

## Digital Monitoring and Predictive Maintenance Solutions for Aquaculture and Maritime Equipment

**Sector:** Other - Mariculture

### Short description of the needs:

The company aims to address the growing need for efficiency and sustainability in the maritime and aquaculture sectors by introducing smart monitoring and predictive maintenance systems similar to those applied in railway operations. The main challenge lies in adapting such technologies to harsh marine environments and integrating them with existing mechanical systems. The objectives are to enable real-time tracking of equipment condition, extend asset lifespan, and reduce environmental impact through data-driven maintenance and the use of eco-friendly materials. To achieve this, the company seeks cooperation with IT partners experienced in sensor technologies and system integration, as well as research institutions supporting sustainable engineering innovation.

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

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

**Company position in the value chain:** Tier 1