

From Analog to Digital

Rail-Flow's Journey to Revolutionize Rail Freight

ESA COMMERCIALISATION GATEWAY

SPACE FOR BUSINESS BUSINESS FOR SPACE

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Digitizing one of Europe's most antiquated industries



THE EUROPEAN SPACE AGENC

 Remember the inaccuracy of tracking the position of your parcel before just using <u>https://postnl.post/tracktrace</u> or the difficulties telling your friends if you arrive on time for the football match?

○ In rail freight, it's still like that.

In rail freight, it's still 1980.

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Embracing the Digital Revolution



Rail-Flow sees this as an opportunity to transform the industry and make it competitive with road transport

- Analog working methods
- Underutilized resources
- Lack of transparency in shipment statuses
- Limited digital access no digital sales or payment
- Limited sharing of information and missing efficient collaboration

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Fulfilling High Expectations for Rail Freight



Taking rail from pencils, phones and faxes to the digital age already gives RF huge potential

Rail causes 9x less CO₂ emissions & needs 6x less energy than road

Politicians and

ecologists

are giving our cause

a powerful push

- CO₂ prices are being hiked
- The EU wants rail's freight share doubled by 2030e

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The Birth of Rail-Flow Platform





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RaiSu: Propelling Rail Freight to the Digital Age

- Specialized Rail Management System: Rail-Flow's tailored TMS integrates diverse data sources, enhancing rail transport efficiency and accuracy.
- 2. RaiSu Project with ESA Innovations: Rail-Flow pioneers rail freight evolution through cutting-edge technologies, leading the industry in digital innovation.
- **3.** Sustainable Transport Future: Rail-Flow's digital solutions promote sustainability, shaping the future of environmentally friendly transport logistics.
- **4. Inspiring Digital Transformation**: Rail-Flow's journey inspires industries, showcasing the potential of digitalization in revolutionizing traditional sectors.
- 5. Join the Revolution: Businesses are urged to embrace the digital revolution, eliminating manual tasks and ensuring competitiveness in the evolving transport landscape.

