

FEINDEF 2025

Marine Instruments and Arkeocean announce strategic partnership to strengthen subsea surveillance and protection

The alliance between the two technology companies was formalized at FEINDEF 2025, with the goal of combining Swarms of Autonomous Underwater Vehicles (AUVs) and satellite technologies to deliver a continuous and integrated underwater defense capability.

Madrid (Spain), May 13, 2025. [Marine Instruments](#) and [Arkeocean](#) have signed a collaboration agreement to jointly develop innovative solutions aimed at enhancing the security and monitoring of critical subsea assets with swarms of AUVs using acoustic technologies. The agreement, signed at Marine Instruments' booth (8B04a) during the International **Defense and Security Exhibition (FEINDEF)**, marks the beginning of a strategic alliance between two leading companies in the field of unmanned marine systems.

Memorandum of Understanding as a collaboration framework

The partnership is structured around a **Memorandum of Understanding (MoU)** that defines key areas of cooperation, including **critical subsea asset protection, threat management**, and the deployment of **autonomous maritime systems**, with a strong focus on **dual-use applications** (civil and defense) and shared values of **technological sovereignty and confidentiality**.

Technological integration on the seafloor

At the core of this alliance lies the integration of Arkeocean's passive AUV swarm system, with **Marine Instruments' intelligent acoustic sensors and real-time satellite communication capabilities**.

Arkeocean's ocean-bottom swarm systems secure key subsea assets. The systems harness the power of a sophisticated swarm of heavy AUVs that form a secure network on the seafloor. Deployed at fixed positions, these robust units remain submerged for extended periods, providing continuous threat management.

Marine Instruments brings over 20 years of experience in the design and deployment of **satellite-linked acoustic buoy networks**, widely used in the sustainable fishing sector. Its technology has been tested in some of the world's harshest oceanic environments, where high reliability, endurance and autonomy are essential. Each year, **thousands of Marine Instruments buoys are deployed by fleets across the globe**, demonstrating the maturity and operational robustness of its real-time monitoring systems.

This synergy between a passive swarm-system and an active real-time sensing layer enables the combination of covert surveillance with responsive capability, delivering **persistent and multidomain underwater situational awareness**.

Applications in defense

The collaboration spans multiple strategic sectors, including:

- **Defense and anti-submarine warfare (ASW):** Integration into national and European programs for underwater domain awareness.
- **Protection of critical subsea assets:** Autonomous monitoring of offshore platforms, ports, and subsea cables.
- **Aquaculture control:** Use of autonomous vehicles and sensors for inspections in aquaculture farms, offshore wind farms, and other civil applications.

Both companies also **envision collaborating on joint projects and validating their solutions in real-world environments**.

"The complementarity between Arkeocean's passive swarm system and our satellite-linked acoustic buoys opens a clear and tangible path toward effective, autonomous, and sustainable underwater surveillance solutions," said **Gabriel Gómez Celaya**, CEO of Marine Instruments.

"We are also contributing our **full industrial capacity and quality systems**, which allow us to produce **thousands of units each year with consistent performance and reliability**, even in the most demanding ocean conditions."

Thierry Brizard, Co-Founder and President of Arkeocean, added: "We are proud to formalize our collaboration with Marine Instruments, a recognized leader in advanced marine technologies. This MOU represents a shared commitment to strengthening underwater defense capabilities through innovative solutions that enhance maritime situational awareness and operational readiness in challenging environments."

The agreement was officially announced during **FEINDEF 2025**, where both companies showcased their technologies from the Marine Instruments booth, attracting strong interest from international delegations, the Spanish Navy, and key stakeholders in the maritime defense sector.

ABOUT ARKEOCEAN

Arkeocean is leading the future of underwater exploration and security through swarms of Autonomous Underwater Vehicles (AUVs). It provides critical systems for the defense, energy, and environmental monitoring sectors. Its cutting-edge technology secures strategic areas, carries out advanced surveillance missions, and protects marine ecosystems. As a pioneer in large-scale swarm systems capable of massive 3D data acquisition, Arkeocean leverages its technology to address the most significant underwater challenges. From safeguarding submarine cable systems to creating underwater networks by interconnecting any object within a swarm, Arkeocean is making ocean exploration accessible through scalability and innovation.

For more information, visit: www.arkeocean.com



ABOUT MARINE INSTRUMENTS

Marine Instruments is a technology company dedicated to the development and manufacturing of marine-adapted systems focused on promoting intelligent oceans and sustainable fishing. Since its founding in 2003, the company has experienced steady growth, becoming in less than a decade the world's leading manufacturer of tuna satellite buoys, with a presence in over 30 countries.

In recent years, Marine Instruments has embarked on a strong diversification strategy, designing innovative products for other vertical markets such as aquaculture and Security & Defense. The company was awarded the **Spanish National Innovation Award in 2022**.

For more information, visit: www.marineinstruments.es

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