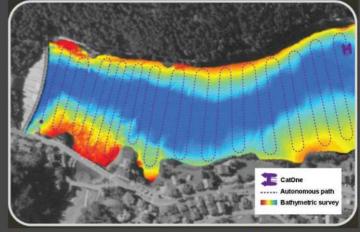
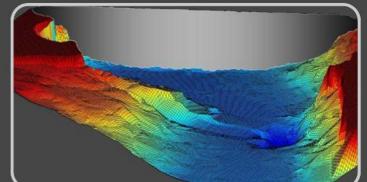


Innovation leveraged to hydro geologic and environmental surveys

- A family of **robotic vessels** for data acquisition, monitoring, patrol and Search & Rescue support
- Adjustable **autonomy levels**, from remote guidance to full automation
- Automation increases the productivity and quality of the survey
- The safe, efficient and economically convenient alternative to traditional survey methods based on manned vessels
- Particularly suited for repetitive, long endurance tasks, in remote or dangerous areas or in critical environments (i.e. dam basins, lakes exposed to landslides risks or contaminated areas)
- Suited also for operation during night, when survey conditions are optimal
- Compatible with environmentally protected areas, such as parks and natural reserves
- · Easily customized to customer requirements



Technology on the field





Dam basins, lakes



Quarry Water reservoirs lakes

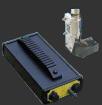


Rivers, canals



Fishfarms Harbours, Lagoons

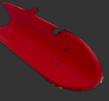
Typical payloads



Single beam echosounders Water depth



Multibeam echosounders Water depth Very Hi Resolution



Sidescan Sonars Underwater Imaging

1.95 m

1.34 m



probes Water temperature, salinity, turbidity, pH, Clorophylla, etc

Multiparametric



Electrical Tomography Seepage detection in canals



Customer equipment Call us for new applications!

Technical characteristics

Length Width

Draft

(suitable very shallow water with algal growth) **Empty weight** 30 kg Payload up to 50 kg

Propulsion Full electric, air propellers Operating speed 3 kn (6 km/h)

CO₂ emissions none

Operations

Day and Night Navigation modes

Fully Autonomous ↔ Manual Remotely controlled up to 8 h, can be extended with optional battery packs Endurance

Operators one operator can control up to 3 vessels

deployable in 10 minutes Logistics

(transported over the roof of a car or inside a Station Wagon)

Few centimeters, no submerged propellers or rudders



- · Water sampling
- · Environmental data collection
- · Research and experimental activities

· Images and videos collection in water environment