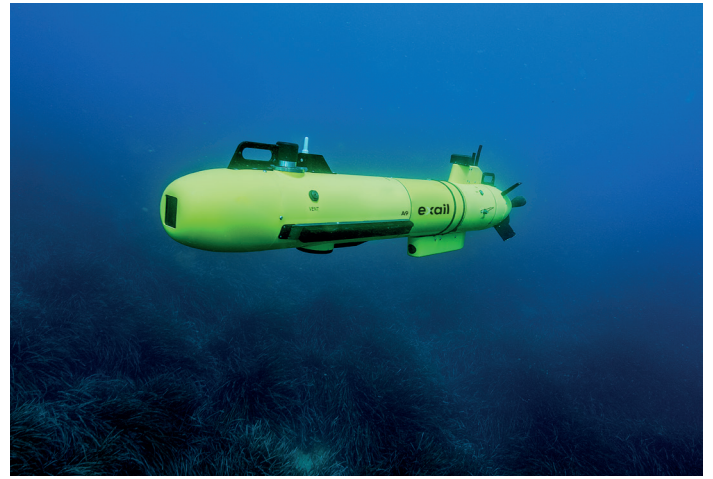


A9-M

Men portable low signature Autonomous Underwater Vehicle

- Easy to use, easy to deploy
- High-Resolution Side Scan Sonar
- Accurate Inertial Navigation System
- Modular architecture for easy maintenance
- Low magnetic and acoustic signature



CHARACTERISTICS

- Body diameter: 9 inches (23 cm)
- Length: 200 cm
- Weight: 70 Kg
- Energy section: 2.1kWh
- Navigation: INS (Inertial Navigation System), DVL, depth sensor and GPS
- Communication: Radio (UHF), WiFi, Ethernet, Acoustic, Iridium on request
- Safety: Emergency pinger, Strobe light, Fault and leak detection, on request: Obstacle Avoidance System, Local Remote Control for surface recovery
- STANAG 1364 compliant (submitted to French export regulations)
- Payload: Side Scan Sonar, Video, SVP (CTD and environmental sensors on request)

OPERATIONAL PERFORMANCES

- Endurance: up to 20 hours (with 2 Energy sections)
- Max speed: over 5 knots
- Nominal speed: 3 knots
- Operational depth: 3-300 m

SIDE SCAN SPECIFICATIONS

- Frequency: 455 kHz / 900 kHz dual simultaneous
- Pulse Technology Wideband FM Chirp (1, 2, 4, 8 msec)
- Across Track Resolution: 2,4 cm (455 kHz, 900 kHz)
- Horizontal Beamwidth 0,34°: (455 kHz and 900 kHz)
- Swath Range: 2*150 m @ 455 kHz - 2*75m @ 900 kHz

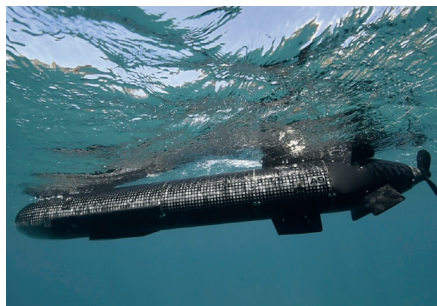
OPTIONS

- Obstacle Avoidance System
- Satellite Communication
- Interferometric Side Scan Sonar
- CTD
- Additional Energy Section
- Local Remote Control for surface recovery
- Handling and maintenance tools
- USBL



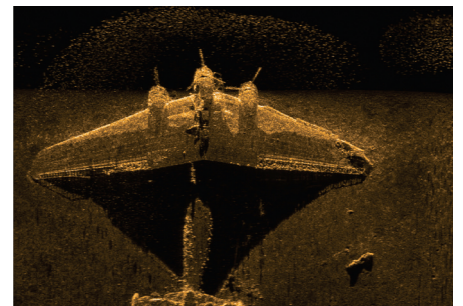
A9-M in operation

Stable and Accurate Navigation



Vehicle before start mission order

A9-M equipped with side scan sonar and Camera



A9 Sonar Data Quality and processing

Software Operation on a submerged aircraft in open sea SSS Mozaic