

Ports & airports

Digital Twins, Al and predictive technologies

Developed by :

duisport 🕌



Project by :



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Operational fields



Solutions

PREDICTIVE MAINTENANCE OF PORT HANDLING EQUIPMENT

Ports & airports

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Solution description

A cloud-based system is being developed to enable predictive maintenance for inland port/ terminal equipment.

Data from cranes and reach stackers is collected processed remotely, allowing real-time and monitoring without heavy on-site IT infrastructure.

The solution includes sensor-based condition monitoring, automated crane operations adapted to wind conditions to reduce energy use, and optimised control of crane electrical drives.



Better visibility on equipment assets by anticipating maintenance

- Improved uptime •
- **Reduced repair costs**

Main beneficiary

TERMINAL & CRANE OPERATOR



Technology readiness level : 🔒 Implementation stage : Pilot

Operational fields

Technologies

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Would you like to know more? Take contact :



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Technologies

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Solutions



Operational fields