



### TRAILBLAZER DESCRIPTION

The Trailblazer MCM ROV is a lightweight, highly maneuverable solution for location, identification and disposal of underwater objects. Developed by ISE specifically for mine-counter-measure roles, the Trailblazer has successfully demonstrated its capabilities in Norway, Oman, Australia, the USA and Canada along with 4 other countries.

Trailblazer is equipped with a high-power propulsion system to allow ease of maneuvering in strong tidal currents meaning it can operate in ports and estuaries as well as in the open ocean. It has a low magnetic and acoustic signature with special consideration taken to enable close range inspection of mines and mine-like objects. Trailblazer is equipped with sonar and camera systems to enable operators to positively identify mines in a single survey without the need to put divers in the water. It can carry mine disposal charges, as well as a disruptor.



### Product Highlights

- High propulsion power for strong tidal currents
- Low acoustic and magnetic signature
- Sonar and Camera systems for rapid Identification
- Payload capacity for disruptor or mine disposal charges



## FEATURES & CAPABILITIES

These are the features that are built into the Trailblazer to ensure our customers achieve great results:

**Modular, Versatile and Configurable:** Change your tools, cameras, lights, and sensors

**Upgradability:** Spare I/O channels, mounting locations, and payload capacity for adding and removing equipment

**Auto-functions:** Station Keeping, Depth, Altitude, Heading, Speed, and Cruise Control with DVL

**LARS, TMS and Winch Options:** Garage TMS, A-Frame, Cursor, Gantry LARS, or Single Point Lift Bullet Latch

**Mine Disposal Equipment:** A selection of on board mine neutralization charges and disruptors



## TECHNICAL DATA AND SPECIFICATIONS

### TRAILBLAZER PERFORMANCE

- Depth Rating: 300, 500, 1500 m
- Speed: 6 kts coaxial velocity
- Power: 25 HP  
(30 and 50 HP available)

### WEIGHT AND DIMENSIONS

- Length: 2.5 m, Height 1.0 m, Width 1.0 m
- Weight: 700 kg

### NAVIGATION AND EQUIPMENT

- Navigation:
  - Flux Gate Compass (iXSea PHINS optional)
  - Imagenex sonar
  - HD Video
  - Optional DVL
- Positioning:
  - GPS Antenna
  - USBL Transponder
- Tooling: Optional 3 function manipulator, optional bomb rack
- Umbilical: 900 m lightweight cable (typical, other lengths available)
- Mine Disposal: 4 x 22 kg Explosive charges or a Disruptor system
- Handling: A-Frame or Knuckle Boom Cranes available
- Container:
  - Standard 6 m ISO Container for shipping
  - Control and Maintenance Vans available

### APPLICATIONS

- Mine-hunting
- Surveillance
- Marine life monitoring
- Pipeline and sub-sea cable monitoring

### INDUSTRIES

- Military
- Defence (Surveillance)
- Scientific Research
- Environmental Monitoring