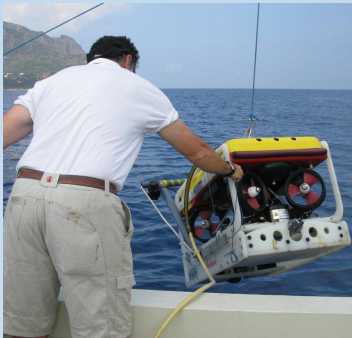


ROV Operations



ABT Marine is a part of the **AquaBioTech Group**, and as an independent marine hydrographic survey firm, we offer a broad range of capabilities in survey, construction support, precise positioning and project management within the marine industry.



ABT Marine has the capacity to perform marine investigation with the use of Remotely Operated under water Vehicles (ROVs). ROVs are tethered, highly maneuverable, unoccupied vehicles suited for underwater works that include surveying, recognition, construction, recovery and underwater repairs. These are operated from a vessel by licensed and experienced personnel.

ROVs are primarily fitted with real-time video and lighting systems for navigation and video recognition. In addition and depending on the nature of the project, the ROVs' capabilities can be expanded to incorporate remote sensors (sonars, magnetometers), water samplers, environmental sensors, manipulator arms or extra cameras.

SAAB SEA EYE FALCON

The SAAB SeaEye Falcon is an Observation Class, highly portable and cost-effective ROVs for ease of deployment and use in vessels of opportunity for underwater surveys seabed investigations. The Falcon is the system of choice for most of the work performed by **ABT Marine**. The unit is equipped with four (4) vectored horizontal thrusters and one (1) vertical thruster for optimum maneuverability, two (2) LED flood lights and a high resolution colour camera with options for more video channels.

In addition the Falcon can be fitted with a Tritech Side Scan Sonar 675KHz and vehicle tracking systems, which further extend the capabilities of the system to undertake a broader range of underwater works.

Seaeye Falcon Specifications

- 300 metre depth rating, 14 kilo payload
- Max 450 metre umbilical (1100 metres with F2 Fibre Optic Pack)
- 4 Vectored and 1 vertical thruster
- Imaginex Mechanical Scanning Sonar
- 50 kgf thrust with 1:1 power to weight ratio
- Distributed intelligence control system
- Integral system diagnostics
- Seaeye/Bosch Colour Camera & Tritech Typhoon Colour Camera with HD recording
- Variable intensity, 6400 Lumens of LED lighting
- Auto heading, depth, compass and rate gyro
- Portable surface control system with video overlay and daylight readable display
- Low drag umbilical
- Single phase A/C power input - auto selecting universal 100-270 VAC at 2.8 kW

