Predictive container positioning in terminal

Funded by the European Union

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Developed by :

BOKU UNIVERSITY

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Project by :

MultiRELOAD
PORT SOLUTIONS FOR SUSTAINABLE MOBILITY

PREDICTIVE CONTAINER POSITIONING IN TERMINAL

Terminals and transhipment facilities

Digital Twins, AI and predictive technologies

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Solution description

This solution uses simulation and Artificial Intelligence to optimise container positioning in terminals.

By analysing historical data, it predicts the best locations for containers, reducing unproductive movements.

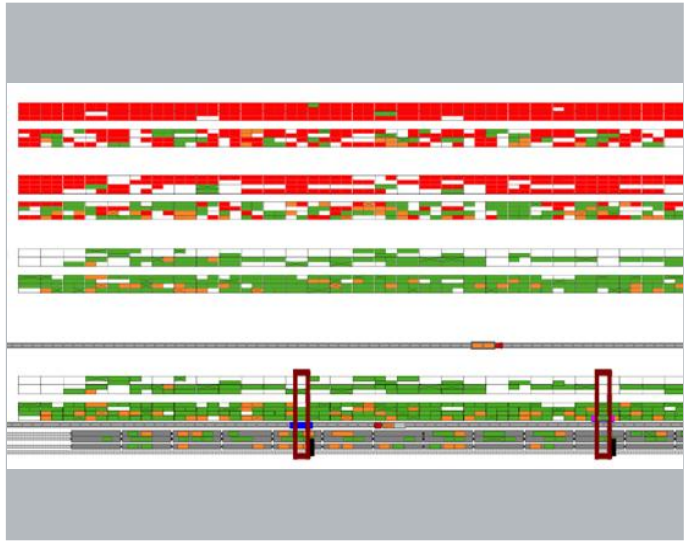
This digital model allows you to test strategies in a virtual environment, improving planning and operational efficiency without disrupting daily operations.

Benefits

- **Reduce unproductive container movements** to lower operational costs
- **Use resources more efficiently**, cutting energy consumption and emissions
- **Increase terminal capacity** by optimising use of higher-level slots

Main beneficiary:

TERMINAL OPERATORS



Technology readiness level : *8*
Implementation stage : *Pilot*

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Share your contact details and we'll get in touch with you!

Demonstration of simulation:

Would you like to know more? Take contact :

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