

IT Platforms for planning multimodal transport



Port of
Antwerp
Bruges

Multimodality

Collaborative
processes,
connectivity and data

IT Platform for multimodal planning

Developed by :



Project by :



RESULTS & IMPACTS

The aim of the IT-platform is to facilitate the modal shift by supporting the operational excellence.

The rail platform has a supporting IT role in following up and managing rail transport in and around the Port of Antwerp-Bruges. This requires an integrated and end-to-end approach in sharing data between all actors involved in the rail transportation. Hence the implementation of the rail platform.



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European Union

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Operational fields

Technologies

Solutions



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PIONEERS
Portable Innovation Open Network for
Efficiency and Emissions Reduction Solutions



Solution description

The IT platform provides a **centralized digital environment** enabling comprehensive data sharing and communication between all entities involved in multimodal freight operations at the Port of Antwerp-Bruges. It replaces existing manual logistics processes with digital workflows, allowing stakeholders real-time access to accurate supply chain data.

By integrating operational data across rail transport activities, the platform enhances coordination, optimizes rail infrastructure utilization, and facilitates transparent end-to-end logistics management.

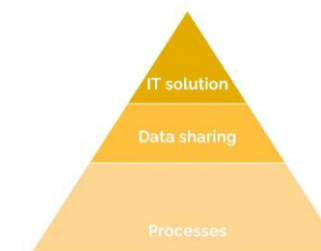


Benefits

- Increased transparency and traceability of logistics processes
- Improved coordination among different transport operators
- Efficient utilization of available rail infrastructure
- Reduction of manual workload through process digitization
- Support of sustainability goals by promoting modal shift to rail

Main beneficiaries:

- Freight transport and Logistics operators
- Rail infrastructure management entities



OBJECTIVES

- Digitalization of existing manual processes
- Creation of transparency in the E2E supply chain through data collection and information exchange
- Effective coordination of the logistic processes of the various actors in the transport chain
- More efficient use of available rail infrastructure

Technology readiness level : **5**
Implementation stage : **Pilot**

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Would you like to know more?
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