

Solar-Powered Autonomous Marine Monitoring Vessel (ASV) – Zero-Emission Environmental Intelligence Platform

Sector: Marine monitoring & surveillance

Short description of the needs:

AEDA d.o.o. is developing a solar-powered autonomous surface vessel (ASV) designed for continuous marine monitoring and environmental data collection. Current monitoring methods are costly, limited in frequency, and dependent on manual operations, creating gaps in data availability for coastal management, environmental protection, and maritime operations.

The company seeks collaboration with engineering firms, research institutions, and technology providers to co-develop a fully functional prototype. Key needs include integration of autonomous navigation systems, renewable energy optimisation, environmental sensor systems, and IoT communication platforms. The project will enable real-time, high-frequency monitoring while reducing operational costs and environmental impact, supporting sustainable development in the blue economy.

More info: For more information apply to iskaric@hgk.hr

Company: AEDA d.o.o., Croatia

Point of contact for the brief/challenge: HGK - Croatian Chamber of Economy

Company position in the value chain: OEM / Technology developer (marine autonomous systems)