

Smart Maritime Asset Tracking

Sector: Other - Embedded and sensing technologies developed for industrial and IIoT applications, with potential use in maritime and marine environments

Short description of the needs:

The project addresses the growing need for innovative offshore and maritime asset tracking and monitoring solutions that combine on-device measurement, data collection, and predictive maintenance. The challenge lies in developing reliable underwater tracking and communication systems (hardware and software) capable of operating in demanding marine environments. Current market solutions are limited, particularly in underwater data transmission and real-time monitoring of maritime assets.

The main objectives are to design and test smart tracking devices based on ultrasonic communication and to explore their integration with predictive maintenance systems that anticipate equipment failures and optimize operations. The project is currently in the research phase, focusing on evaluating potential solutions and exploring existing technological limitations.

The company seeks collaboration with research institutions and technology partners specialized in underwater communication, marine electronics, and digital monitoring, as well as access to training, technical expertise, and funding to advance the concept toward practical application and commercialization.

More info: For more information apply to PP2 Maritime Innovation Cluster MARINN via e-mail nikolina.radic@gitone.hr, dora.vujnovic@gitone.hr.

Point of contact for the brief/challenge: Maritime Innovation Cluster MARINN

Company position in the value chain: Tier 1