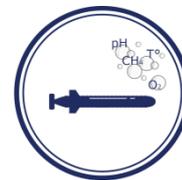




UXO detection



*Seabed mapping by
Acoustic Imagery*



*Water Quality
Monitoring*

Description

COMET 300 is a cost-effective operational AUV with real-time positioning and acoustic communication system, designed to meet the current needs of marine research and industry.

COMET 300 can operate alone or in a network with surface buoys or vessel. It is also the first AUV able to operate in homogeneous swarm.

COMET 300AUV can work down to 300 m depth, regardless of currents, thanks to high-speed (>10 knots) capability.

COMET 300 is the ideal solution for extensive area surveys as marine energy fields or protected areas monitoring, offshore resources detection or anti-mine warfare.

Advantages

- Operate in turbulent waters
- Track and survey wide zones
- Programmable mission on laptop
- One-man portable: easy to launch and recover from a small boat
- Re-deployment turnaround time of 1 hour

Payload & Options

- COMET LBL
- Side scan sonar
- Side scan sonar for bathymetry
- Sub-bottom profiler
- Magnetometer
- CTD

Supplied Hardware

- Fully rugged laptop
- Geosys remote control for recovery
- Launching ramp and pike poles



GEOsys UHF Modem for recovery



- **Portable & easy to deploy**

COMET AUV has been designed to be deployed from a small boat. Its weight and size make it easy to deploy and recover by one person.

- **Extended autonomy**

COMET can operate a full working day and up to 20 hours depending on sensors and speed.

- **High speed**

With high speed capacity, COMET can reach work area or be recovered quickly, e.g. in case of deteriorating weather conditions or emergencies. COMET can also handle strong currents.

- **Swarm mode**

Up to 10 COMET AUV can operate together in swarm mode. Able to communicate together when spaced by 1,5 km from each other, they can cover a wide underwater seabed area, thus generating extensive productivity gains.

- **Accurate navigation & communication**

COMET AUV comes with native RTK GPS, INS, plus DVL, PT and modem. Surface repositioning can be carried when needed.

Optional COMET LBL protocol provides very accurate relative position when used in network thanks to data redundancy and recalibration.

- **Embed a full array of sonar, magnetometer, navigation, camera, water parameters sensors**

Integrated sensors depending on applications range from SSS to magnetometer.

Pinger and strobe light for emergency recovery.

Navigation capacities

- Immersion: < 300 m
- Speed > 10 knots
- Autonomy: Up to 20 hours (12 hours at 4knots)
- Positioning: COMET LBL + GPS + INS + DVL
- Operating T°: 0 °C / +50 °C

Dimensions

- Length: from 1.77 to 2.50 m
- Diameter: 150 mm
- Height: 332 mm
- Weight: from 27 to 40 kg

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