



Ports & airports

Digitalisation and
processes
automation

Intelligent and Automated Ro-Ro Port Terminals



Funded by the
European Union

This project has received funding from the European Union's Horizon Europe research and innovation programme under grant agreement No 101147693

Developed by :



Project by :



AutoMoTIF
LOGISTICS SOLUTIONS SYNERGIES

Operational fields

Technologies

Solutions



INTELLIGENT AND AUTOMATED RO-RO PORT TERMINALS

Ports & airports

Digitalisation and
processes
automation



Solution description

This solution demonstrates the benefits of automating port terminal processes through simulation, specifically focusing on operations from vessel arrival to cargo storage.

It covers cargo handling, warehouse operations, and vehicle flows, with a particular focus on Roll-on/Roll-off (Ro-Ro) operations in the Port of Bilbao.

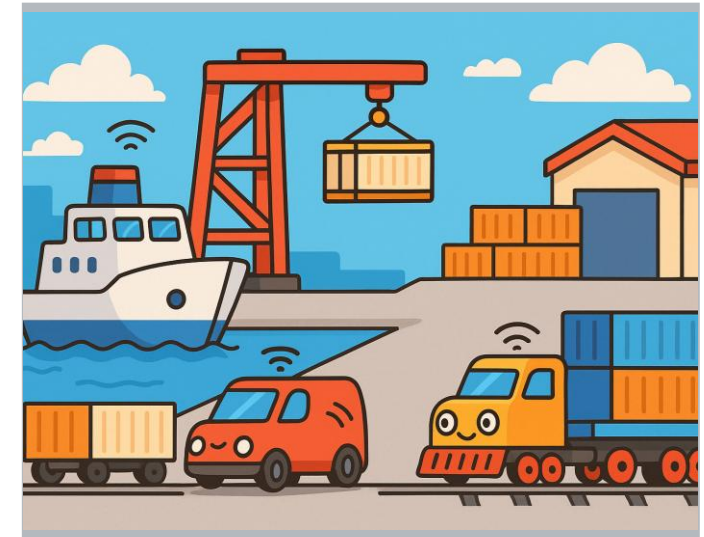
The simulation aims to find an optimal terminal configuration that minimizes inefficiencies and enhances synchronization.



Benefits

- Optimization of operations and transit times.
- Increased efficiency in cargo management.
- Improved synchronization within the logistics chain.
- Reduction of environmental impact.
- Provision of comprehensive forecasts for strategic planning.

Main beneficiaries:
Ports, Vessel Operators, Tugboat Operators, Logistics Providers



Technology readiness level : **4**
Implementation stage : **Simulation**

Operational fields

Technologies

Solutions



Intelligent and Automated Ro-Ro Port Terminals

Ports & airports

Digitalisation and
processes
automation



Connect to the
project



Would you like to know more?
Take contact :



Giuseppe Luppino
ALICE Programme Manager



Avenue Jacques Brel
38/0, B-1200 Brussels,
Belgium



Giuseppe.luppino@etp-alice.eu

<https://automotif-project.eu>

Operational fields

Technologies

Solutions

