



# **S&N Metall UG GmbH**

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Welcome to a brief  
company presentation

# Agenda

- Introduction
- Portfolio:  
From project planning to project acceptance
- Cooperation: Presentation of the possibilities
  - Example Slovakia
  - Example West Europe
- Conclusion

# Introduction

- Global expertise in plant construction and mechanical engineering:
  - a) Power plants
  - b) Mining, processing and handling equipment
  - c) General steel construction
  - d) Vehicle manufacturing



# Portfolio

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**From project planning  
to project acceptance**

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# Portfolio

- Planning and Consulting
  - Preliminary studies
  - Economic and feasibility studies
  - Specification of conception
  - Development
- Technical Services
- Engineering
  - Detailed and overall planning
  - Construction
  - Documentation

# Portfolio

- Project Management
  - Procurement and production
  - Internal and external production (locally also)
  - Hydraulic systems
  - Pneumatic systems
  - Pre-assembly
  - Quality Management System
  - Acceptance procedure
  
- Shipping
  - around the world

# Cooperation

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**Presentation of the possibilities**

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# Example

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## Slovakia

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# Cooperation: Slovakia

- The Slovakian company:
  - One of the main freight wagon and bogie manufacturer in Europe
  - Over 85 years of experience in the engineering industry
- Company objectives:
  - Development, manufacture and sale of rail cars and their parts
  - Maintenance and repair of rail cars
  - Automated data processing – software assignment
  - Metal processing
  - Working with cranes and excavators
  - Road haulage

# Cooperation: Slovakia

- Production of:
  - Wagons and wagon subgroups
  - Bogies and bogie subgroups
  - Stable and mobile pressure vessels
  - Mechanical and pneumatic braking systems for rail vehicles
  - Specific production equipment
  - Products of mechanical engineering

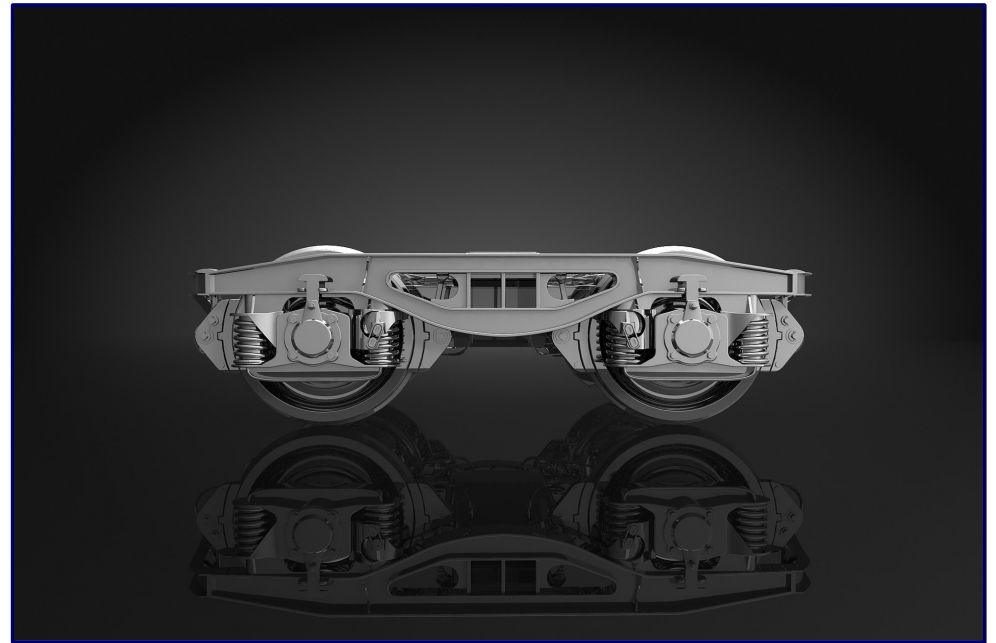
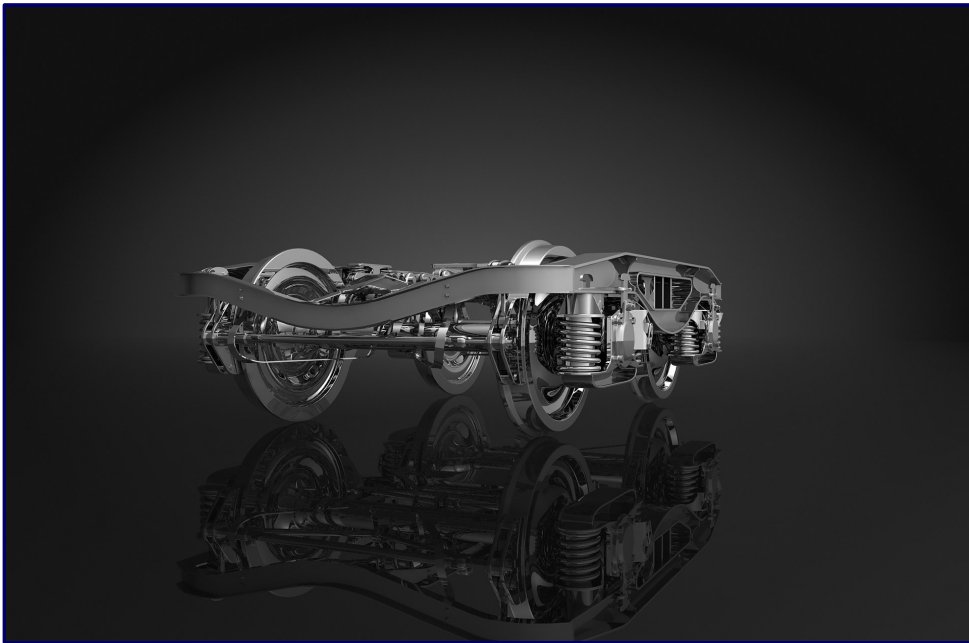
# Cooperation: Slovakia

- Production program
  - Freight wagons
    - Flat wagons (Rgs, Res, Rnss, Samms etc)
    - Intermodal wagons (Sgnss 60', Sggrs/ss 80', Slpss, Sdgnss etc)
    - High-sided and covered wagons (Hbbillns, Shimmns, Fans, Falrrs etc)
    - Tank wagons (Zacens 38,5m<sup>3</sup>, Zacns 45/52/54/59...m<sup>3</sup> etc)
    - Special wagons (Laes, Laaps, Smmnps, Talns 85m<sup>3</sup> etc)
  - Bogies
    - TVP 2007
    - Y25 Ls(s), Y25 Lsd1, Y25 Ls1-K etc
    - BA 715, BA 716, BA 714.3

# Cooperation: Slovakia

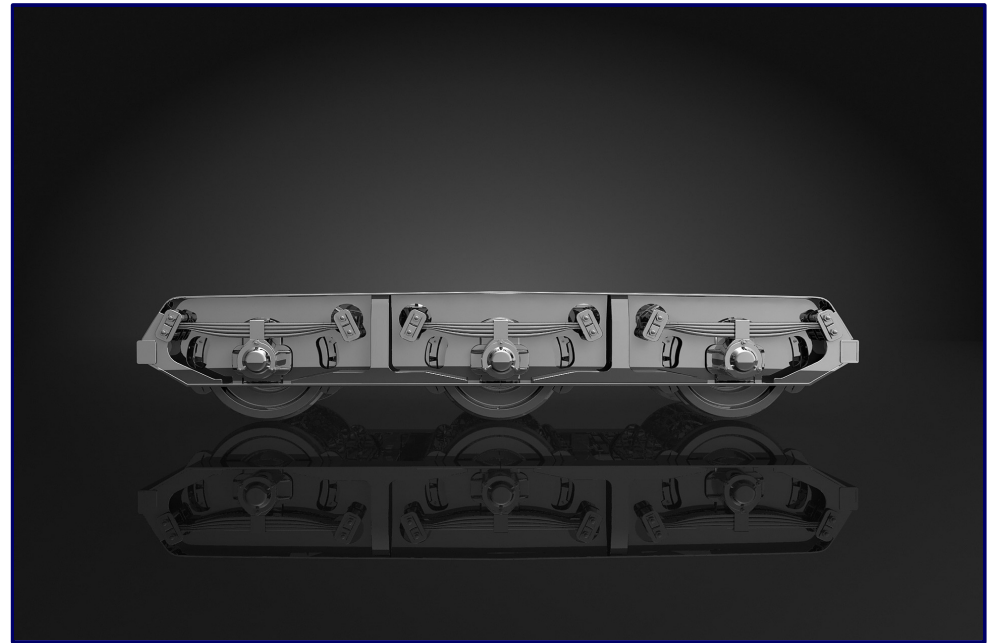
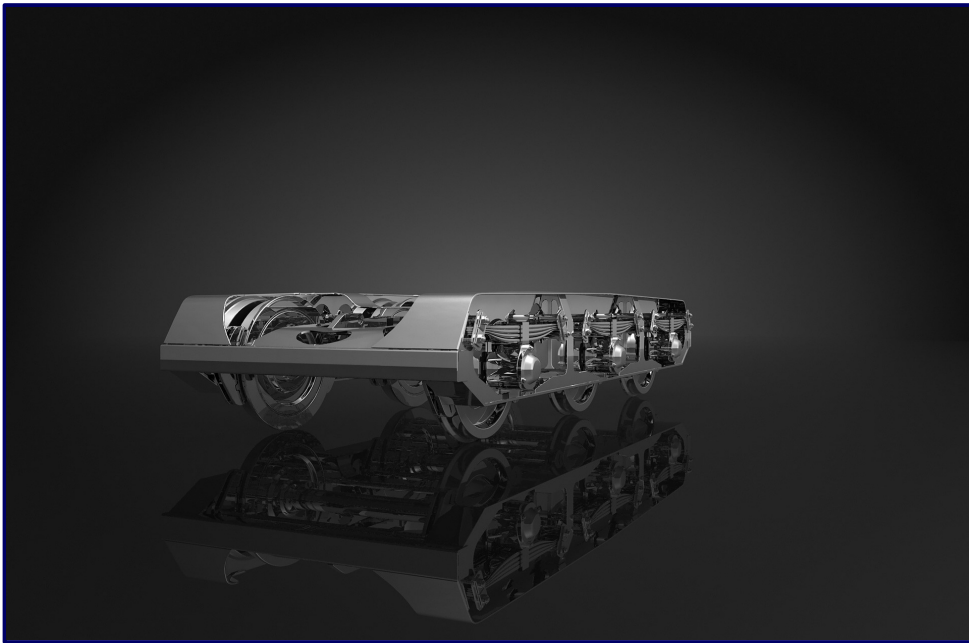
- Quality certificates:
  - Quality management system ISO 9001:2000
  - Quality management system ISO 9001:2008
  - EN ISO 3834-2 (SVV Prague)
  - EN ISO 3834-2, AD 2000-Data sheet HP 0/TRT 009 (TÜV South Germany, Munich)
  - DIN EN 15085-2 (SLV Hannover)
  - etc

# Example: Slovakia



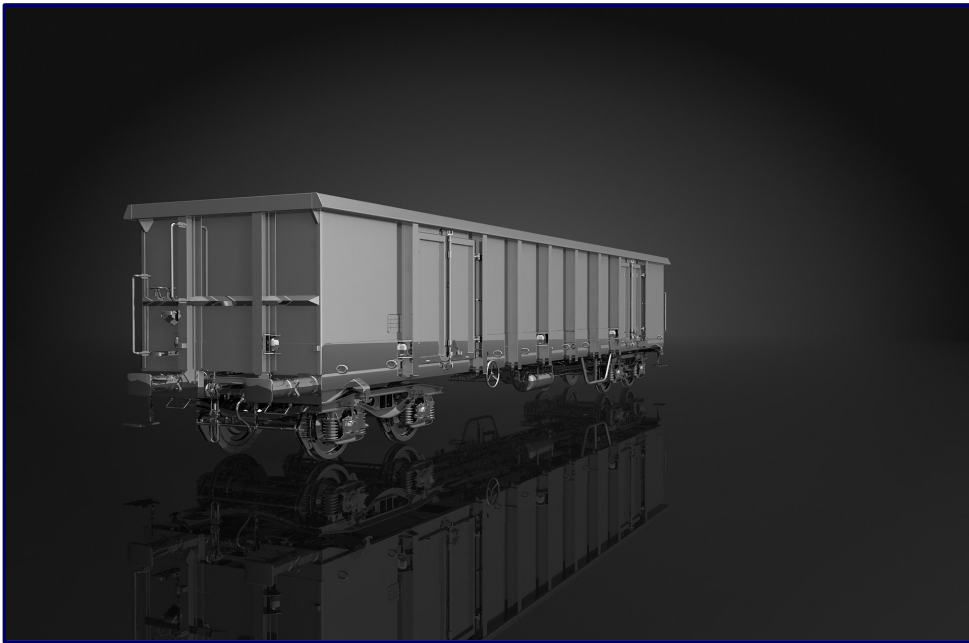
**Chassis Y25 LS1-K**  
**(for freight wagons with an axle load of 22,5 t)**

# Example: Slovakia



**Chassis BA 714 3**  
**(for freight wagons with an axle load of 22,5 t)**

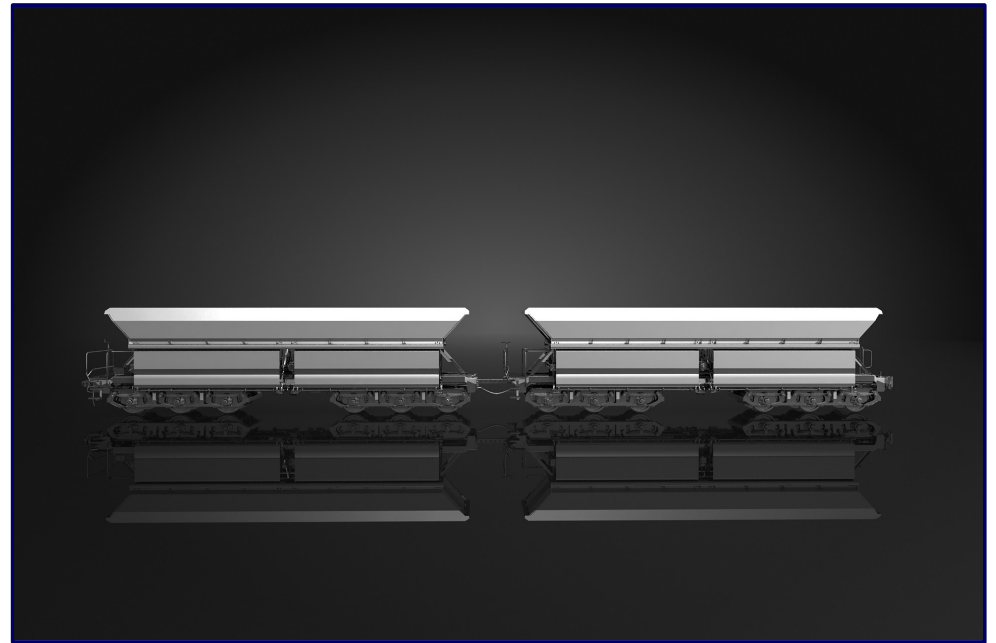
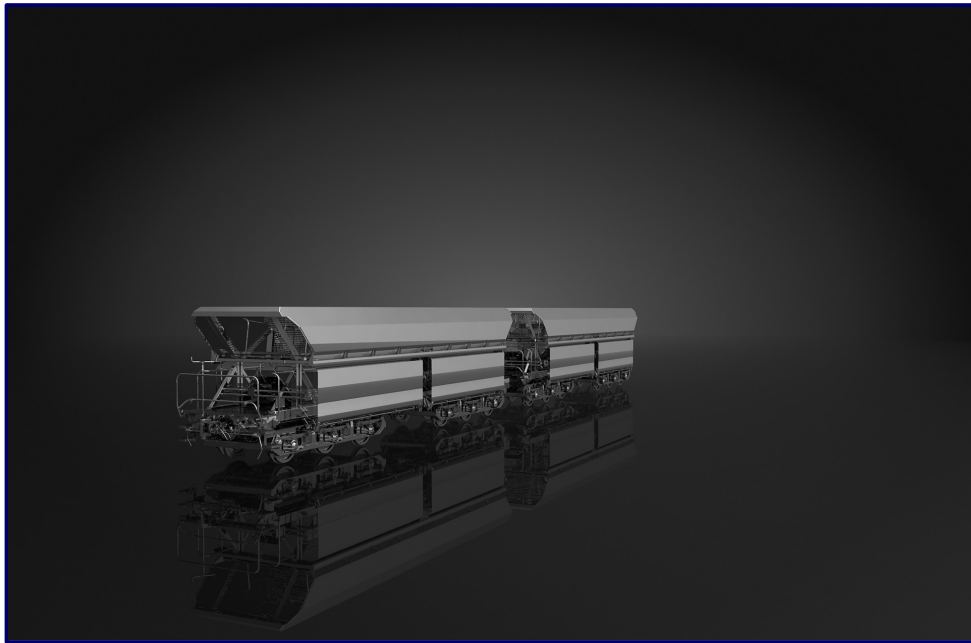
# Example: Slovakia



**EANOSS**

**(transport of bulk material: scrap iron, coal, coke, sand, etc)**

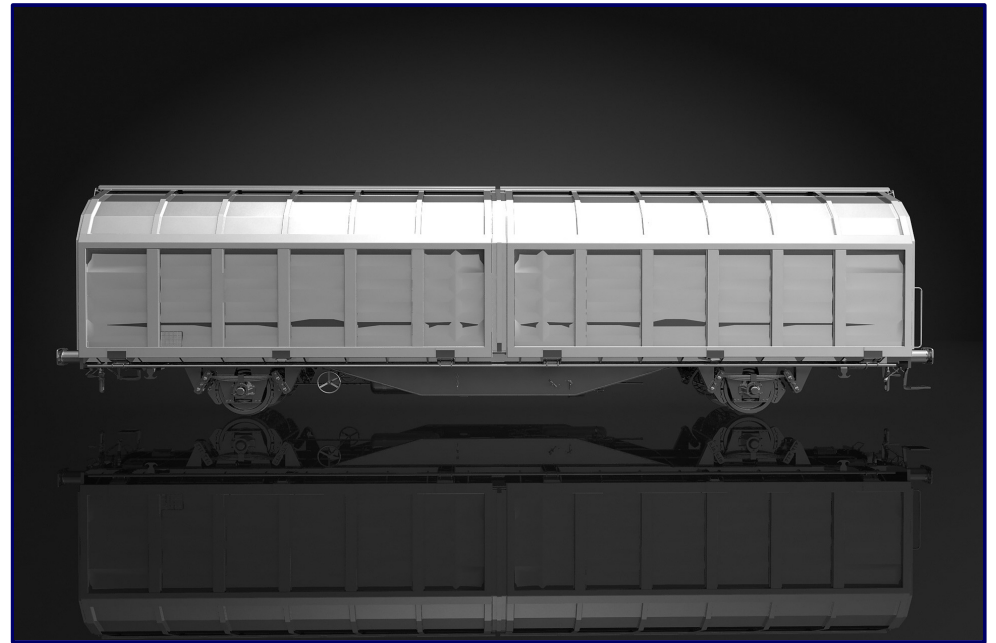
# Example: Slovakia



**FALRRS**  
(intended for transport of ore)



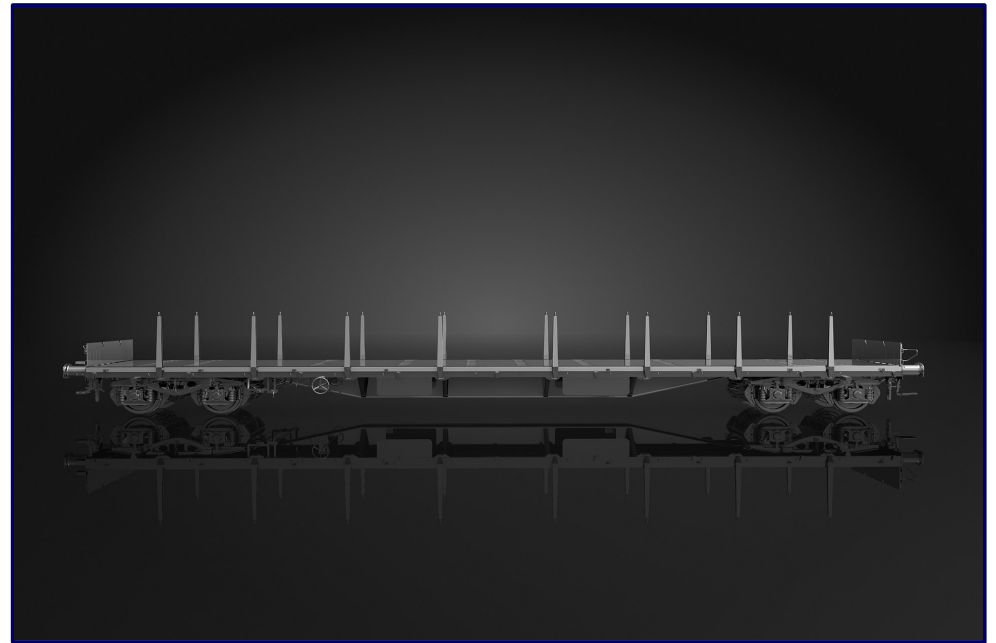
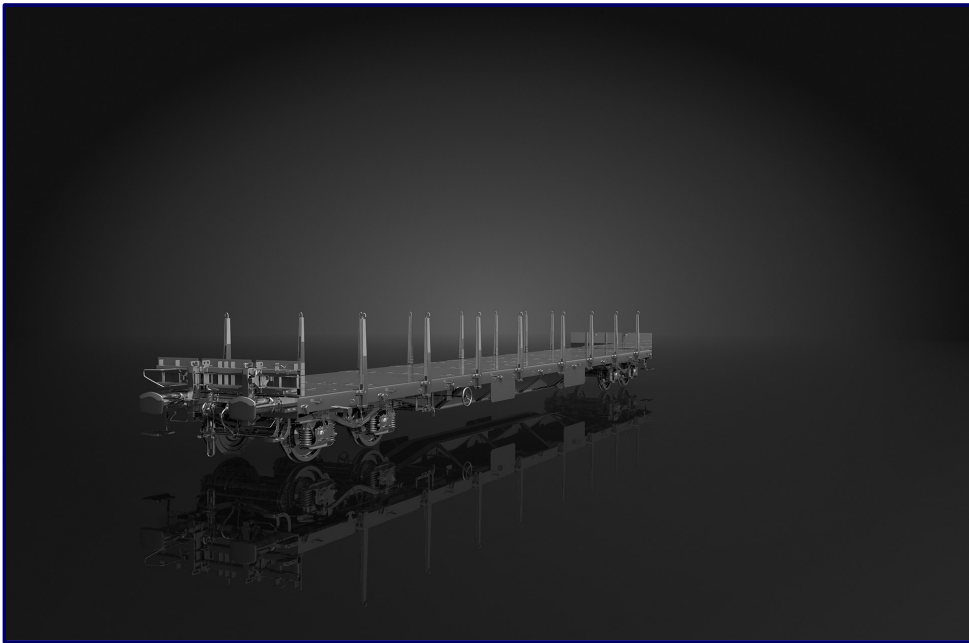
# Example: Slovakia



**HBBILLNS**

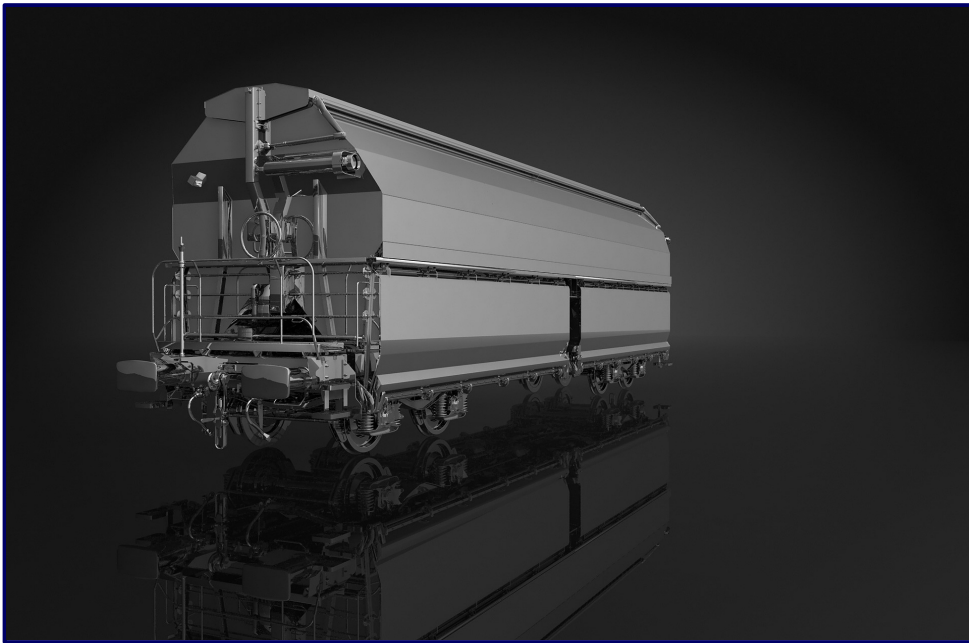
**(transport of weather-sensitive, large volume goods and goods in pallets)**

# Example: Slovakia



**RNSS**  
**(transport of metallurgical material)**

# Example: Slovakia



**TALNS**  
**(transport of bulk materials with double-sided self-discharge)**

# Example

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## West Europe

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# Kooperation: West-EU

- The Western European company:
  - Founded in 2011, over 6000 full-time employees
  - European leader in railcar industry
- Product and service range:
  - Rail car manufacturing
  - Component manufacturing
  - Transport services
  - Rail car Leasing & Fleet Management

# Kooperation: West-EU

- International quality standard norms:
  - TSI 2006/861/CE – Technical specifications for interoperability,
  - CUU Norms (AVV for Germany) – Uniform agreement for using railways wagons,
  - RID 2007 – Regulations for transporting dangerous products,
  - SR EN 12663 – Dimension requirements of the structure of railway vehicles,
  - SR EN 14731 – Welding co-ordination, attributions and responsibilities,
  - DIN EN ISO-15607 – Requirements and qualifications of welding methods for metallic materials,
  - SR EN 15085 – Welding of the railway components and vehicles,
  - etc

# Kooperation: West-EU

- The most important references:
  - Arad Tram: complete modernisation of Arad Tram lines
  - National Roads: upgrading of regional roads and highways
  - Rail Infrastructure: Rail system modernization, including replacement of 360 bridges
  - Arad Water Treatment Plant: assembly and installation
  - Arad Sewer: modernization of Arad sewage system, funded by World Bank
  - Timisoria Airport: expansion of the existing airstrip and the park stage
  - etc

# Example: West-EU



**Intermodal wagon**



**Flat wagon**



**Tank wagon**



**Steel Product wagon**



# Example: West-EU



**Box wagon**



**Hopper**



**Special wagon**

# Conclusion

# Conclusion

- What can we offer?
  - Customer focus
  - Project Experience
  - Reliability
  - Competence
  - and much more...
- ...To ensure that your project is successful!

**Thank you**

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**for your attention**

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