

ARGUS AnchorTag – Digital solution for safe and environmentally responsible anchoring

Sector: Marine monitoring & surveillance

Short description of the needs:

Uncontrolled anchoring and anchor dragging represent a significant safety risk for vessels and coastal infrastructure, while simultaneously causing severe environmental damage to sensitive marine ecosystems such as seagrass meadows (e.g. Posidonia). Despite the scale of the problem, anchoring is still largely unmanaged and insufficiently monitored in real time. Anchor Tag Dubrovnik j.d.o.o. addresses this challenge through the development of ARGUS AnchorTag, a patented IoT-based system that enables real-time monitoring of anchor position and stability. The solution increases maritime safety by providing instant alerts and positioning data, while also supporting environmental protection by reducing uncontrolled anchor movement in sensitive areas. The main objectives are to validate the system in real operational conditions, integrate it with marina and charter operations, and explore data-driven approaches for anchoring management and environmental monitoring. Cooperation opportunities include pilot testing with marinas and charter companies, collaboration with research institutions on environmental impact assessment, and integration with public authorities and coastal management bodies within EU-funded pilot and innovation actions.

More info: For more information apply to antun.nadramija@hamagicro.hr

Company: Anchor Tag Dubrovnik j.d.o.o.

Point of contact for the brief/challenge: HAMAG-BICRO

Company position in the value chain: OEM (hardware + software solution provider)