



Terminals and
transshipment
facilities

Automation
(physical) and
robotics

Automated loading/unloading of autonomous trucks



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European Union

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Developed by :



Project by :



Operational fields

Technologies

Solutions



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Solution description

An innovative automated loading/unloading robotic/AI control solution for automated trucks.

The system enables fully autonomous truck alignment with the bay, loading and unloading without human intervention.

Designed for logistics hubs and autonomous fleets, it showcases the role of digitalisation and automation in enhancing operational continuity and transforming freight handling.



Benefits

- Significant safety and efficiency gains.
- Automated loading eliminates on-site human labor, reducing workplace risk.
- It also enables longer operation times (even 24/7) and supports business cases where manual labor is scarce or expensive.

Beneficiaries: Logistics centers, warehouse operators, fleet operators, cross-docking facilities, truck OEMs, drivers' associations



Technology readiness level : **6-7**
Implementation stage : **Pilot**

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Demonstration:

- To constantly increase the level of autonomy across supply chains, Einride is exploring how loading and unloading of their autonomous vehicles can be done without a human intervention or presence.
- A prototype system at a logistics site where boxes or pallets are autonomously moved onto/off the CCAM truck.
- This demonstration aims to underscore the critical role of digitalization and automation in transforming the logistics industry.

Join our CCAM
Logistics Task Force
to know more on
MODI solutions!



Would you like to know more? Take contact :



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