

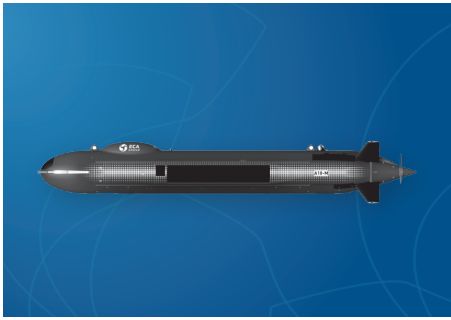
## A18-M / AUV

MID SIZE AUTONOMOUS UNDERWATER VEHICLE FOR MINE AND UXO DETECTION, CLASSIFICATION AND LOCALIZATION

- AUV WITH INTERFORMETRIC SYNTHETIC APERTURE SONAR (ISAS)
- LARGE AREA COVERAGE
- RAPID ENVIRONMENT ASSESSMENT
- AUTOMATIC TARGET RECOGNITION (ATR)
- EASY LAUNCH AND RECOVERY IN BAD SEA STATE CONDITION
- STANAG 1364 COMPLIANT SYSTEM

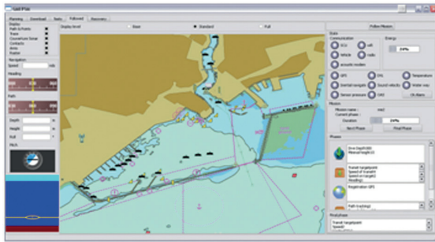
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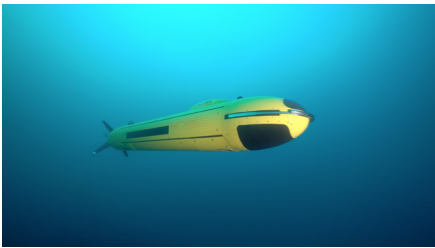


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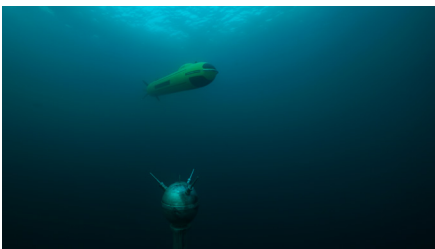
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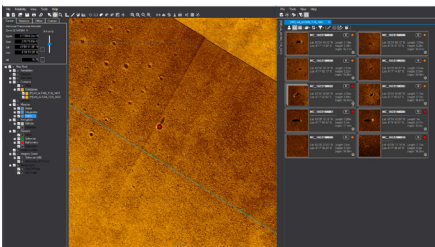
User friendly mission management system



A18-M in its MBES and LARS configuration



A18-M in operation



Post Processing Results

### CHARACTERISTICS

- BODY DIAMETER: 18 inches (46.5 cm)
- LENGTH: from 3.8 m
- WEIGHT: from 370 kg
- ENERGY SECTION: 10.6 kWh
- NAVIGATION: Inertial Navigation System (INS), Doppler Velocity Log (DVL), Global Positioning System (GPS)
- COMMUNICATION: WiFi, Ethernet, Iridium, Acoustic
- SAFETY: Emergency pinger, Strobe light, Fault and Leak detection, Obstacle Avoidance System, Iridium beacon, Local Remote Control for Surface Recovery
- STANAG 1364 compliance (Submitted to French export regulations)
- PAYLOAD: Synthetic Aperture Sonar (SAS), CTD
- Air transportable according to UN38.3 standard

### OPERATIONAL PERFORMANCES

- ENDURANCE: up to 24 hours at 3 knots
- MAX SPEED: up to 6 knots
- NOMINAL SPEED: 3-5 knots
- OPERATIONAL DEPTH: 3-300 m

### PAYLOAD PERFORMANCES

- AREA COVERAGE RATE (ACR): 1.9 km<sup>2</sup> / h at 4 knots
- FREQUENCY: 300 kHz
- MAX RANGE: 180 m
- MAX SWATH: 360 m
- RESOLUTION: 3 cm x 3 cm

### OPTIONS

- Multibeam Echosounder (MBES) or Volume Search Sonar (VSS)
- Still or Video Camera
- Turbidity sensor
- Additional sensors on request
- USBL or LBL external tracking system
- Surface ship integration
- Containerized C3
- LARS for small, large ship, or containerized solution
- Black paint Scheme