Towards a green and sustainable ecosystem for the EU Port of the Future

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PortForward: The Port of the future

Making the port of the future smarter, greener and more interconnected.

Investment: €4,994,311
Funding: H2020
Main Objectives

Interconnected Port Solutions

Smart Port Solutions

Green Port Solutions
Combining different modes of transport

Integrating different technologies

to better monitor and control freight flows

Interconnected Port Solutions
Employing ICT solutions to improve information flows between ports and port communities
Adopting green technologies to reduce the environmental impacts of port operations and save resources.
5 validating ports

1 replicating port
The Value Proposition

AN INNOVATIVE SERVICE PLATFORM TO CREATE AND CO-CREATE VALUE FOR PORT STAKEHOLDERS
The Value Proposition

A cloud-based platform
The Value Proposition

A cloud-based platform
IoT framework to ensure interoperability
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Innovative services customised for each port
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A cloud-based platform
IoT framework to ensure interoperability
Innovative services customised for each port
User-oriented dashboard and decision support
The PortForward architecture
The PortForward services
RoRo Stowage Optimization

MAFIs Working Hour Optimization

Outdoor asset tracking
AR remote assistance

Assistance to goods control and inspection within port boundaries

Pilot Assistance to ship manoeuvring in port waters
Dynamic Storage Space Monitoring

Asset Tracking

Predictive maintenance of Sheet Pile Walls (SPW)
Green Yard Scheduler

Port Authority Dashboard
Partners
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