

## AI-based marine pollution monitoring and early warning system

**Sector:** Marine monitoring & surveillance

### Short description of the needs:

Ports, marinas and coastal areas face increasing risks of pollution, while regulatory requirements for continuous environmental monitoring are becoming stricter. Many locations still rely on periodic sampling, which cannot provide real-time information on contamination. The objective is to develop an AI-supported 24/7 marine monitoring and early warning system combining digital sensors, automated data analysis and biological indicators. The solution would enable continuous assessment of water and sediment quality, particularly in ports and coastal infrastructure. Cooperation opportunities include pilot projects with research institutes, port authorities, environmental agencies and technology partners, as well as development of scalable digital monitoring platforms.

**More info:** For more information apply to [antun.nadramija@hamagicro.hr](mailto:antun.nadramija@hamagicro.hr)

**Company:** PELIKAN CONSULT d.o.o.

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

**Company position in the value chain:** Tier 2 (environmental monitoring solution developer and consulting partner)