

GenAI-enabled automated data intelligence for underwater monitoring networks

Sector: Marine monitoring & surveillance

Short description of the needs:

WSense develops underwater wireless networks based on acoustic and optical nodes (WNode, WGateway) for the continuous monitoring of critical infrastructure, marine protected areas and offshore installations. WNodes support the connection of off-the-shelf sensors for monitoring geochemical and physical parameters relating to the underwater environment and their visualisation via the WCloud service.

The large amount of environmental, acoustic and visual data collected requires advanced automatic processing capabilities. The company intends to invest in the development of AI solutions, in particular GenAI, capable of transforming complex data into insights that can be understood and used even by users who are not experts in the technical domain, with the aim of enabling automatic analysis, event classification, intelligent report generation and real-time decision support.

More info: For more information apply to eccentric@imast.it

Company: WSense S.r.l.

Point of contact for the brief/challenge: IMAST - Distretto Tecnologico per l'Ingegneria dei Materiali Polimerici e Compositi e Strutture

Company position in the value chain: OEM