

ELAC SPHERE INSIDE

# SCOUT

## MINE AVOIDANCE SONAR FOR SUBMARINES

**ELAC Sphere Scout is the most flexible solution for obstacle and mine detection on board of a submarine.** The split transmitter and receiver arrays allow integration in virtually any bow design. The outstanding performance against moored mines and MLOs makes ELAC Sphere Scout the first choice.

ELAC Sphere Scout makes submarine operations in dangerous areas safer. This forward looking Mine and Obstacle Avoidance Sonar (MOAS) offers high-performance detection of objects in the water column with sufficient range to avoid hazardous outcomes. Numerous navies currently operate the system in different configurations.

### **Flexibility is the key**

ELAC Sphere Scout is operated on newly built submarines as well as on modernised ones. The modular design of components allows a flexible integration of the transmitter and receiver array as well as the inboard electronics. Control and display may be integrated in a dedicated console or multi-function control consoles already on board. In addition to MLO detection, ELAC Sphere Scout offers features such as bottom mapping for forward looking terrain charting and an optional surfacing mode to avoid collision with silent objects during the submarine's surfacing.

ELAC SONAR's experience in design and production of highly specialised transducers supports the integration process of the arrays in the submarine's bow. Depending on the space available between the torpedo tubes and other sensors, the arrays may be adapted for the best possible fit.

Like all navy systems offered by ELAC SONAR, ELAC Sphere Scout has been designed, built and certified in accordance to military standards, ensuring the highest possible availability and reliability of the system.

## Key features of ELAC Sphere Scout

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- ✓ Detection of MLOs in the water column
  - ✓ 3D forward looking sonar
  - ✓ Meets military standards
  - ✓ For refits and new designs
  - ✓ Stand-alone or fully-integrated
  - ✓ Safety distance to MLO
  - ✓ Interfaces with existing systems
  - ✓ Bottom mapping mode
  - ✓ Surfacing aid (optional)
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