

USV ENVIRONMENTAL SURVEY

Autonomous Services for Lakes & Seas



Unmanned Surface Vehicle Services

ALSEAMAR company offers turn key services from data collection to data report delivery using its powerful autonomous surface platforms. ALSEAMAR multi-sensors vehicles are dedicated to a variety of missions including:

- **ENVIRONMENT & SCIENCE** : baseline, pollution detection, bathymetry.
- **DEFENSE & SECURITY** : Mine detection, Surveillance, Submarine warfare.
- **OIL & GAS** : operations support , Security, Metocean, oil spill.

ALSEAMAR surface vehicles offers a lightweight and low logistic solution for the collection of high resolution data in both lakes and coastal/offshore areas.

Autonomous surveys dramatically reduce costs and risks for marine data collection by decreasing substantially the reliance on traditional vessels and manned survey.

innovation & services at sea

Features

Speed : 1,2 m/s

Endurance : 10 h

Communication : Wi-fi > 2 km

Collected data

Salinity, Temperature, Pressure

Dissolved oxygen

Chlorophyll, Turbidity, CDOM

pH

Hydrocarbons

Methane

Echo-Sounder

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ALSEAMAR Services

Mobilization of USVs

Mission planning

USVs preparation & testing

USVs deployment

USVs survey

Piloting during the mission

Demobilization of USVs

USVs recovery

Processing Analysis & Reporting

Quality control

Post mission Processing

Data analysis

Delivery of data, and final report

