



REMOTE AND AUTONOMOUS SERVICES



MARINE SERVICES PROVIDER
SINCE 2011.

REMOTE AND AUTONOMOUS

ROV AND UNMANNED SYSTEMS OPERATIONS

Aalea provides a wide range of ROV services to the offshore oil-and-gas, renewable energy, and telecommunications industries: subsea assets inspection, repair, and maintenance, pipeline and cable surveys, geophysical and environmental surveys and other general offshore subsea services.

In recent years, there has been a growing general demand for ROV services and particularly in the renewable energy industry, for the offshore wind farms development. Aalea operates a fleet of both observation-class and work-class ROVs that can be used for a wide range of tasks in this industry, including cable laying and installation, turbine maintenance, and subsea inspection. Aalea's focus on customized solutions and tools represents a significant plus compared to other service providers, Aalea work closely with their clients to develop and design bespoke solutions to meet their specific needs and requirements. This may involve designing custom ROV tooling or developing new subsea intervention techniques to address a particular challenge.

Autonomous Surface Vehicles (ASVs) are unmanned vehicles that are capable of operating autonomously or being remotely controlled by a human operator.

They are commonly used in environmental and geophysical surveys as they can operate in harsh environments where it may be difficult or dangerous for humans to work. ASVs can be equipped with a wide range of sensors and instrumentation to collect data on water temperature, salinity, turbidity, water currents, bathymetry, and other parameters that are important for understanding the marine environment. They can also be equipped with cameras and acoustic sensors to collect data on marine life, such as fish and marine mammals. ASVs are particularly suited for conducting environmental and geophysical surveys in areas that are difficult to access, such as shallow water areas or areas with complex bathymetry. They can also be used to collect data over long distances or for extended periods of time, which can be difficult or costly to do with manned vessels. Aalea can provide ASV system services to customers with a wide range of solutions tailored to their specific needs.

The growing offshore renewable energy market requires a reliable support for the installation and the operations of a large number of wind turbines beyond the 12-mile coastal limit, the large surfaces of the fields, ranging from 500km² to 1000km², requires solutions that can be operational in any condition and with cost effectiveness, for both rapid response and planned activities.

The ASV system can be remotely controlled by teams of specialists operating from onshore locations and connected to the ASV system using state-of-the-art high-speed communication systems.

SOLUTIONS

UXO Survey

Geophysical Survey

Habitat Mapping and Environmental Survey

IMR

Metrology

Drilling Support

Site Survey

HD & 4K video inspection

Construction support

Decommissioning support

Subsea cable installation

ROV and Unmanned Systems

Saab Seaeye Falcon – 300m rated

Saab Seaeye Falcon DR – 1.000m rated

Sub Atlantic Tomahawk – 2.000 and 3.000m rated

WROV

ASV

