

Blue Digital Twin Integration Platform

Sector: Marine infrastructures

Short description of the needs:

The project aims to evolve an existing digital twin platform into an integrated system for the monitoring and management of complex marine environments.

The platform, based on the BIM methodology, is already capable of creating dynamic digital twins, managing real-time data, and ensuring a unified data structure (single source of truth). The main objective of the project is to expand its integration capabilities, transforming it into a hub able to connect heterogeneous blue economy technologies such as environmental sensors, smart buoys, and underwater robotic systems.

The idea is to build an interoperable ecosystem that overcomes the current fragmentation of marine data. The solution will consist of the platform, integrated devices, and data-driven services, and will be targeted at port authorities, public bodies, and industry operators.

To complete the project, the development of technological partnerships and the implementation of real-world pilot cases are required. A key element will also be the transformation of data into operational tools for decision support. The expected outcome is an integrated and scalable solution capable of making marine monitoring more effective, interoperable, and data-driven.

More info: For more information apply to eccentric@t2i.it

Company: Live Information System S.r.l.

Point of contact for the brief/challenge: t2i – Trasferimento tecnologico e innovazione