UNEXUP

Supported by eit RawMaterials Connecting matters

Funded by the European Union

Robot-based technology that provides spatial and geoscientific insights of flooded environments that cannot be obtained without high costs or human risks

UNEXMIN

2016-2019

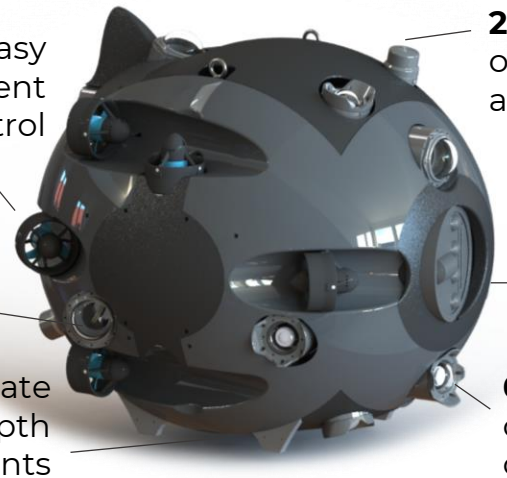
Development and testing of a multi-robotic platform for spatial and geoscientific survey of underwater environments

UNEXUP

2020-2022

Commercialization of the robotic technology, while further improving its software, hardware and capabilities

UX-1Neo



8 thrusters: easy and efficient motion control

6 SLSs: detailed mapping of the environment

DVL: accurate position and depth measurements

2 scanning sonars: obstacles detection and avoidance

Multibeam sonar: mapping of large mine cavities

6 Cameras: complete perception of the environment

- ✓ **Modular design**
- ✓ **Less than 90 Kg**
- ✓ **Swappable batteries**
- ✓ **Over 500m depth**
- ✓ **2600 Wh**
- ✓ **>8h operation estimated**

- ✓ **Hyperspectral unit**
- ✓ **Water sampler unit,**
- ✓ **Water chemistry unit**
- ✓ **Sub-bottom profiler**
- ✓ **Fluxgate magnetometer**

UNEXMIN GEOROBOTICS

COMMERCIALIZATION & FIELD MISSIONS: TIME TO GET INVOLVED!

Looking to uncover the mysteries and potential of your flooded mine or underwater structure?

Contact UNEXMIN GeoRobotics:
info@unexmin-georobotics.com

NEW ROBOT: UX-2 (2021)

- Increased modularity
- Increased TRL
- Higher operational depth
- Rock sampling unit

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