ownership.

All variants of the SEA Class platforms have the ability to be upgraded with the inclusion of AEUK's advanced autonomous control system to provide an optionally crewed, remotely operated or uncrewed, autonomous capability.



➤ Modular and fully integrated capability for hydrographic survey



➤ Accommodation for up to nine personnel

Platform Characteristics

- Length - 18.5m
- Beam - 6.4m
- Draft - 1.35m
- Lightships displacement - nominal 36,000kg
- Payload capacity - 4,000kg
- Propulsion - Twin engine, Water-jet
- Speed - up to 25 knots
- Operation - MCA 60 Miles, Cat 2
- Accommodation for nine personnel

Survey Module

- EA 2040 Single Beam Echo Sounder
- EM2040C Multi-beam Echo Sounder
- S2094 Side scan sonar
- Applanix POSMV
- C-Nav GPS

Operational Benefits

PERFORMANCE

- IMO-approved navigation suite
- Highly reliable propulsion
- High speed
- High manoeuvrability
- High payload capacity

PHYSICAL CHARACTERISTICS

- Road, sea and air transportable
- Modular re-role capability

SUPPORTABILITY

- Common components
- Minimal maintenance
- Minimal training requirement
- Full integrated logistic support

COST

- Affordable
- Upgradable
- Interchangeable modules

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