Intermodal Digital Transformation

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Agenda

• About Hupac
• Role of digitalization
• Examples from other industries
• Intermodal digitalization challenges
• Hupac digitalization vision
About Hupac

• Hupac is Europe's leading intermodal network operator

• Facts & Figures (2017)
  • Locations: Switzerland (HQ), Italy, Germany, Netherlands, Belgium, Poland, Russia, China
  • 763,100 road shipments
  • 110 trains per day
  • 470 employees
  • 5,900 rail platforms
  • CHF 485.6 million turnover
  • 100% low-noise wagon fleet
Role of digitalization: risk or opportunity for combined transport?

Digitalization Impact Levels

- Innovation and new approaches
- Algorithms, machine-to-machine
- Platforms and standards
- Focus on efficiency

Key Drivers for Change:

A. New entrants increase logistic footprint (e.g., Amazon)
B. Shippers use advanced software to perform 3PL’s task (e.g., Bosch)
C. Improved communication & information richness (e.g., 5G)
D. Regulations push for digitalization (e.g., TAF-TSI)
E. Customers expect high reliability & valid information (e.g., ETA)

Source: UIRR
Examples from other industries

Market needs:
> Real time tracking and tracing
> Europe-wide «open data platforms»
> ETA Estimated time of arrival
Intermodal digitalization challenges: what do we need?

Simple, basic requirements:
- Paperless train management: e-CIM-doc for all players (IMs, RUs, customs etc.)
- Standardized EU braking sheet, with digital, paperless management
- Implementation of existing standards (e.g. TAF-TSI for all players)
- Tracking: implement unique train ID, for example number chosen by the customer
- Access to open data: temporary capacity restrictions, irregularities, safety related data
- Support the simplification of business processes to realize end-to-end digitalized intermodal
- Focus on easy, robust technology
- Help actors to upgrade their IT/EDI systems with specific EU funding

SPEED to keep up with market requirements!
The goal is to achieve an **end-to-end digitalized intermodal process** made possible with standards, partner collaboration and a simplified regulatory framework.

Hupac is actively working on different digitalization projects in order to provide additional customer services and simplify the business processes.