

PORT SOLUTIONS FOR EFFICIENT, EFFECTIVE AND SUSTAINABLE MULTIMODALITY



MultiRELOAD

MultiRELOAD

Horizon Europe project

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Danube Ports Days 2024, Budapest

www.multireload.eu



PORT SOLUTIONS FOR SUSTAINABLE MOBILITY

MultiRELOAD: Port solutions for efficient, effective and sustainable multimodality

Innovation Action CL5-2021-D6-01-07

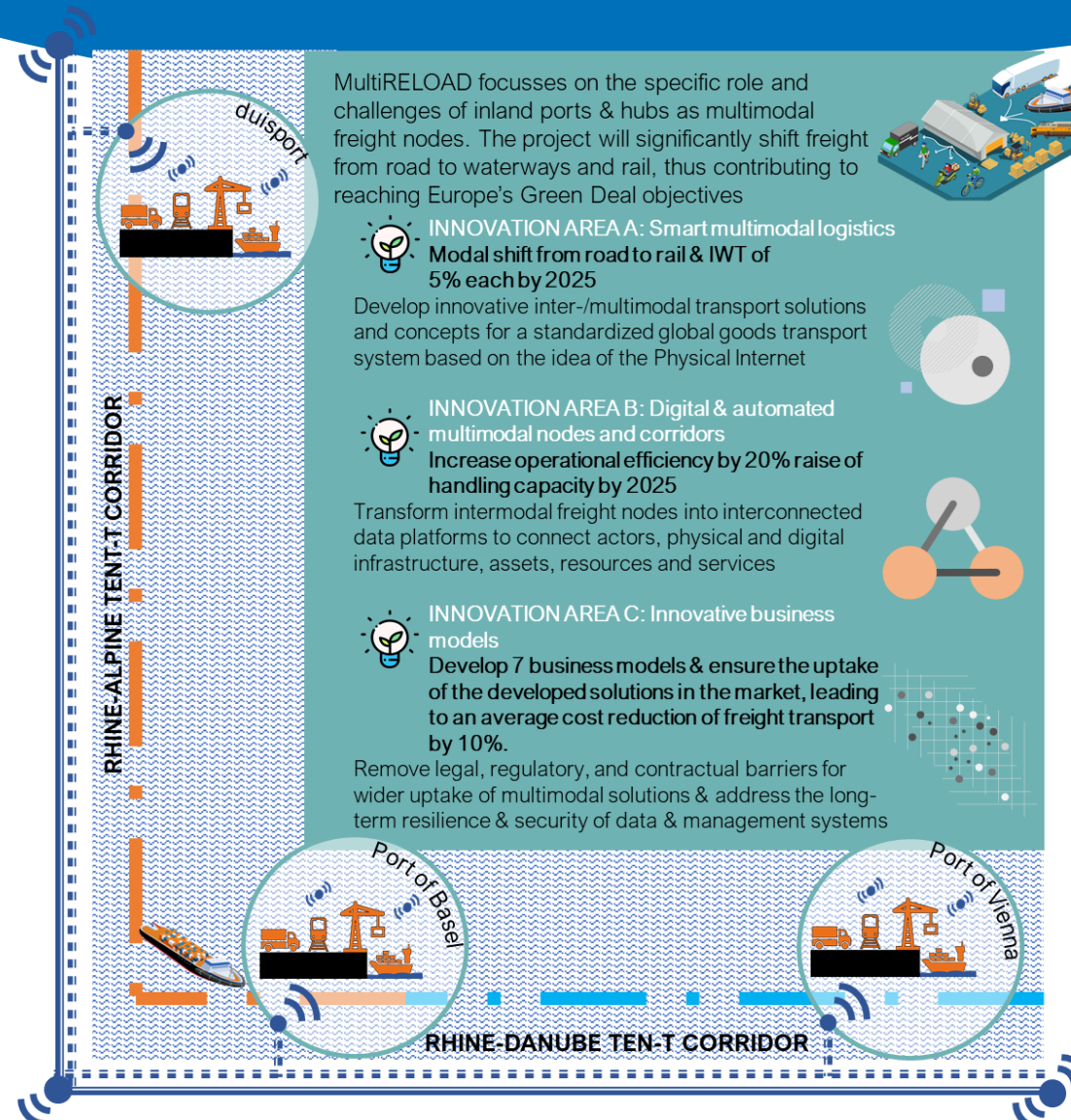
More efficient and effective multimodal freight transport nodes to increase flexibility, service visibility and reduce the average cost of freight transport

Sept. 2022 – Aug. 2025

Consortium



Approach



PORT SOLUTIONS FOR SUSTAINABLE MOBILITY

MultiRELOAD will work towards realising the Physical Internet along two major European TEN-T corridors Rhine-Alpine/ Rhine-Danube by demonstrating innovative multimodal freight solutions & services on three levels:



1) Terminal



2) Node



3) Corridor

Demonstrators

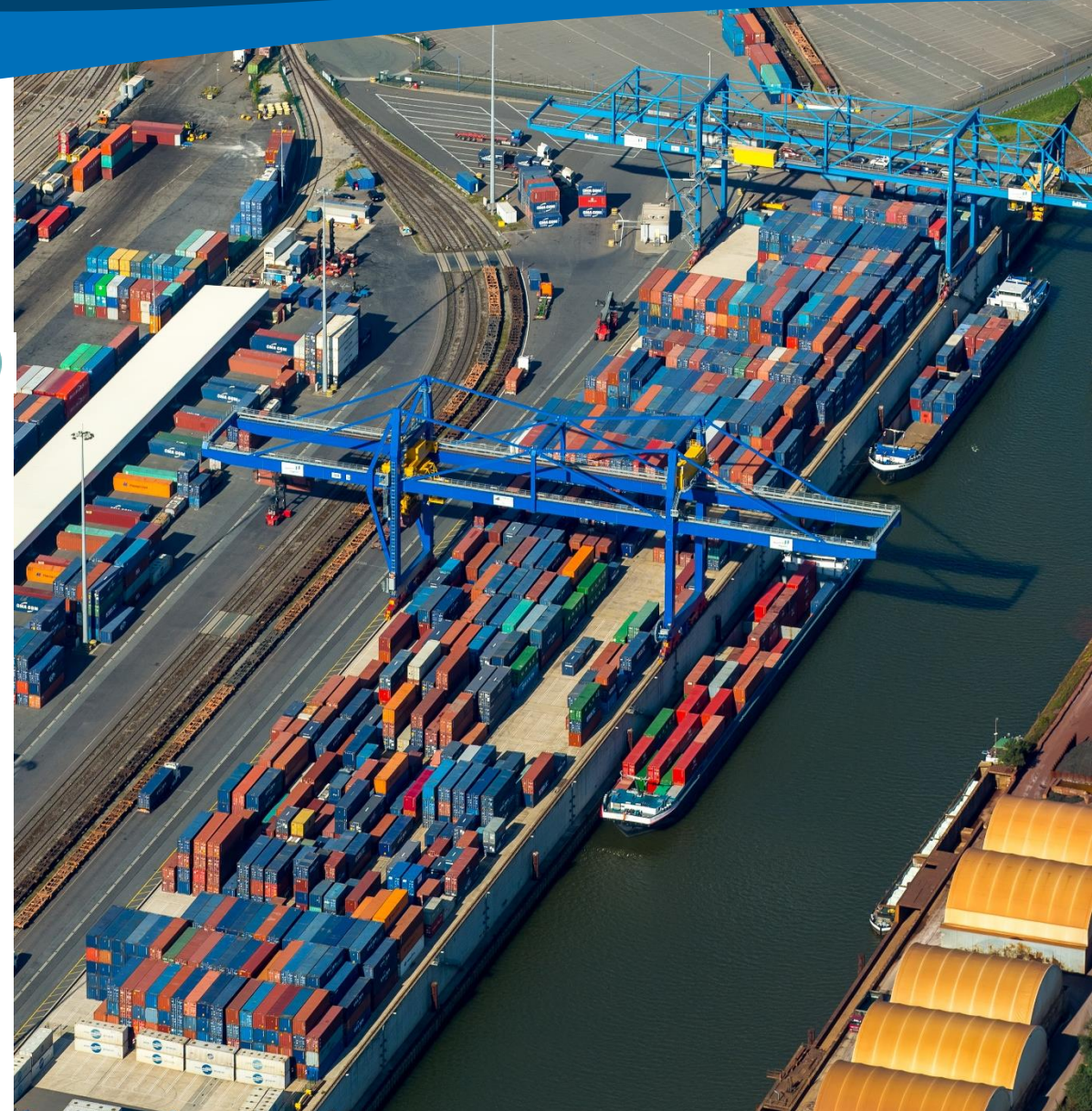
A - Smart Multimodal Logistics

- A1 - Flexible, high volume, fully automated multimodal shift from road to rail
- A2 - Multimodal transport of bulk cargo on the Danube



B - Digital and Automated Multimodal Nodes

- B1 - Automation of handling processes in inland terminals
- B2 - Predictive maintenance for port handling equipment
- B3 - Terminal Simulation and predictive container positioning
- B4 - Multimodal Node Digital Twin
- B5 - Multimodal Corridor Digital Service



Demonstrators

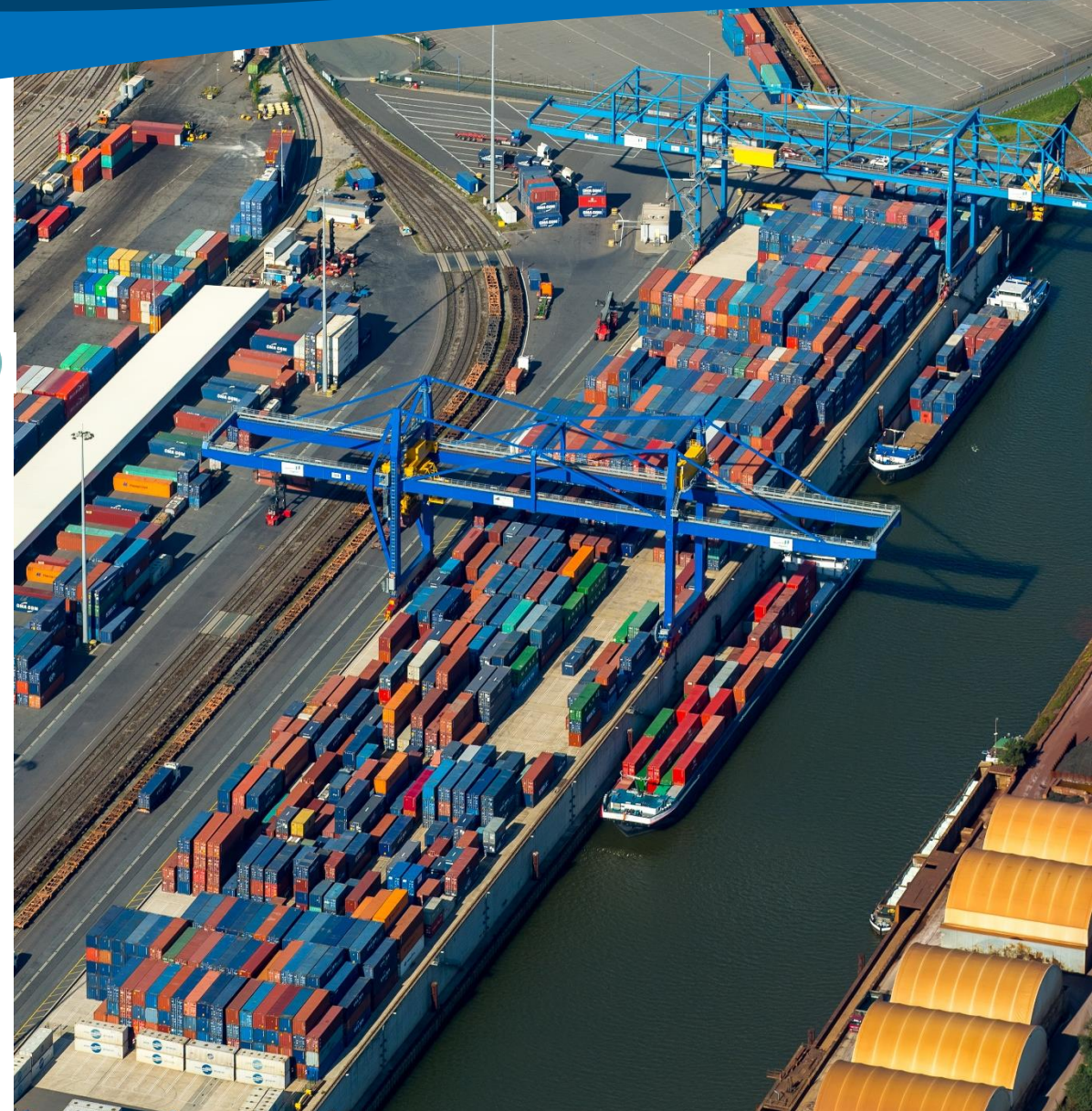
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Thank you for your attention!

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Funded by
the European Union

The project receives funding under the Horizon Europe Call “Safe, Resilient Transport and Smart Mobility services for passengers and goods” | Call ID: HORIZON-CL5-2021-D6-01, Grant ID: 101069796