



Automated Inspection Robots for
Surface, Aerial and Underwater
Substructures

BUILDING THE FUTURE OF OFFSHORE WIND MAINTENANCE

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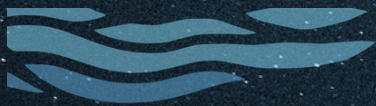
Funded by
the European Union

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One fleet. One intelligent system. Fully unmanned offshore inspection.

A European project transforming offshore wind farm maintenance through robotics, artificial intelligence, and autonomous systems.



CORE VALIDATED TECHNOLOGIES



AI-POWERED DEFECT DETECTION

High-resolution inspection data is processed by scalable AI models to detect and classify defects across aerial, surface and underwater operations.



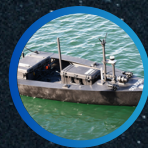
AUTONOMOUS LANDING AT SEA

Aerial robots autonomously locate, track and land on moving surface platforms, supporting inspection missions without an onboard crew.



AGENTIC MISSION PLANNING

A hierarchical mission planner converts plain-language instructions into complete inspection plans, tasks, vehicle skills and executable actions.



ROBUST AUTONOMOUS NAVIGATION

Learned navigation, station-keeping and collision-avoidance skills enable uncrewed surface vehicles to operate under demanding maritime conditions.



DIGITAL TWIN SUPERVISION

A real-time virtual replica connects the inspection site, the robotic fleet and shore-based operators.



UNDERWATER INSPECTION AND INTERVENTION

Underwater robots inspect hard-to-reach offshore assets and perform controlled contact tasks, including non-destructive cathodic protection testing.

TOGETHER, BUILDING THE FUTURE OF OFFSHORE WIND MAINTENANCE.