

SER EXPLORER

MULTI-MISSION UNDERWATER
GLIDER AND IN-SITU SERVICES



VUU3eaExplorerUUV

SEH EXPLORER

GLIDER'S PRINCIPLES

The SEAEXPLORER is an autonomous underwater platform that collects data from depths of up to 1,000 meters, operating for weeks to months on a single battery charge without needing a support vessel.

It glides silently, gathering various data types as directed by the pilot. With a user-friendly software suite for real-time monitoring, it periodically surfaces to transmit its GPS position and receive new mission instructions, offering a cost-effective solution for underwater data collection.

A WIDE RANGE OF PAYLOADS

PHYSICS Zooplankton Conductivity **DISSOLVED GAS**

Temperature 02 CO2 Currents CH4 Turbidity

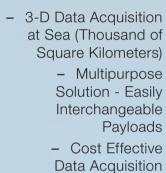
ACOUSTICS OTHERS Recording Metals

Nitrates On-board processing BIOLOGICAL Light penetration Phytoplankton Oil-in-water



NAVIGATION PRINCIPLES

- Mission analysis to meet scientific objectives
- Equipment preparation
- Dispatch to mission area
- Mission execution with real-time analysis
- Quality control measurements
- Restitution (scientific representations & reports)



Device - Up to 2

Months Autonomy

KEY BENEFITS

Without Need of Supporting Boat

- Flexible Trajectory -Piloting from Onshore
- Lower HSE risk than alternative Solution
- Carbon-free and Silent Vehicle – No Propeller
 - Easily Deployable worldwide

MULTIPLE MISSIONS

- Natural seep hunting survey



USE CASES EXAMPLES

ENVIRONMENTAL & MARINE ASSESSMENTS

Physical Oceanography and metocean monitoring CO2 cycle monitoring

INDUSTRIAL

Wind farm structural monitoring Ocean currents assessments

GOVERNMENTAL STUDIES

Natural disaster early warning system for Volcanic gas Assessment for Oil & Gas potential deposits

OFFSHORE O&G PROJECTS

Acoustic Surveillance De-risking seismic exploration