



Rail freight

Digitalisation and
processes
automation

Autonomous Rail Shunting in Intermodal Terminals



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European Union

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Developed by :

MIS
Magli Intermodal Service



EURNEX

Project by :



AutoMoTIF
LOGISTICS SOLUTIONS SYNERGIES

Operational fields

Technologies

Solutions



AUTONOMOUS RAIL SHUNTING IN INTERMODAL TERMINALS

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Solution description

This solution explores and evaluates the implementation of **autonomous technologies in rail shunting operations** within an inland intermodal terminal (MIS terminal).

The goal is to **optimize operational flows in a complex and evolving layout** and assess the adaptability of automation.

Shunting operations are crucial for assembling, disassembling, and positioning trains for intermodal transport.



Benefits

- Increased efficiency and reliability in shunting operations.
- Reduced time for coupling and uncoupling wagons.
- Optimization of locomotive management.
- Improvement of safety.
- Support for the shift towards multimodal logistics.

Main beneficiaries:

Inland Intermodal Terminal Operators, Rail Freight Operators



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

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Would you like to know more?
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