The profiler has been developed with our partner laboratory GEOAZUR and supported by a prestigious Advanced Grant from the European Research Council.

APPLICATIONS
- Oceanographic Research
- Environmental Seismic Surveillance
- Underwater acoustics

FEATURES
- Autonomy up to 5 years
- Submersible to 3000m
- Up to 7kg of sensors payload
- CTD & Multi Sensors
- Bi-directional Communication Iridium
- GPS localization
- Rugged Lightweight Housing
TECHNICAL SPECIFICATIONS

Dimension (LxD): 850mm x 630mm
Weight in Air: 50kg
Weight in Water (sea water): Adjustable
Maximum Operating depth: 3000m
Available Power: 18MJ (320Ah)
Profiles capacity: Up to 300 cycles
Sensors Payload: 7kg

SENSORS
PRESSURE: 0 – 3000m
Accuracy: 0.2%FS
CONDUCTIVITY: On request; 0 – 75mS/cm
Accuracy: ±0,0018mS/cm
Resolution: 0,002mS/cm
TEMPERATURE: -2°C – +35°C
Accuracy: ±0,01°C
Resolution: 0,001°C

ACoustics
Hydrophone: 1 standard and up to 4 on request
Bandwidth: 0,1Hz to 50kHz
Programmable Gain control: 0 to +70dB
Analog to Digital converter: 1 or 4 synchronous
Full scale sound pressure level: 180dB ref 1μPa
Resolution: 24bits
Sample rate: 128ksp; up to 625ksp*
*on request for bandwidth up to 260 kHz.

OTHERS SENSORS:
SUNA, Oxygen Optode, Ocean colour radiometer...

Data logger: SDHC card on option
Communication: Iridium
Localization: GPS WAAS/EGNOS compatible
Autonomy: Up to 5 years