GIRONA 500
AUV

Features
The Girona 500 is a compact and lightweight autonomous underwater vehicle with hovering capabilities, which can fulfill the particular needs of any application by means of mission-specific payloads and a reconfigurable propulsion system.

Vehicle specifications
- Height: 1 m
- Width: 1 m
- Length: 1.50 m
- Hull diameter: 0.3 m
- Weight in air: from 140 kg
- Maximum depth: 500 m
- Energy: 2.2 kWh Li-Ion battery cluster
- Endurance: > 8hrs (Dependent on speed, payload and propulsion system configuration)

Propulsion system configurations: from 3 thruster (3DoF) to 8 thruster (fully actuated).

Tracking: emergency transponder.

Standard Sensors
- Doppler velocity log
- Attitude and heading reference system
- Fiber optic gyro (heading)
- GPS
- Ultra short base-line
- Dual frequency profiling sonar
- Sound velocity sensor
- Pressure gauge
- Sidescan sonar
- Video Camera system + LED lighting

Payload
- 35 liters volume available for mission specific equipment.
- Ethernet and RS - 232 interfaces with the vehicle
- Regulated 24V@10W

Communications
- WiFi
- Acoustic modem
- Tether (optional ROV mode)

Navigation
- GPS position on surface
- Inertial (DVL / FOG-AHRS)
- Absolute positioning (USBL / GPS / AHRS)