DIGITAL TRANSPORT & INTELLIGENT INFRASTRUCTURE:
DIGITALIZATION, STANDARDIZATION & SCALING
WORLDWIDE EXPERIENCE IN YOUR BUSINESS

- Shareholder & CEO: Maria Leenen
- Founded in 1994
- 24 Business Experts
- Locations: 3
- Consulting projects: >3,500
- Logistics
- Rail Business
- Worldwide network of experts
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Key topics in digitalization and automation

- Open data platforms
- Block chain
- Big data
- Artificial intelligence
- Digital business transformation

Daily railway operation

- Mechanical, manual processes
- No power supply in freight wagons
- Very limited data on wagons recorded

Age distribution of freight wagons in Europe

- Average asset life of 23 years
- Maximum asset life up to 40 years
- Slow innovation processes

The railway has to catch up

Source: SCI Database; Pictures: Pixabay
STRONG RAIL FREIGHT TRANSPORT IS CRUCIAL IN ORDER TO TACKLE CLIMATE AND TRANSPORT CHALLENGES SUCCESSFULLY

Changes in transport policies required
- Climate change
- Reduction of CO₂ emissions
- Gridlock in growing cities

Best e-mobility exists in railway
- Governments discover importance of railway
- Shipping has to improve its carbon footprint

The railway is forced to be the backbone of the transport network
A COMBINATION OF INNOVATIONS REGARDING RAILWAY VEHICLES AND PROCESSES AS WELL AS THE DIGITALIZATION OF INFRASTRUCTURE WILL LEAD TO A MODERN FREIGHT TRANSPORT

The railway family knows its homework
LARGE INVESTMENTS ARE REQUIRED IN THE RAILWAY SECTOR, HOWEVER ONLY RELATIVELY FEW RESOURCES HAVE BEEN MADE AVAILABLE

Railway operators hardly earn money
Development of rail freight profit/loss of European operators in 2017 [in EURm]

Digitalization of European infrastructure and vehicles requires massive investments

40-50 bn Euro

10-15 bn Euro

ETCS

Auto coupling

- Turnout monitoring system
- Fully automated terminals
- Digital driver assistance
- Fully digitized cockpit
- and more...

Railway companies are not able to cover the costs on their own

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ALL STAKEHOLDERS ARE RESPONSIBLE FOR LEADING THE RAILWAY INTO A SUCCESSFUL FUTURE
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