

## Company profile 2021




TO BE THE FIRST CHOICE

## HISTORY

- 1922** Haláth & co. – machinist workshop
- 1940** start of freight wagon production
- 1970** economic top of the Czechoslovakia
- 1994** establishment of the joint stock company TATRAVAGÓNKA Poprad
- 1994** Obtaining the ISO 9001 certificate
- 2005** Company TATRAVAGÓNKA, a. s., Poprad in insolvency

## PRESENT TIMES

**2018**   
entry of a new shareholder (1/2 share)

**2006**   
entry of a new shareholder

### RAILWAY INDUSTRY

- 2012** 
- 2018** 

### SUPPLIERS FOR THE RAILWAY INDUSTRY

- 2008** 
- 2010** 
- 2012** 

- 2021** 
- 2020**   

- 2019** 
- 2018**   

- 2015** 
- 2010** 
- 2008** 
- 2006** 

## BASIC INDICATORS OF THE COMPANY TATRAVAGÓNKA



TATRAVAGÓNKA is a **leader** in the field of production and development of wagons and bogies in Europe.



The annual capacity is **12,000** bogies. Production of **25** different variants simultaneously. TATRAVAGÓNKA is the only manufacturer of 3-axle bogies in Europe.



A dominant manufacturer of wagons and bogies of all types of European track gauges with a market share of **30%**.



**90%** of production is a result of own development. The company deals also with redesign of existing design types.



The annual capacity of TATRAVAGÓNKA is **4,500** wagons. Simultaneous production of **9** different types.



Incomes of TATRAVAGÓNKA for 2020 were **€ 390 mil.** The annual amount of investments is **€ 16 mil.**

TATRAVAGÓNKA belongs to a stable background for:

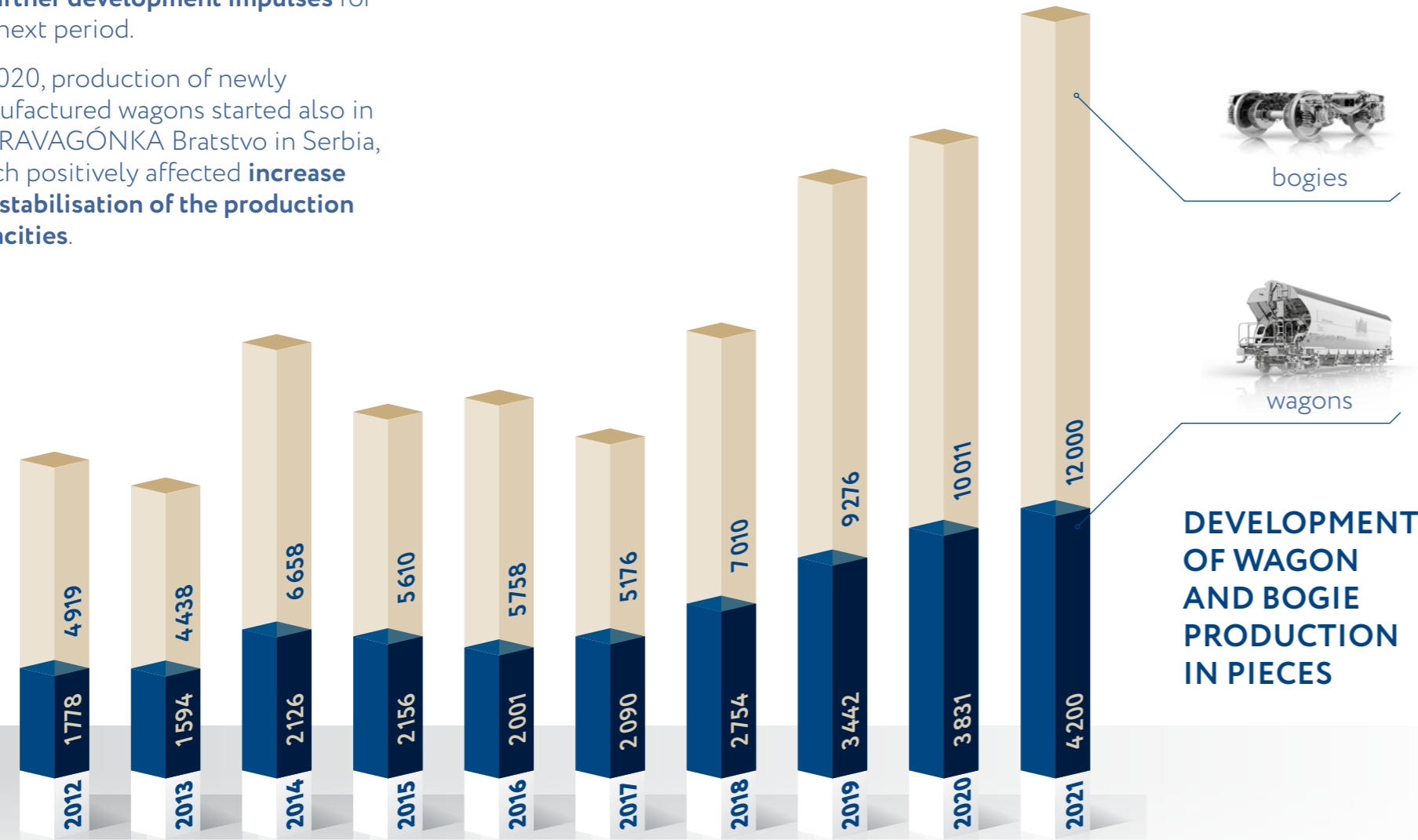
**7** manufacturers of wagons and bogies,  
**2** plants for repairs, revisions and reconstructions of rolling stock,  
**7** manufacturers of components for railway industry in **5** world countries,  
**90%** of TATRAVAGÓNKA products are manufactured within this "family".



## BASIC INDICATORS OF THE COMPANY TATRAVAGÓNKA

Positive economic results of the last years are a prerequisite for **realisation of further development impulses** for the next period.

In 2020, production of newly manufactured wagons started also in TATRAVAGÓNKA Bratstvo in Serbia, which positively affected **increase and stabilisation of the production capacities.**



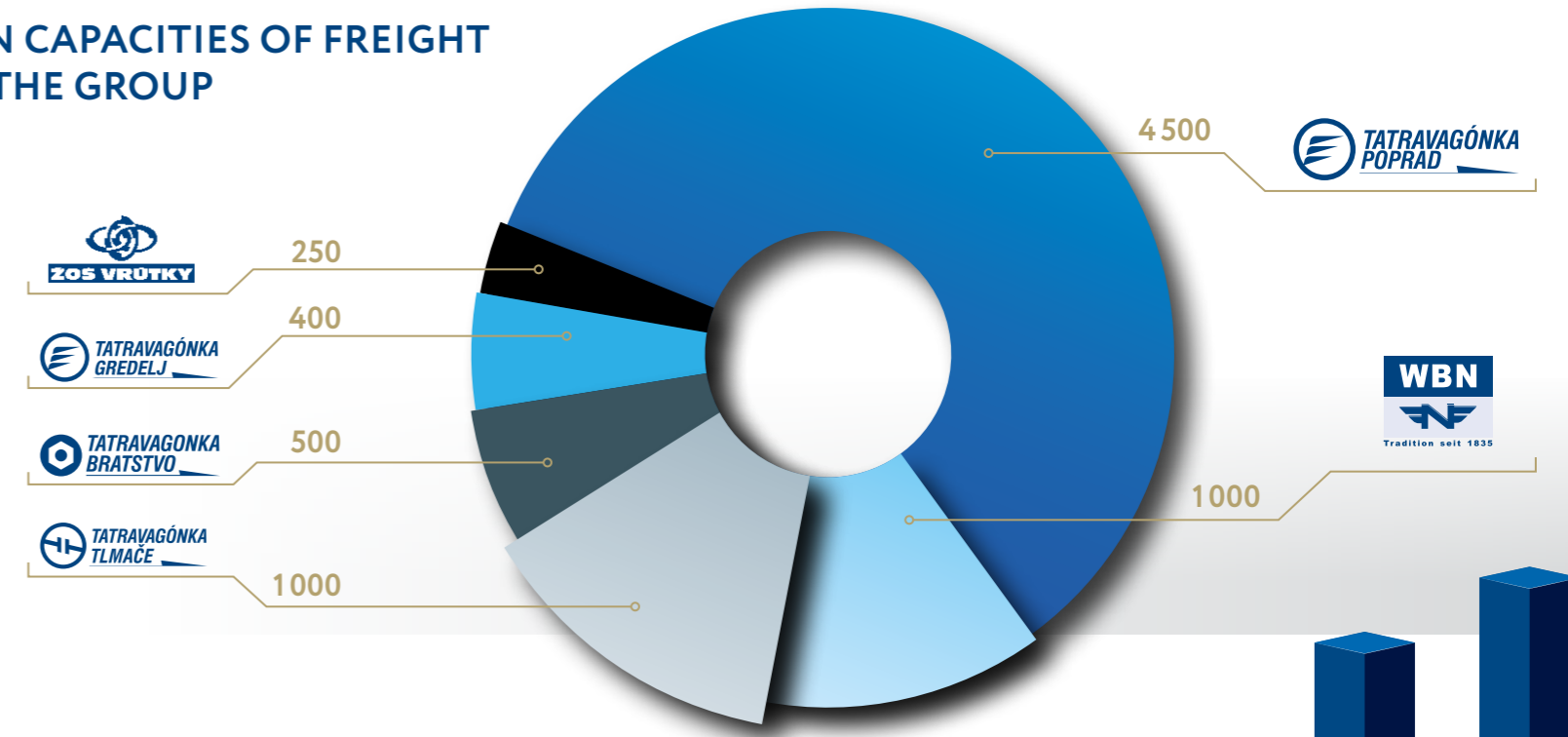
bogies



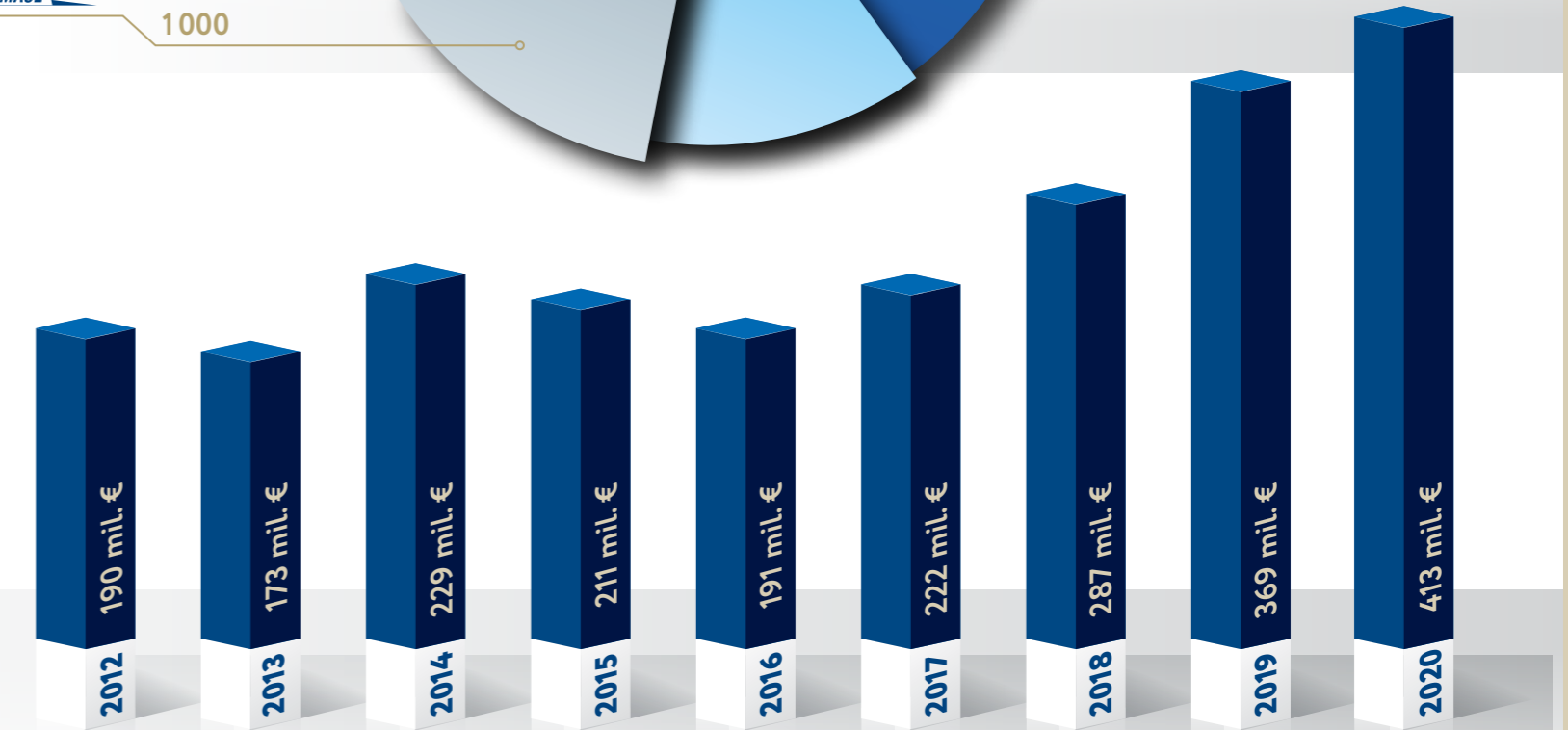
wagons

DEVELOPMENT OF WAGON AND BOGIE PRODUCTION IN PIECES

## PRODUCTION CAPACITIES OF FREIGHT WAGONS IN THE GROUP



## SALES IN €



## R & D BASIS

We have a stable and experienced development team, which specialises upon complex design and development of new production with a clear focus on innovative solutions while respecting requirements for functionality, safety and reliability of a product.

### BASIC FACTS



The **R&D** Department was established in the company in **1952**.



**90%** of production is a result of our own development.



During this period, we have developed almost **200** different types of wagons and bogies.



We participate at creation of the European railway strategy in the field of freight railway transport.



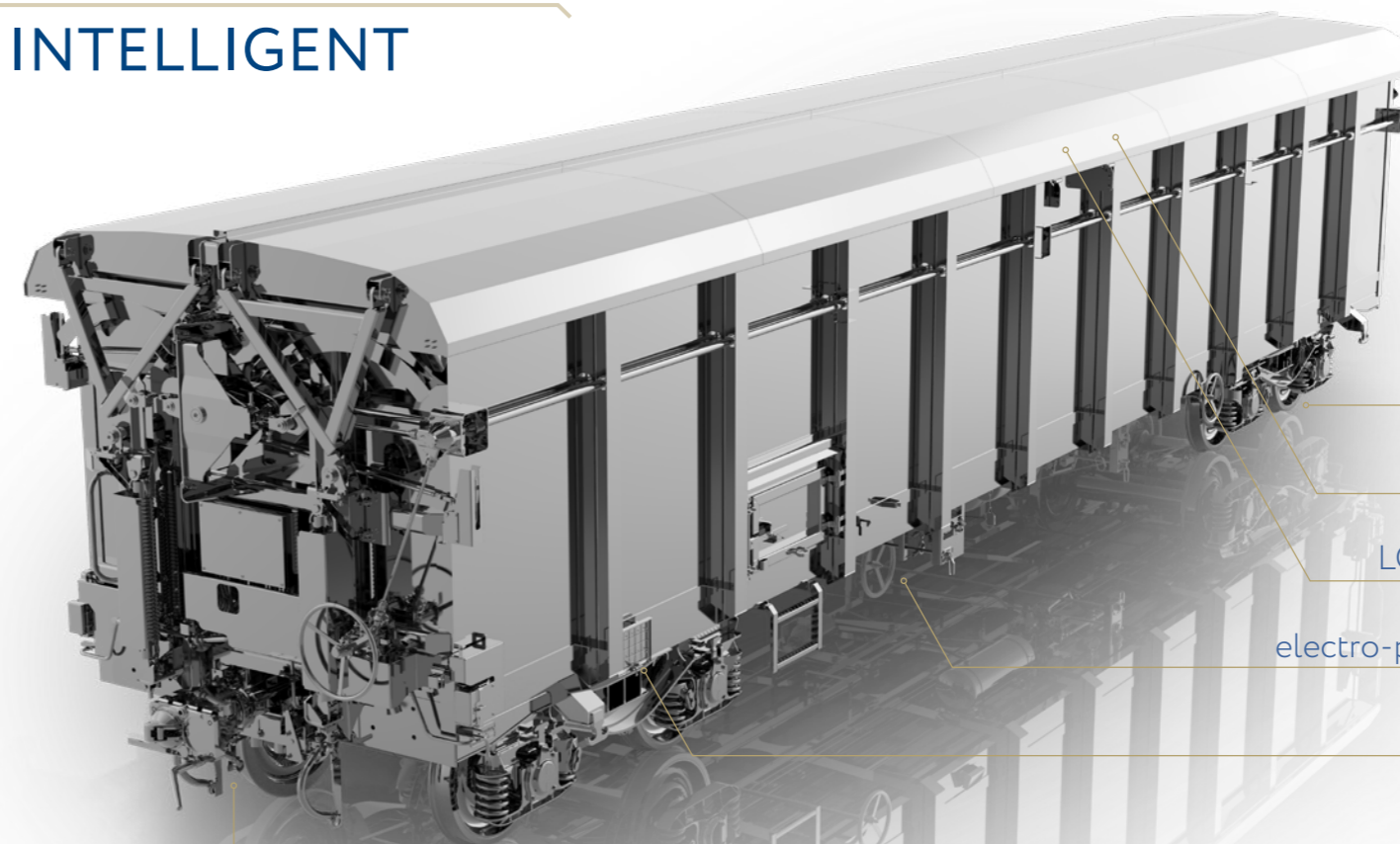
We own more than **40** patents and utility designs.



We cooperate at creating and modifications of the European standards and regulations.

We develop products for our customers while respecting a strategy of development in the freight railway transport, which lies in development of innovative freight wagons that are ready to be integrated into the intelligent freight train set.

## FROM INNOVATIVE TO INTELLIGENT



innovative running gear

innovative design

LCC freight effectiveness

electro-pneumatic brake system

telematics and sensors

digital automatic coupling

automated operations

data and energy management



## FROM IDEA TO EXECUTION

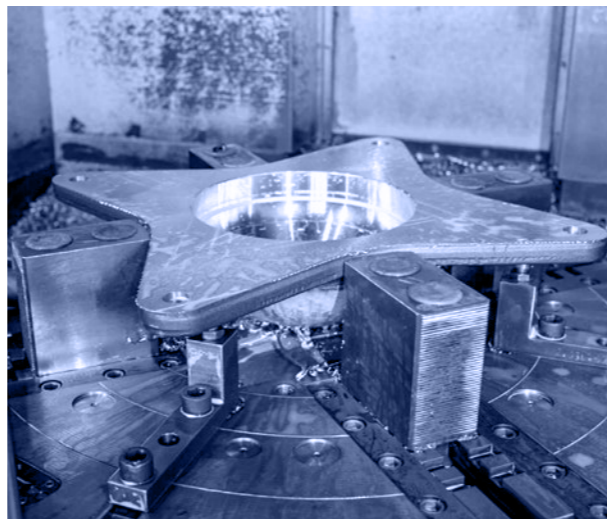
The whole world is on the threshold of an industrial revolution 4.0, and TATRAVAGÓNKA, holding a doorknob from this door, accepts new challenges, which are focused upon intelligent and innovative production.

**Long-term and systematic investments to new technologies significantly**

**increase effectiveness and stability of the production process.**

We dispose of modern technologies in the field of logistics, storage, cutting, machining of materials and surface treatment.

The company achieves a high level of welding automation.

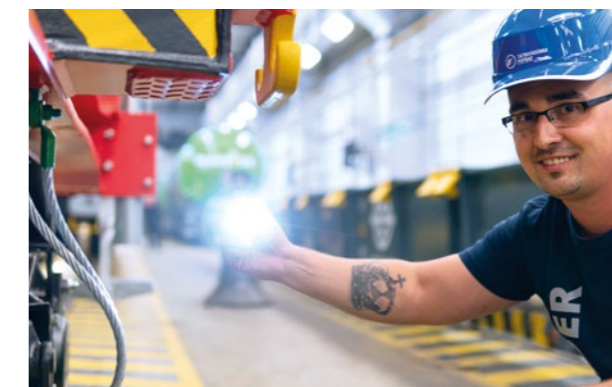




## THROUGH INSPECTION TO QUALITY

TATRAVAGÓNKA **monitors and applies modern trends in the field of quality**, and it orients towards optimisation of all processes of the company – not only the production process.

The project management checks the individual projects during their whole life time. **Production quality** is a key factor for customer's decision making process when choosing a supplier, and therefore we pay attention to its **thorough inspection**.



## THROUGH QUALITY TO SATISFACTION

Our highest target is customer's satisfaction, and one of the main priorities is achieving the highest possible level of certification and management system.

In the company, the quality management system is regularly verified by the audits resulting from the TSI regulations, customer's requirements, legislative and the market.



### ISO 9001

A standard established on the principles of the quality management and containing a strong pro-customer orientation, motivation and top management involvement, process approach and constant improvement.



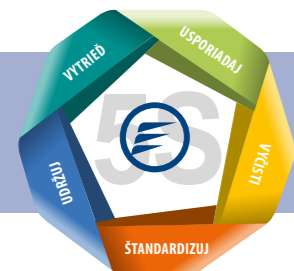
### ISO/TS 22163

A standard that specifies requirements for a quality management system of a company doing business in the field of railway industry.



### ISO 14001 a ISO 45001

Certificates covering environmental and safety related aspects of the management system.



Within constant improvement, we apply newest methods and knowledge from the area of lean management that stand on the firm foundations of the process management.

## THROUGH SATISFACTION TO STABILITY

Strength of the TATRAVAGÓNKA trademark is based upon 100-year history of determined and tireless work. Complexity of our own development and professionalism of our production capacities is a guarantee of a stable partner for railways and forwarders not only across Europe.





# THROUGH STABILITY TO MOTIVATION

The greatest determinant of success is human capital. TATRAVAGÓNKA, a.s. one of the largest employers in the region, places emphasis on adaptation, education, preparation and stabilisation of its employees.



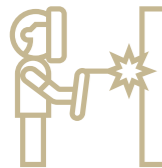
The company values are created by almost **3 000 employees**



An average length of employment is more than **10 years**



More than **7,000 re-trainings** employees per year



Welding schools qualifies **800 qualitative welders** per year



Active cooperation with high schools and universities – own system of **dual education**



Special team of **development management** that participates at commissioning of new plants abroad and at home



Rich **motivation program**



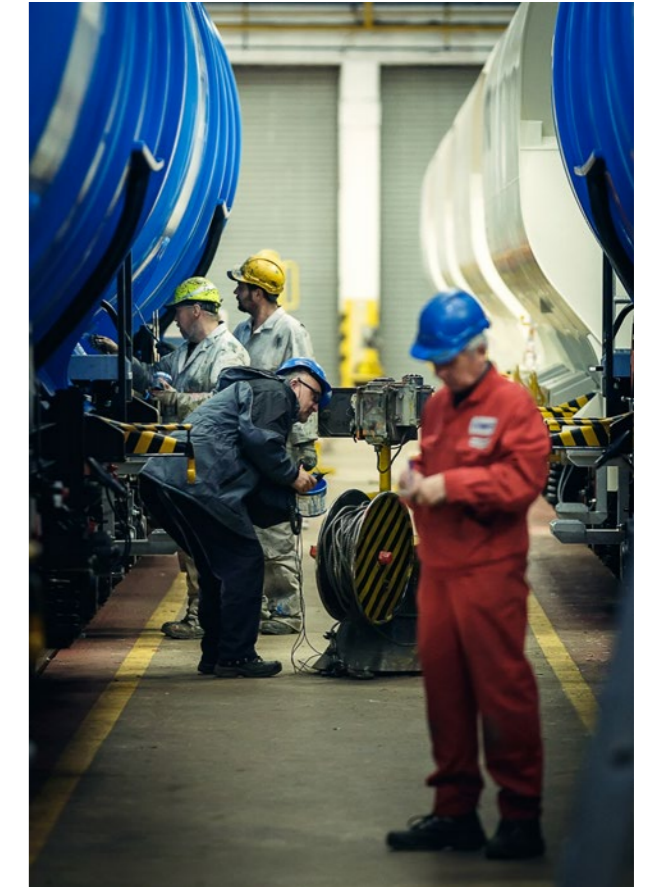
Active participation of employees at **CSR activities**



Sponsorship and **philanthropy commission**



## NAŠA TATRAVAGÓNKA



## THROUGH MOTIVATION TO VALUES

TATRAVAGÓNKA employees proudly adhere to the following values.



### NAŠA TATRAVAGÓNKA

ZODPOVEDNOSŤ SPOLUPRÁCA DÓVERA INOVATÍVNOSŤ BEZPEČNOSŤ

#### RESPONSIBILITY

We behave professionally and we want to constantly learn new things and improve both humanly and professionally. We approach the living, social and cultural environment responsibly.

#### COOPERATION

It is based on two pillars, self-confidence and humility. Each of us believes in ourselves and remembers that we can do it together. We work together to achieve our common goal. We are all members of one team and work together for integrity, responsibility, quality, excellence and expertise.

An important element of our cooperation is open communication across the entire company. We share not only the same values, but also the same information.

#### INNOVATION

We are appropriately curious and with an open mind we create, implement and look at innovative solutions in the rail freight market. The personal development and education of all our employees brings us creative solutions, approaches and perspectives from little things to big projects. We push the boundaries and look for new challenges that materialize in real products thanks to our creativity.

#### TRUST

It is our common moral value, by which we express our unequivocal attitude towards the TATRAVAGÓNKA company. This value unites us and manifests itself in loyalty to the company. We trust each other, and at the same time we are trustworthy. We also show trust to our colleagues, whether it is a superior or a subordinate. We also treat our partners openly, transparently and ethically, building our credibility and respect in business relationships.

#### SAFETY

It is paramount for all of us. We value human life the most. Our highest priority is to create a safe work environment. We do not compromise on security, nor is it affected by the achievement of the company's goals, quality, costs and deadlines. We are aware of our responsibility for our own safety. At the same time, we assume collective responsibility for the safety and health of each one of us.

## THROUGH VALUES TO VISION

Our vision is based upon four basic pillars:



To achieve a **dominant position** in the production of freight wagons and bogies through **quality and flexibility** of deliveries using traditional values, experience and modern technology.



To be a stable and attractive employer through an open corporate culture focused on **teamwork**, connecting employees through management and an individual approach.



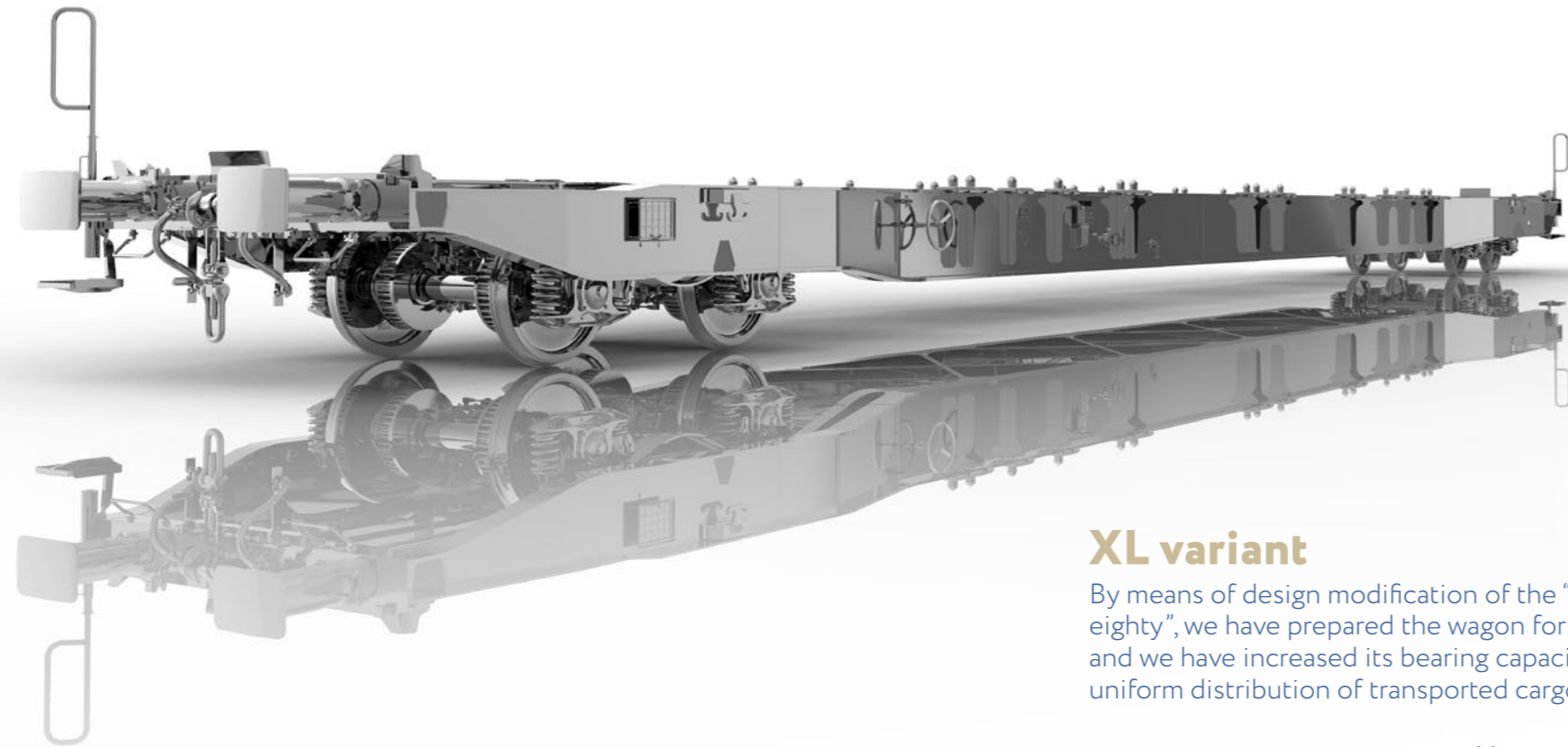
To develop and produce innovative products that satisfy all customer requirements through **satisfied and qualified employees**.



To create a social and work environment for employees, in which they behave responsibly towards their health and the health of their colleagues, through strict adherence to **safety standards and norms**.

# TO BE THE FIRST CHOICE

## INTERMODAL CONTAINER AND POCKET WAGONS

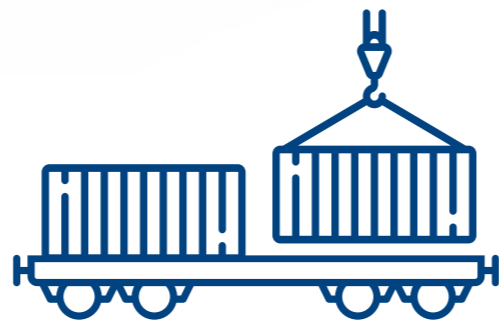


### XL variant

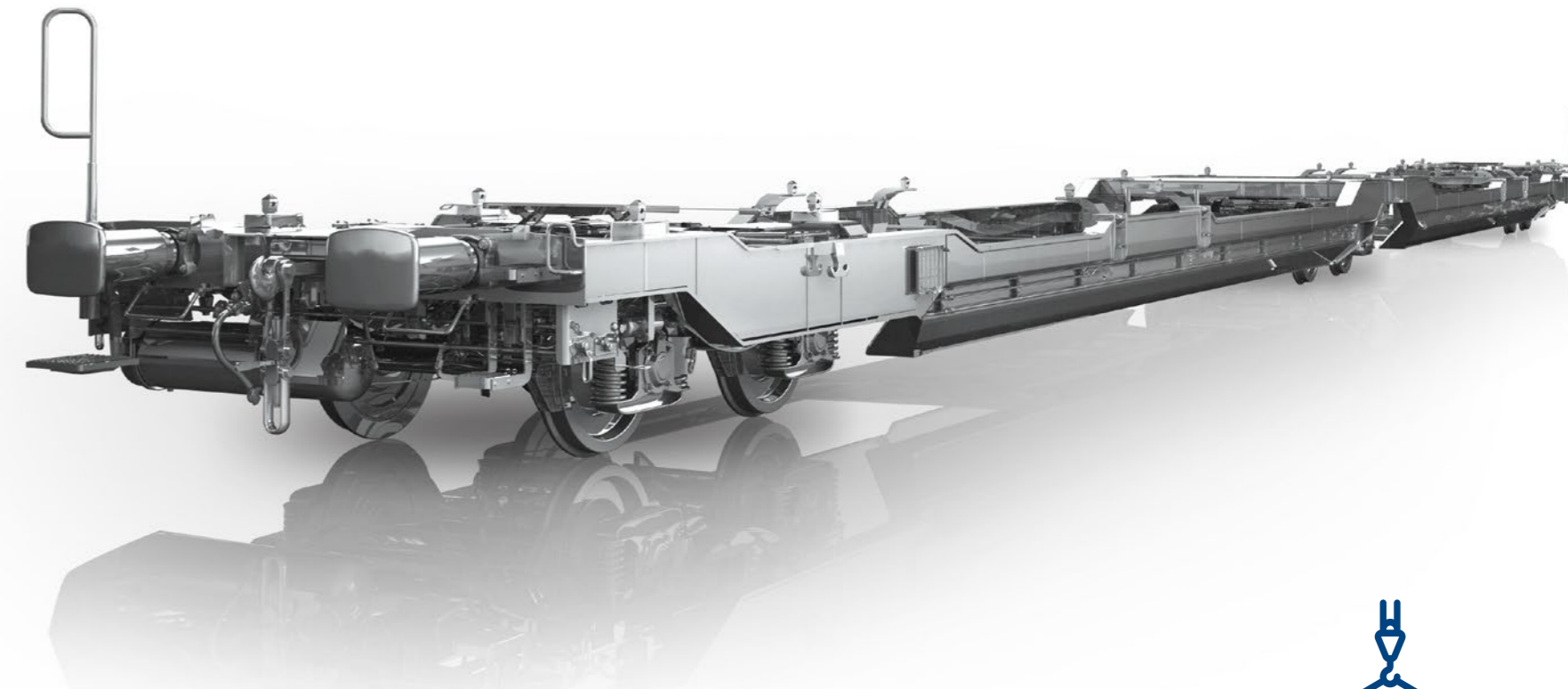
By means of design modification of the "Light eighty", we have prepared the wagon for DAC, and we have increased its bearing capacity at uniform distribution of transported cargo.

### LIGHT EIGHTY – Sggnss 80' DAC ready

The long-term bestseller at the market of wagons for transportation of containers not only due to its low weight of 21.5 t, but also due to a possibility to load 5 types of containers and swap bodies in 30 different container combinations. A non-traditional construction of this TSI wagon does not only reduce its noise to measured 78 dB(A), but mainly it enables to increase transportation effectiveness at 20% reduction of energy consumption (in comparison to the standard articulated 80'). By reduced number of bogies, it reduces demand for maintenance of the brake systems.

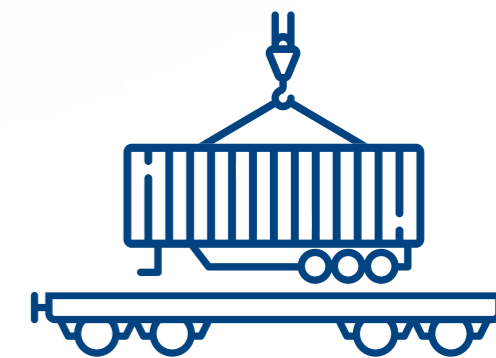


container transportation

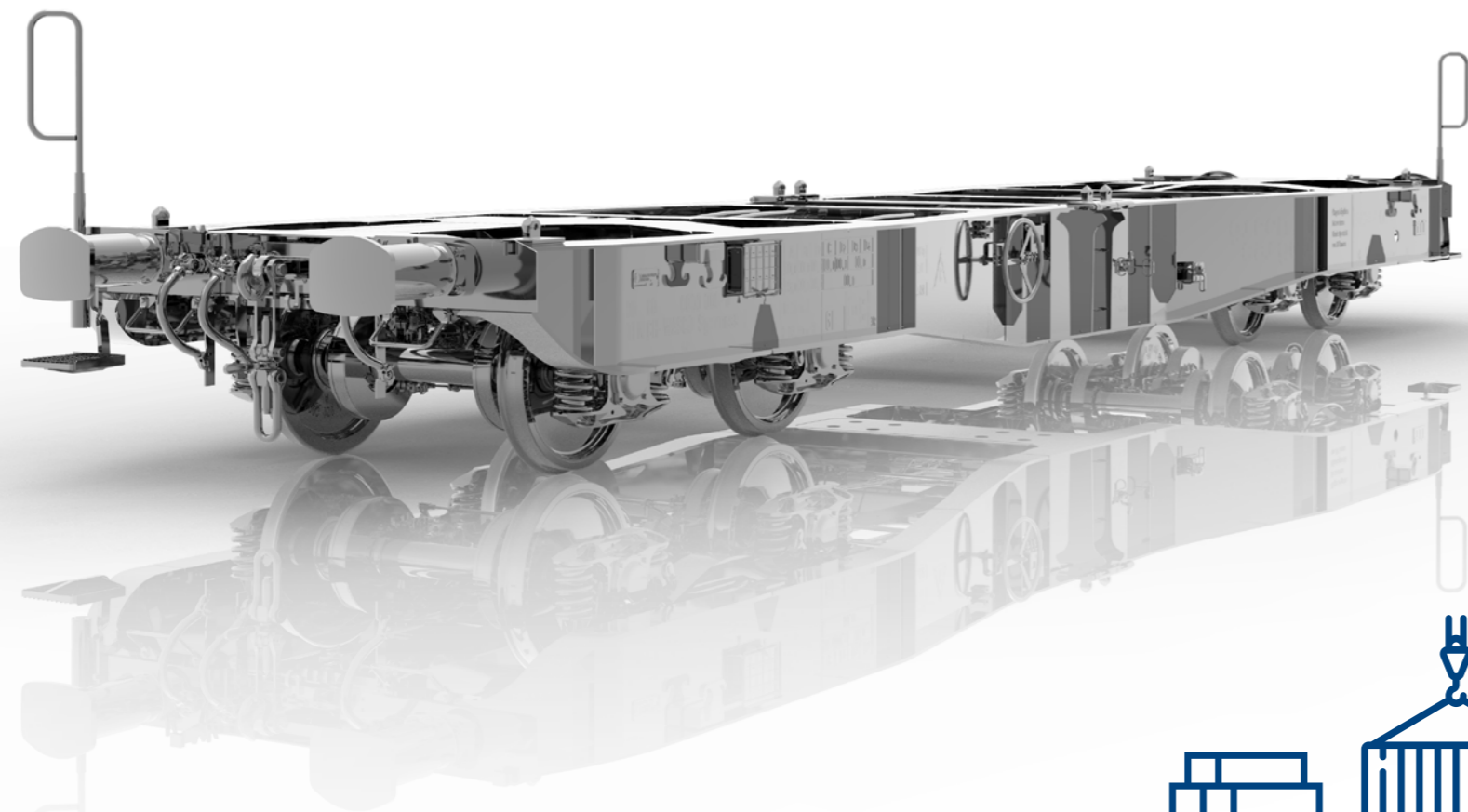


### T3000e

A pocket wagon designed for transportation of all types of semi-trailers and swap bodies of containers under licence of Ferriere Cattaneo. A semi-trailer is fixed only by means of the king-pin, which has a patented system of protection. Safety operation of the wagon in the terminal enables adjustment of hitch height and installation of support plates for ISO containers from the wagon external side. Currently, the wagon is being modified to be DAC ready.

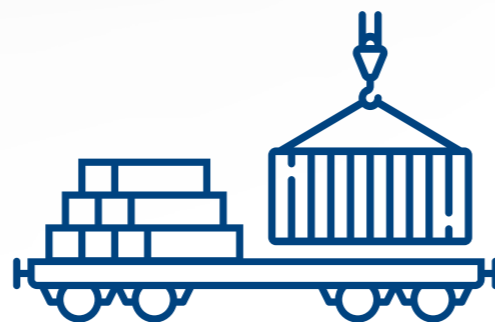


semi-trailer transportation

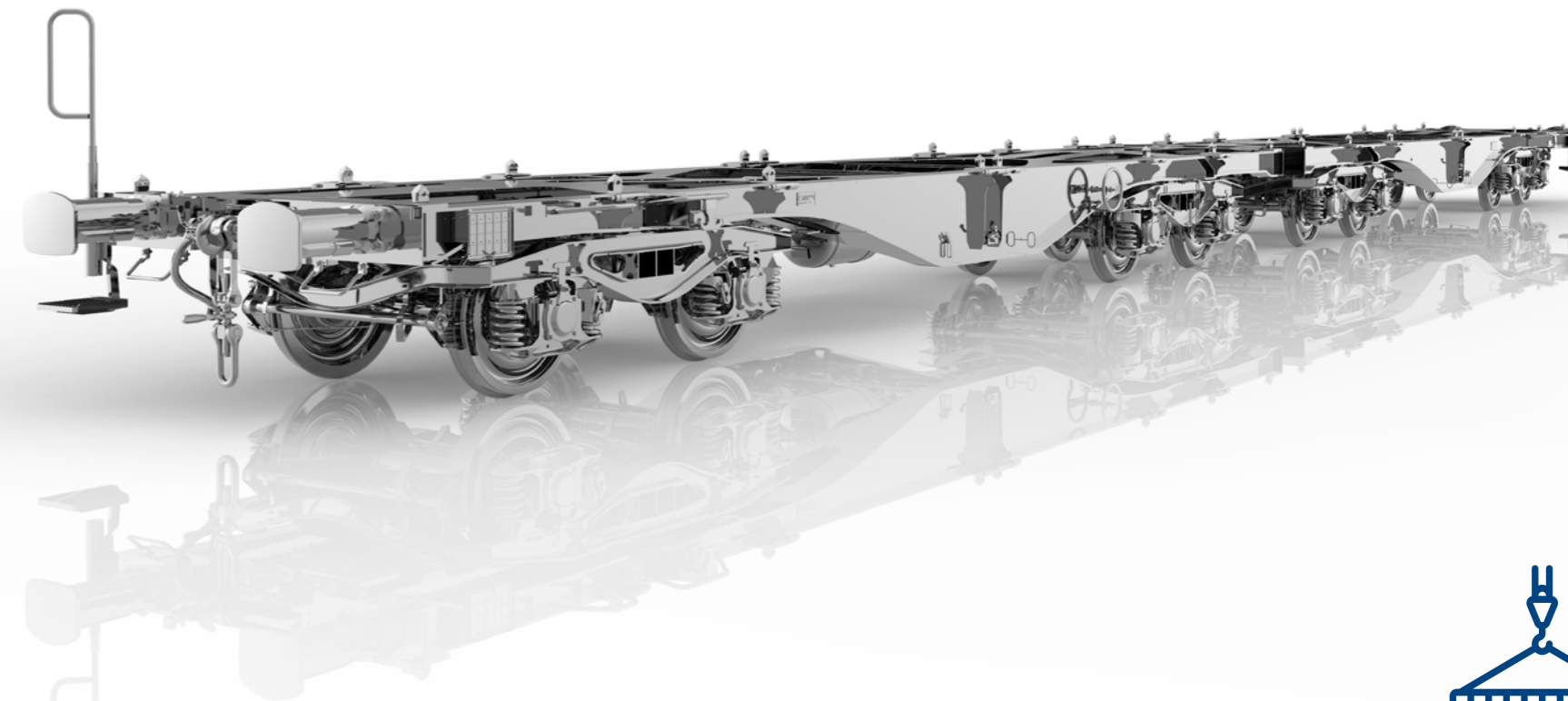


### Sgmmnss 41' DAC ready

4-axle wagon designed for transportation of loading frames intended for transportation of slabs. The wagon is suitable for transportation of: ISO containers of 20' and 40' length, heavy containers of 72.7 t weight and slabs.

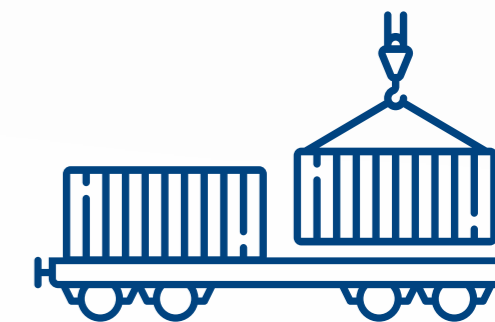


transport to loading frames designed for transportation of slabs

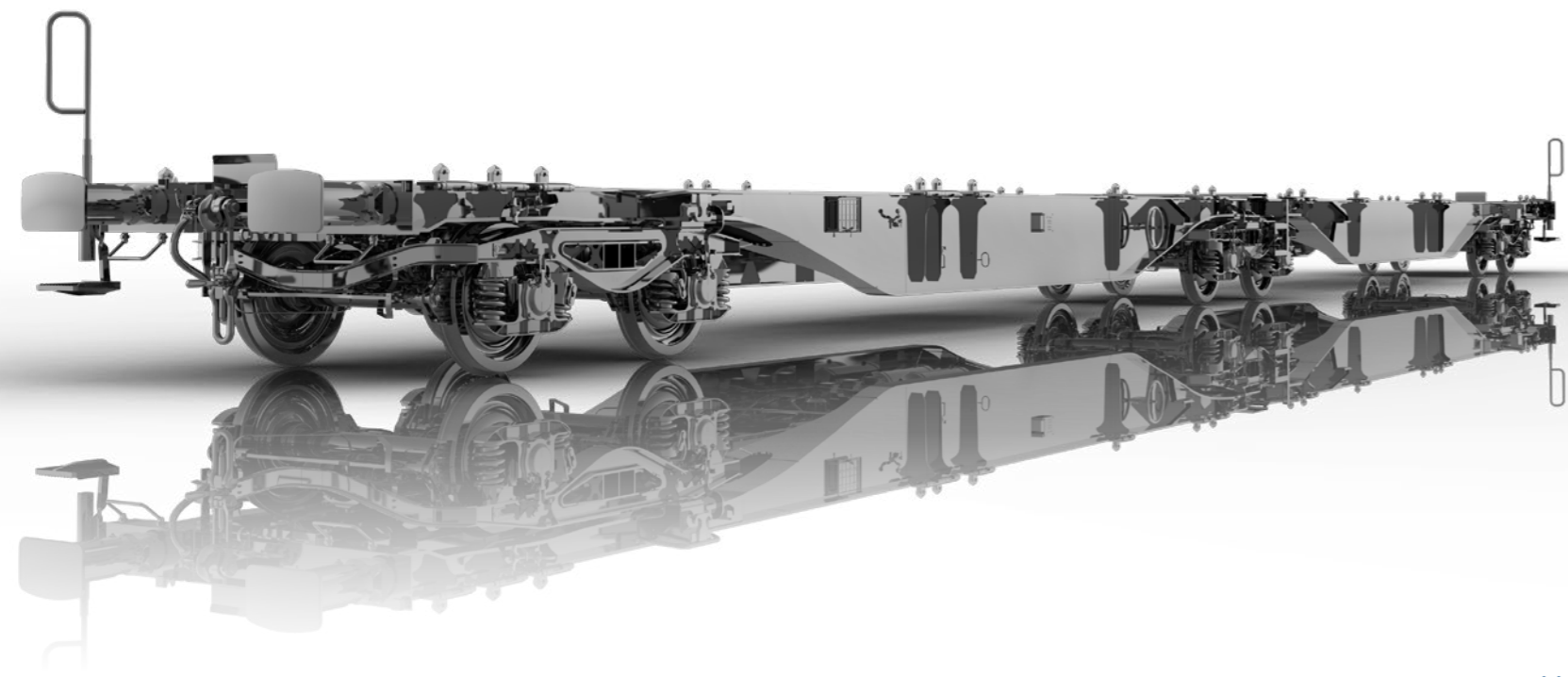


### Sgrrss 80' DAC ready

Two short-coupled 40' wagons enabling shortening of the wagon by 600 mm and thus increasing transportation effectiveness by creating a longer train set.

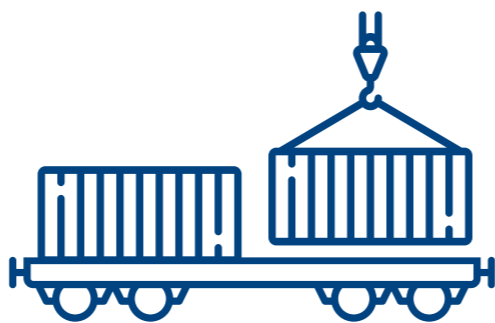


container transportation



## 60' 80' 90' DAC ready Container wagons for Spain

The wagons meet the specific requirements of TSI for operation of the wagons on the tracks with 1,668 mm track gauge. Changing for the track gauge is possible by means of simple replacement of the wheelsets with 1,435 mm track gauge.



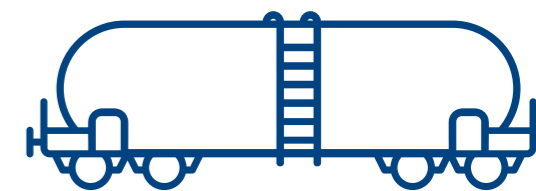
container transportation

## TANK WAGONS



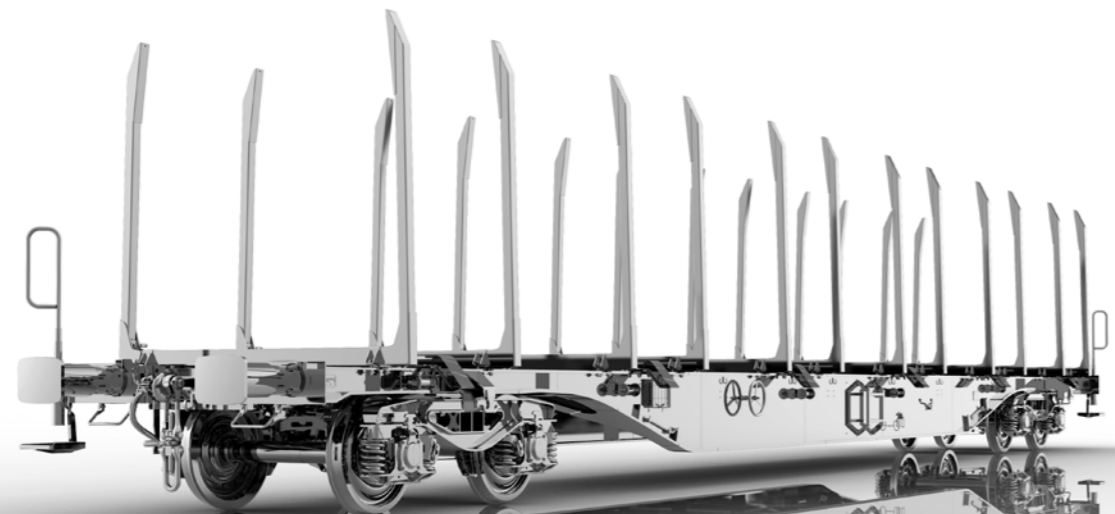
### Frame-less tank wagons **DAC** ready

Tare of tank wagons is a key aspect of decision making for each forwarder. Therefore, our company has developed a wide portfolio of frame-less tank wagons, which fundamentally increase effectiveness of each forwarder that owns them. A modern tank line can flexibly react upon customer's requirements and manufacture tanks made of different materials and of different execution while meeting the highest quality standards. Sheathing, heating, interior coating, welded stainless steel tank or 100% weld inspection is a standard for us.



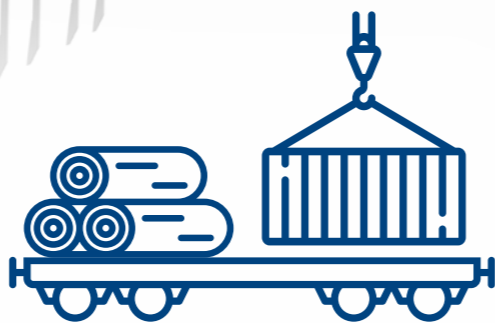
transportation of liquids and gases

## FLAT WAGONS

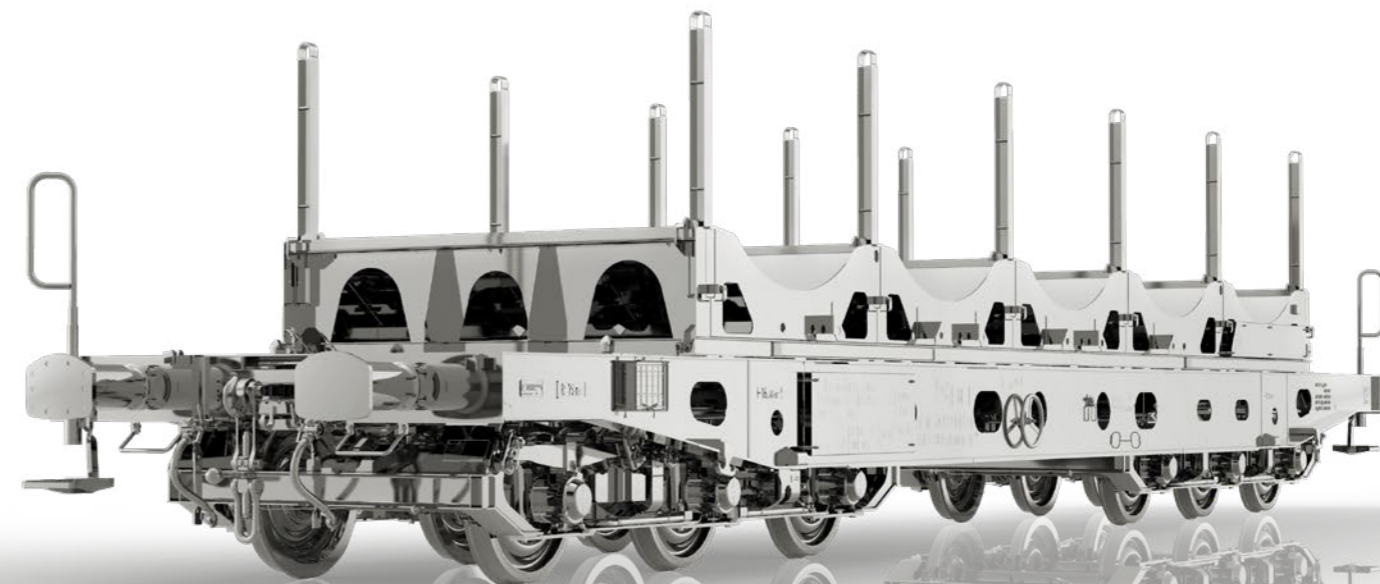


### Snps DAC ready

Not only a high versatility of the stanchion loading system, but also a possibility to modify the wagon to 60' container wagon, fundamentally increases effectiveness of cargo transportation. The overall wagon loading is 100 t and it belongs to DAC ready production of the company.

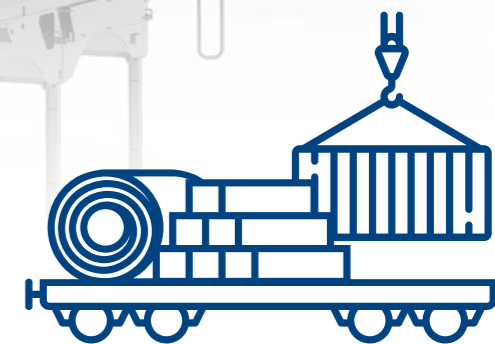


transportation of timber and containers

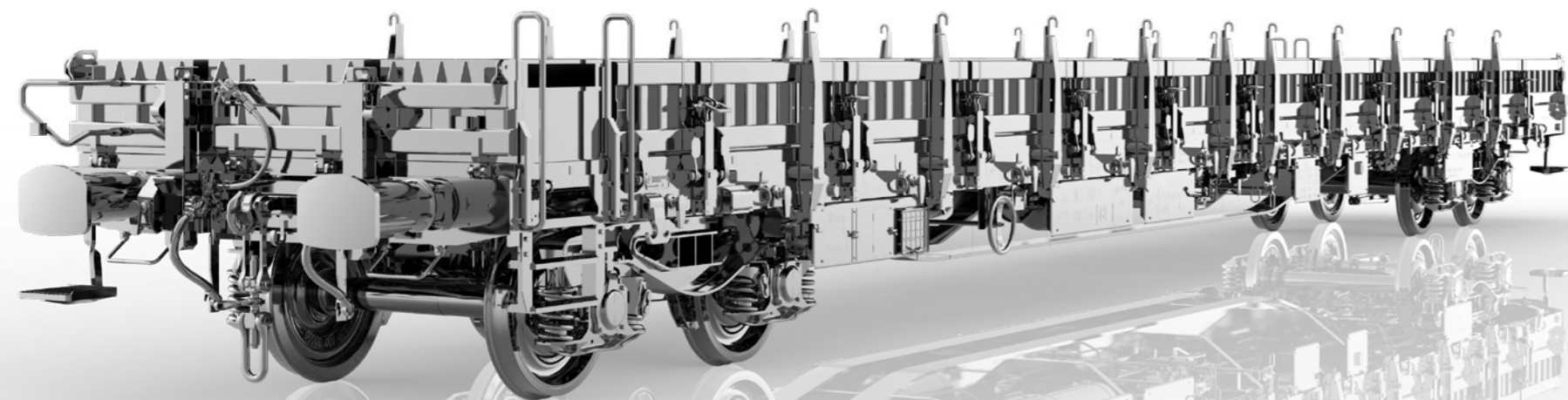


### Saghamns-ty BraCoil DAC ready

Design of this DAC ready wagon enables transportation of sheet coils and slabs by means of a detachable frame. When the frame is removed, the wagon can be easily modified to a wagon for transportation of 40' and 20' containers.

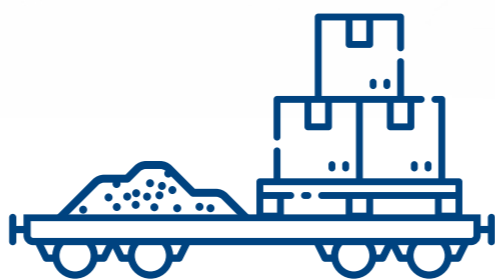


transportation of sheet coils, slabs and containers

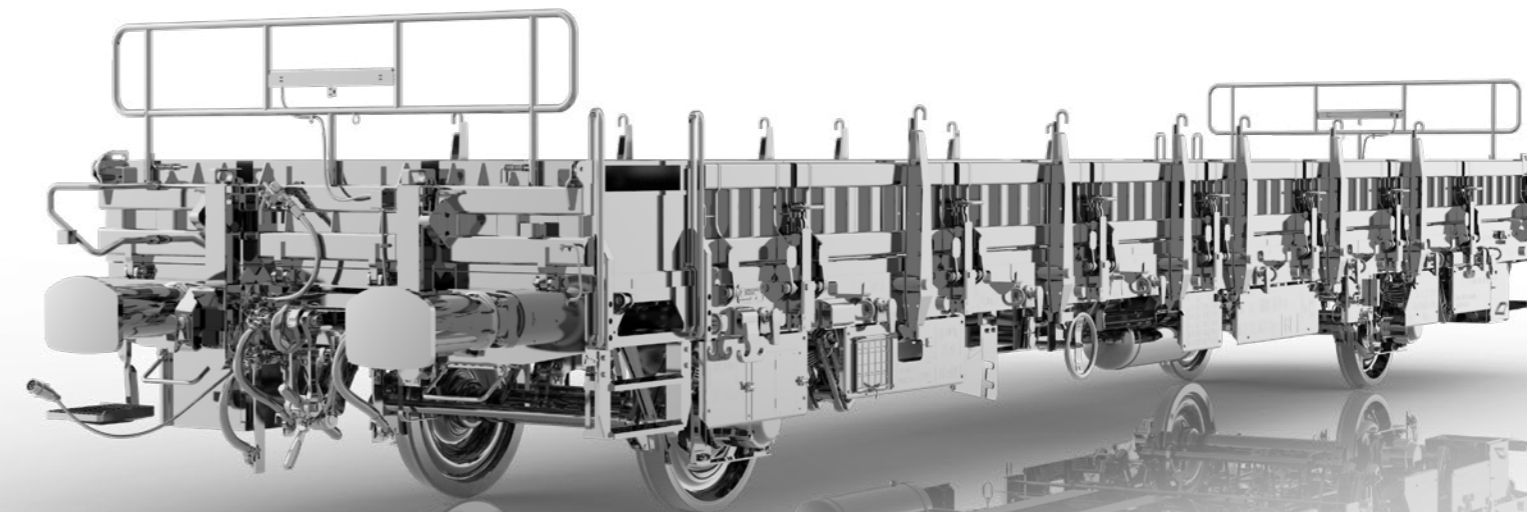


## Rens DAC ready

A practical assistant not only for infrastructure modification offers possibilities for transportation of loose materials, pallets, bulk materials, boxes, railway fields, concrete sleepers. Detachable elements for floor climbing, hinged front walls and side plates, rotary stanchions and other fastening elements create possibilities to adapt the wagon for the needs of repair works.

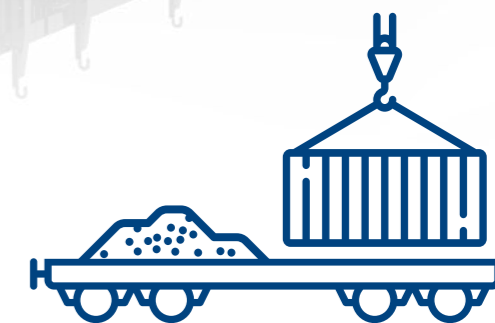


transportation of different materials



## Kgs DAC ready

A working wagon equipped with a running gear has an axle load of 22.5 t. It can transport loose materials, bulk materials in smaller amounts, 10', 20', 30' ISO containers, swap bodies, boxes and other cargo. It is equipped with hinged front and side plates, side stanchions, wooden floor, container pins and electric device, which enables connecting of electric working tools.



transportation of different materials

## DISCHARGING WAGONS



### Tagnpps DAC ready

Tightness and simple manipulation of the discharging plates and the roof create perfect conditions for transportation of goods sensitive to moisture. The roof controlled from the ground from both wagon sides protects valuable grain and other bulk materials. Extremely popular wagon of forwarders operating in the agro sector is manufactured in different volumes.



transportation of grain

[www.tatravagonka.com](http://www.tatravagonka.com)



### Uagnpps DAC ready

A special interior coating ensures safety of sugar transport in the highest food standard. With simple handling, you have full control over discharging of goods through 4 discharge openings. The company TATRAVAGÓNKA has experience with production of several versions of this wagon.



transportation of sugar

SINCE 1922





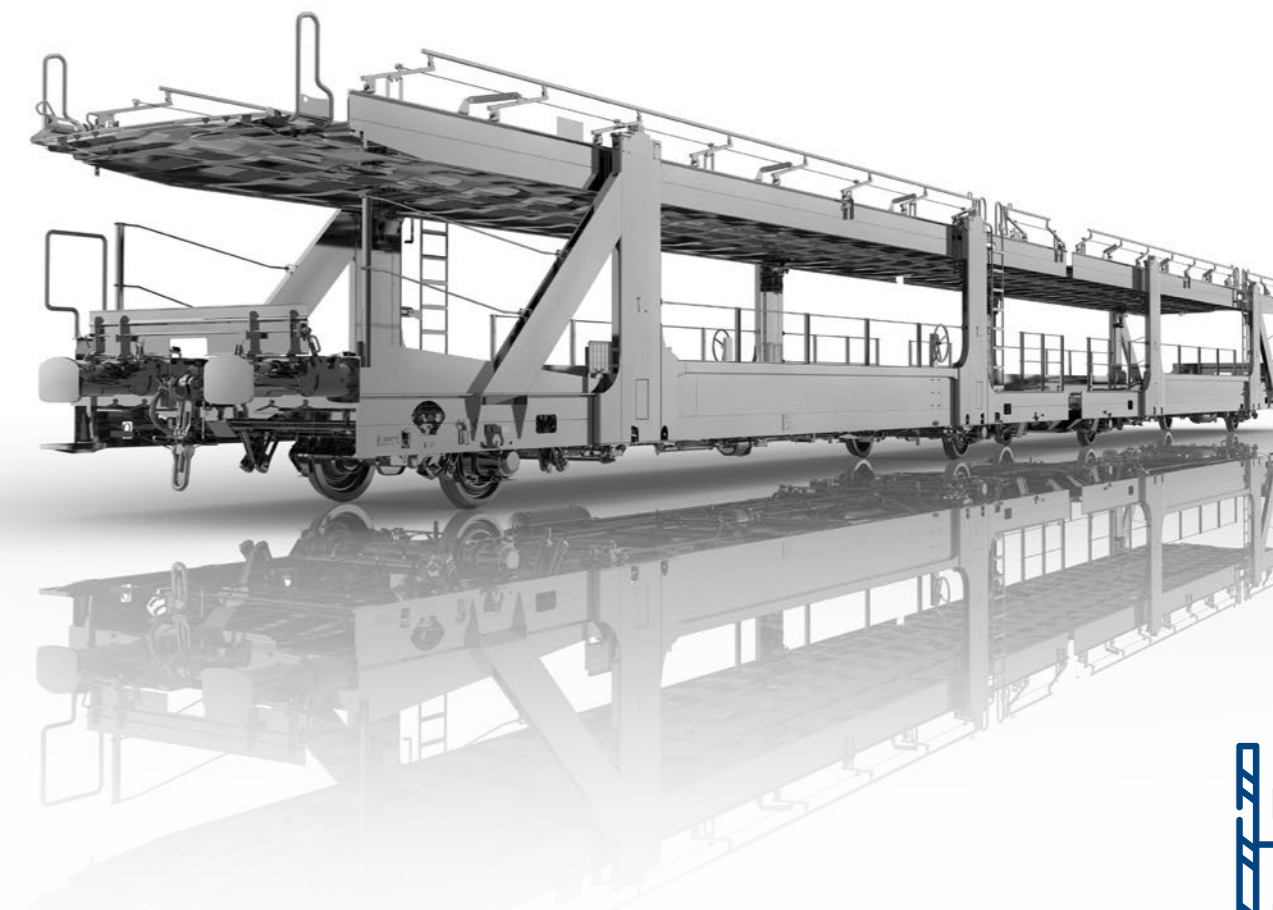
### Tadns DAC ready

Strong wagon designed for transportation of sand/gravel/lime is equipped with directional chutes, which enable wagon discharging next to the rails from one side or from both sides simultaneously. The roof can be opened to one side and it is controlled by a hand wheel from a transition platform.



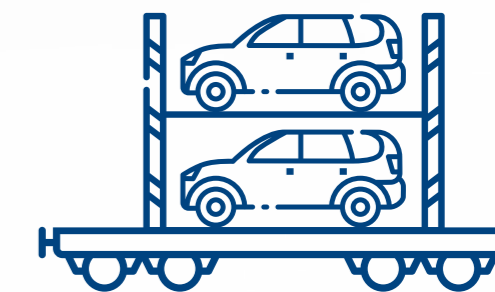
transportation of sand/gravel/lime

## CAR-CARRYING WAGONS



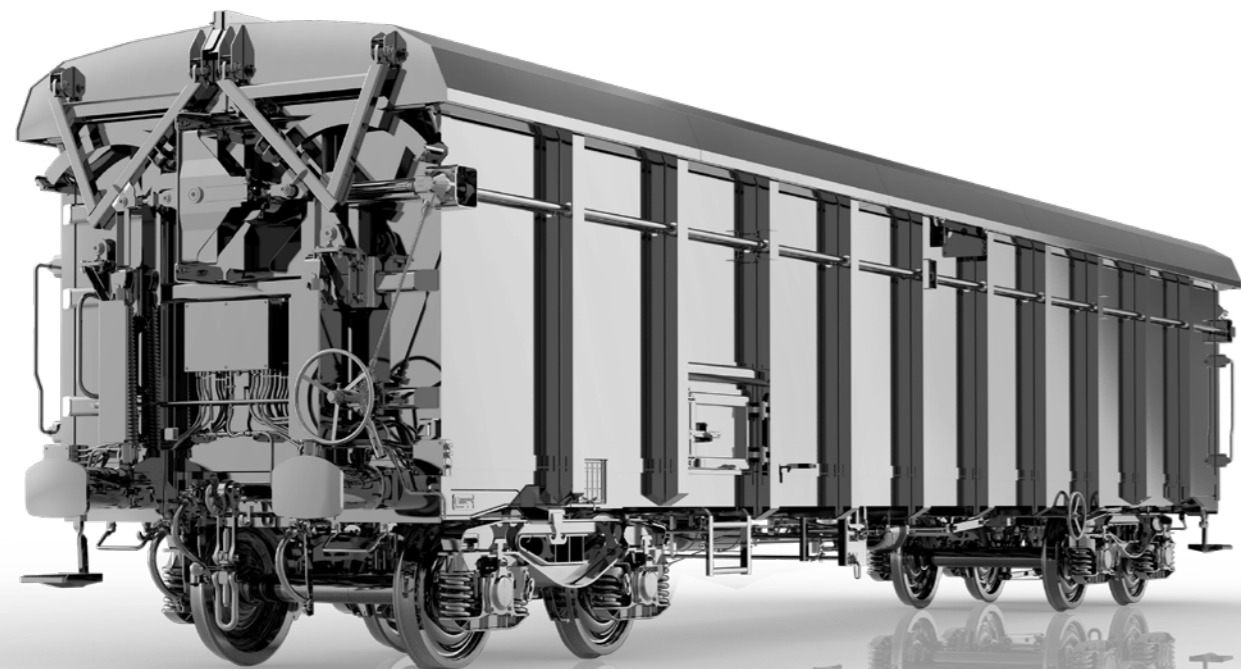
### Laaeffrs

Double-deck open wagon offers an expanded loading capacity in comparison to the existing wagons at the market. As the only wagon of its kind, it enables highly effective transportation of SUVs, passenger cars, small utility vehicles up to 2.8 t weight, and transportation of vans up to 3.5 t weight when only one deck is used.



transportation of cars

## HIGH-SIDED AND COVERED WAGONS



### Tammns

Pneumatically controlled two-part roof keeps REA gypsum in dry and safety. Specific weight of transported goods is 0.8 t/m<sup>3</sup>.



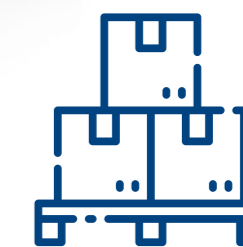
transportation of REA gypsum

[www.tatravagonka.com](http://www.tatravagonka.com)



### Habbii(II)ns - 7+ DAC ready

Due to relieved partition wall, increased safety of its suspension, simplified control, protection against harsh manipulation with the side wall, this wagon is ideal for transportation of palletized materials and cargo sensitive to weather conditions. The double labyrinth system increases tightness of this wagon with increased volume up to 2 m<sup>3</sup>.



transportation of palletized materials sensitive to weather conditions

SINCE 1922

## WAGONS FOR INFRASTRUCTURE MAINTENANCE



### Tanpps

It is used for transportation of aggressive bulk materials sensitive to moisture.



transportation of bulk materials

## OTHER WAGONS



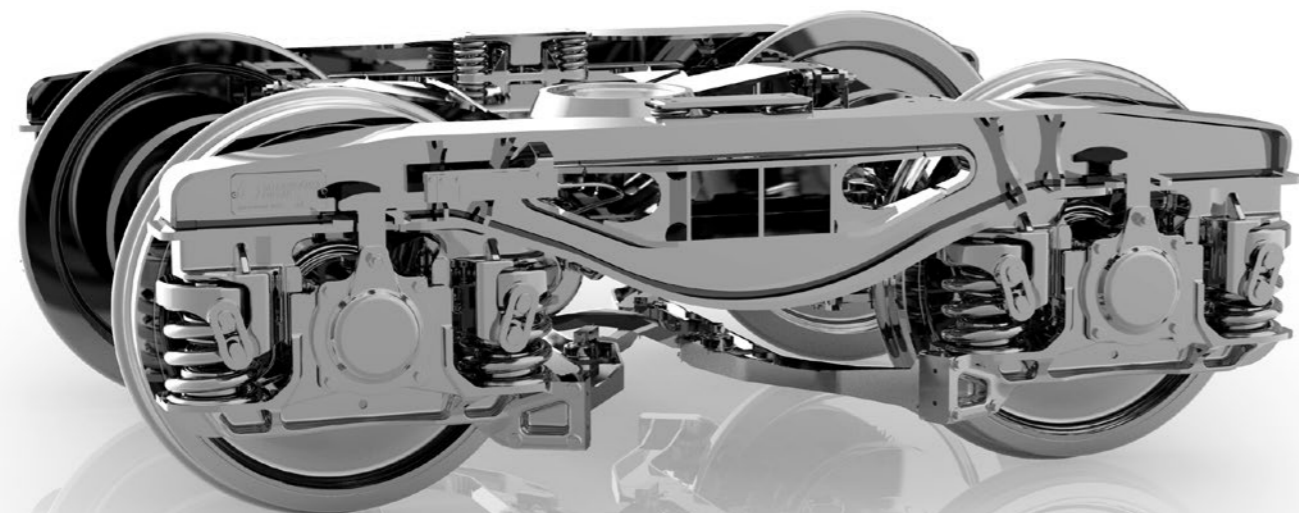
### FREIGHT SHUTTLES

Wagons for the trains Freight shuttles for transportation of trucks through the tunnel under the La Manche (English) Channel. Operational speed is up to 140 km/hour. One train set consists of: · 32 transportation wagons · 2 loading end wagons · 1 loading central wagon.



transportation of goods through La Manche (English Channel)

## BOGIES



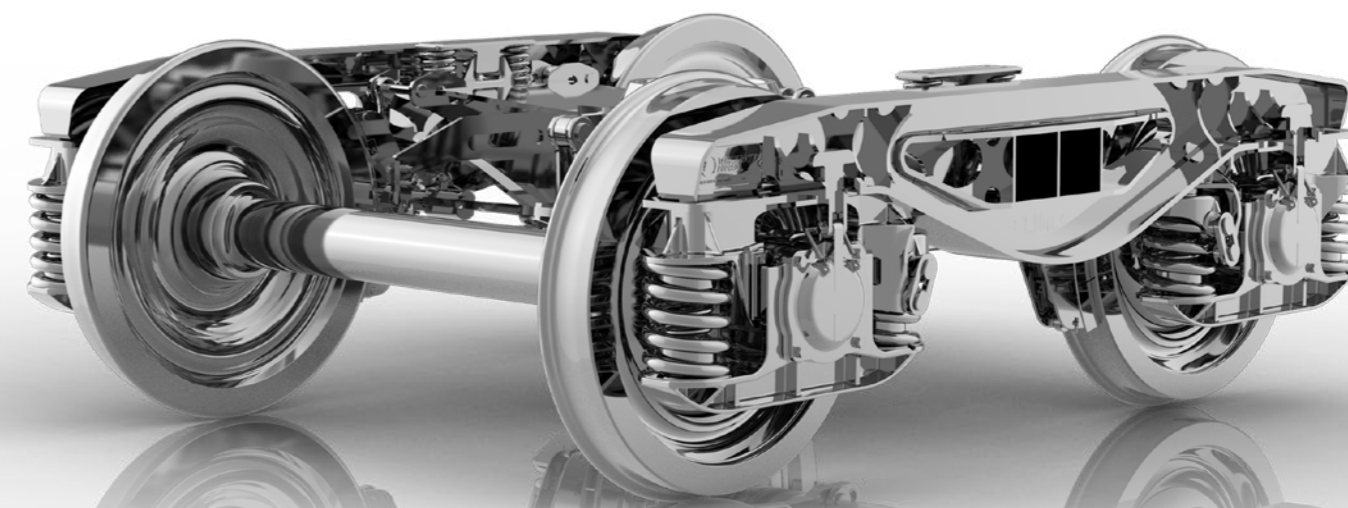
### TVP NG2 DBS (Y25Lsso(f)-D)

Headstock-free bogie for 25 t axle load. It is an own development with 100% interface with Y25. It is equipped with a disc brake. Radial adjustment of wheelsets during curve negotiation ranks this bogie among track friendly bogies.



2-axle bogie

[www.tatravagonka.com](http://www.tatravagonka.com)



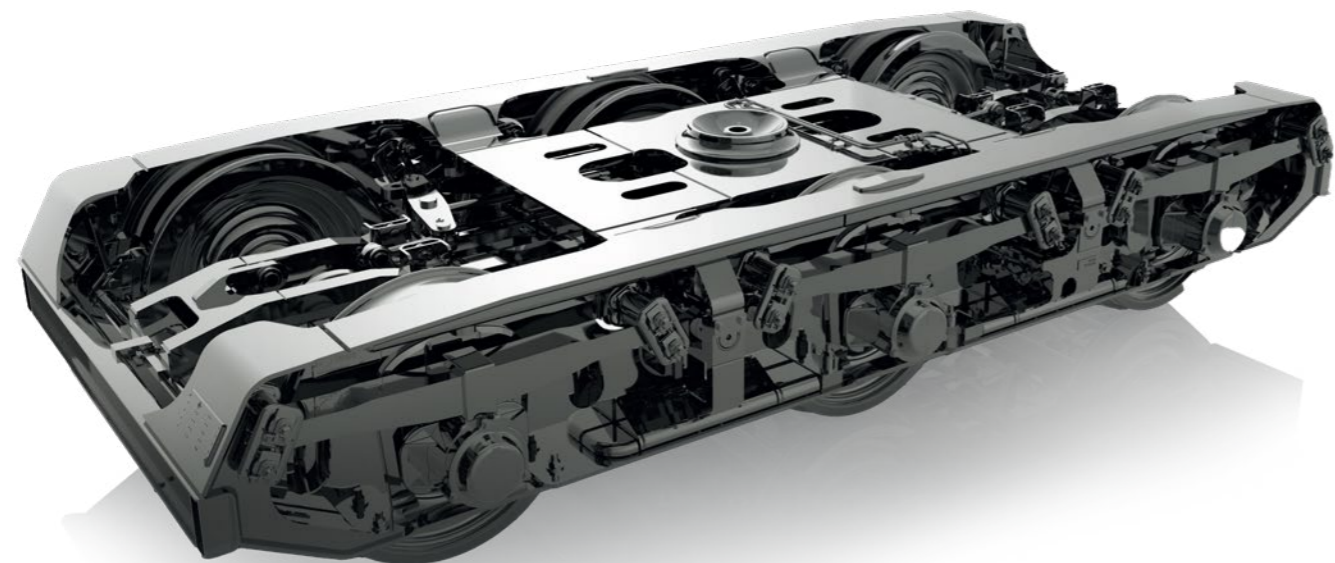
### Y25 for other track-gauges

The company manufactures the bogies for countries with 1,668 mm and 1,524 mm track gauges.



2-axle bogie

SINCE 1922



## 3-axle bogie

3-axle bogie with optimised strength and operational life of the construction. Currently, TATRAVAGÓNKA is the only manufacturer of 3-axle bogies in Europe.



3-axle bogie

[www.tatravagonka.com](http://www.tatravagonka.com)

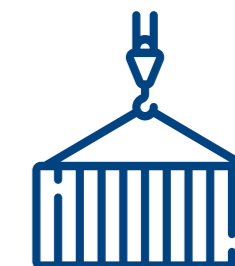
## NON-WAGON PRODUCTION



## Production of special containers

The company disposes of its own line of containers for wide range of application.

SINCE 1922



special containers

## STRENGTH OF THE FAMILY

### PRODUCTION OF FREIGHT RAILWAY WAGONS IN EUROPE



#### TATRAVAGÓNKA POPRAD, SLOVENSKIA

Production of freight railway wagons and bogies



#### TATRAVAGÓNKA TREBIŠOV, SLOVENSKIA

Production of freight railway wagons and bogies



#### ŽOS VRÚTKY, SLOVENSKIA

Production of freight railway wagons, modernisation and revitalisation of wagons for mass transport



#### PREVÁDZKAREŇ TLMAČE, SLOVENSKIA

Production capacities for new production and reconstruction of freight railway wagons



#### TATRAVAGONKA BRATSTVO, SERBIA

Production, repairs, reconstructions and revisions of freight wagons



#### TŽV GREDELJ, CROATIA

Production and repairs of freight and passenger railway wagons



#### ELH WBN, GERMANY

Production of freight railway wagons and bogies, including special types of bogies

### PRODUCTION OF FREIGHT RAILWAY WAGONS OUTSIDE EUROPE



#### JUPITER, INDIA

Production of railway wagons, passenger cars, wagon components and castings



#### TI WAGON FACTORY, TURKEY

Production and repairs of freight railway wagons

## STRENGTH OF THE FAMILY

### REPAIRS, REVISIONS AND RECONSTRUCTIONS OF FREIGHT RAILWAY WAGONS



#### ZNTK PATEREK, POLAND

Repairs, reconstructions and revisions of freight wagons



#### TATRAVAGONKA BRATSTVO, SERBIA

Production, repairs, reconstructions and revisions of freight wagons

### PRODUCTION OF COMPONENTS FOR RAILWAY TRANSPORT



#### TREVA PRAKOVCE, SLOVAKIA

Die forging, forgings with 0.6 – 120 kg weight



#### ZLH PLUS, SLOVAKIA

Manufacture of castings made of grey & modular cast iron



#### ZTS SABINOV, SLOVAKIA

Manufacture of gear boxes (front, cone, cone-front, thread, planetary)



#### WEP TRADING, SLOVAKIA

Welding, surface treatments, steel constructions



#### PREVÁDZKAREŇ ORLOV, SLOVAKIA

Production and installation of steel constructions, chip machining, surface treatments



#### ZASTROVA, SLOVAKIA

Production of subassemblies for Y25 bogies, welded components for rolling stock and trucks, steel constructions, metal containers

## STRENGTH OF THE FAMILY



### TATRAVAGONKA BRATSTVO, SERBIA

The company started its history back in 1886. The current company name Bratstvo (Brotherhood) bears a strong symbol of and reference to fellowship of people of different nationalities and ethnics in turbulent times of development of Balkan region. In 2011, TATRAVAGÓNKA Poprad, a.s. entered the company.

#### KEY FIGURES

- **Annual capacity of manufactured wagons:** 500 freight wagons
- **Number of employees:** 600 +
- **Turnover:** 55 mil. €
- **Area:** 17 ha (production halls 2,35 ha)
- **Certificates:** ISO 9001, DIN EN 15085-2, EN ISO 3834-2, EN ISO 14001, OSAS 18001, VPI 04, IS1, IS2, IS3 ai

#### PRODUCTION

- Production of freight railway wagons
- Repairs, reconstructions and revisions of f subassemblies for Y25 bogies, welded components for rolling stock and trucks, steel constructions, metal containersfreight railway wagons
- Production of steel constructions and spare parts for freight railway wagons
- Repairs of wheelsets, brake system and other wagon parts



### TŽV GREDELJ, CROATIA

With a new production area equipped with the most sophisticated technology and human potential, this company rank itself among the significant manufacturers of freight railway wagons.

#### KEY FIGURES

- **Annual capacity of manufactured wagons:** 400 freight wagons
- **Number of employees:** 400
- **Turnover:** 100 mil. €
- **Area:** 35,2 ha (production halls 8 ha)
- **Certificates:** ISO 9001, ISO 14001, ECM, ECM – Bescheinigung

#### PRODUCTION

- Production of freight railway wagons
- Repairs, reconstructions and revisions of f subassemblies for Y25 bogies, welded components for rolling stock and trucks, steel constructions, metal containersfreight railway wagons
- Production of steel constructions and spare parts for freight railway wagons
- Repairs of wheelsets, brake system and other wagon parts



### ELH WBN, GERMANY

Throughout the historical development of the company Waggonbau Niesky, the product portfolio changed from production of steam machines in 1836 up to production of rolling stock, which started in 1917 and it lasts up to these days. The company TATRAVAGÓNKA, a.s. Poprad entered WBN as an investor in 2019 when merging with the company ELH Halle took place.

#### KEY FIGURES

- **Annual capacity of manufactured wagons:** 1000 freight wagons
- **Number of employees:** 350 +
- **Turnover:** 140 mil. €
- **Area:** 22,5 ha (production halls 4 ha)
- **Certificates:** ISO 9001, ISO 14001, OHSAS 18001, DIN EN 15085-2, EN ISO 3834-2

#### PRODUCTION

- Production of freight railway wagons
- Production of steel welded constructions and spare parts for freight railway wagons
- Production of freight railway bogies and special bogies



### ZNTK PATEREK, POLAND

The history of today's company ZNTK Paterek started in 1975 after a production plant in Paterek near Bydgoszcz for production of steel constructions was established. After 20 years, the company successfully entered the market with repairs of freight railway wagons and their components. The company is active at this marker until today.

#### KEY FIGURES

- **Annual capacity of manufactured wagons:** 1200 freight wagons
- **Number of employees:** 355
- **Turnover:** 24 mil. €
- **Area:** 47 ha (production halls 2 ha)
- **Certificates:** ECM, ISO 9001, VPI, PN – EN 15085-2, professional capabilities for ZSSK Cargo, a. s., ČD Cargo, a. s., PKP Cargo S.A. and other clients

#### PRODUCTION

- Repairs, modernisations and revisions of freight railway wagons
- Production of spare parts for freight railway wagons
- Services within ECM (ZNTK is an authorised subject within maintenance of freight wagons, as well as subject responsible for management and administration of wagons for owners)





## ŽOS VRÚTKY, SLOVAKIA

Railway repair-shops and machining-shops in Vrútky write their successful history since 1874, when the company manufactured steam locomotives, passenger cars and freight wagons. Extensive modernisation of the company at the end of 80's pushed the company among the top repair-shops of rolling stock in Central Europe where it belongs until today. With rising interest, share of production of new freight railway wagons also rises.

### KEY FIGURES

- **Annual capacity:**
  - Production of freight wagons: 250
  - Light motorised units: 12
  - One passenger car: 12
  - Repairs of passenger cars: 85
  - Repairs of locomotives: 30
- **Number of employees:** 950 +
- **Turnover:** 74 mil. €
- **Area:** 21,3 ha (production halls 8,9 ha)
- **Certificates:** ISO 9001, EN ISO 14001, ISO/TS 22163, ISO 45001, IRIS ai

### PRODUCTION

- Production of freight railway wagons
- New production and repair of passenger cars and special railway wagons
- New production and repair of urban train units
- Repairs, reconstructions and revision of electric locomotives
- Repairs of electric machines and devices



## TATRAVAGÓNKA TLMAČE – Plant Tlmače, SLOVAKIA

Production capacities designated for new production and reconstructions of freight wagons. Current acquisition should strengthen production capacities of the company Tatravagónka in the second half of 2021.

### KEY FIGURES

- **Annual capacity of manufactured wagons:** 1 000 freight wagons
- **Number of employees:** 150
- **Area:** 56 ha
- **Certificates:** ISO 9001, Enviro – 14 001

### PRODUCTION

- Production of freight railway wagons
- Reconstructions of freight railway wagons



**JUPITER**  
ENGINEERING THE FUTURE

## JUPITER, INDIA

Jupiter Group ranks among premium manufacturers of freight wagons and passenger cars and their parts in India. Its 50-year experience at the market creates a guarantee of a stable partner in the field of production of freight wagons not only for Indian railways.

### PRODUCTION

- Production of freight wagons and their parts
- Production of passenger cars and their parts
- Production of parts for railway infrastructure for India and Europe

**TI** WAGON  
FACTORY

## TI WAGON FACTORY, TURKEY

Newly established company in 2016 as a joint-venture of companies Tatravagónka, a.s. Slovensko and Ilgaz, Turkey.

### PRODUCTION

- New production of freight and railways wagons and bogies
- Reconstructions and repairs of freight railway wagons



## TATRAVAGÓNKA TLMAČE, spol. s r. o., Plant ORLOV, SLOVAKIA

The company was established in 2002 with a focus upon production and assembly of steel constructions and halls. During historical development, the product portfolio has expanded by production of subassemblies for rolling stock.

### KEY FIGURES

- **Annual capacity of production:** cca 5 000 predstavkov ročne v piatich rôznych prevedeniach
- **Number of employees:** 300
- **Turnover:** 11 mil. €
- **Area:** 5 ha
- **Certificates:** EN ISO 9001, DIN EN ISO 3834-2, EN 1090-2, EN 15085-2 level CL1

### PRODUCTION

- Different subassemblies for rolling stock
- Steel constructions, halls
- Custom manufacturing according to specific requirements of the customers



## ZASTROVA, a. s., SPIŠSKÁ STARÁ VES, SLOVAKIA

Zastrova, a.s., has long-term experience in production of welded components for railway and road freight vehicles, steel constructions and metal containers. In 2020, after acquisition by the company Tatravagónka, a.s., the product portfolio of Zastrova was directed more to production of railway wagon and bogie parts.

### KEY FIGURES

- **Annual capacity of production:** more than 3,000 tonnes of welded parts for railway industry; almost 5,000 tonnes of welded parts for automotive industry
- **Number of employees:** 250
- **Turnover:** 17,5 mil. €
- **Area:** 5 ha
- **Certificates:** STN EN ISO 9001, DIN EN 15085-2, EN ISO 3834-2, AD 2000-Merkblatt HP 0/ EN 13445-4, CE 1353 a ČSN EN 286-3

### PRODUCTION

- Frames of headstock-free bogies
- Wagon parts – transverse beams, headstocks, overhangs, floor plates, hinged handles, compensators, transition footbridges, frames of mechanisms
- Pressure vessels for brake systems
- Modular suspension frames, production of the individual modules



### TREVA, s. r. o., PRAKOVCE, SLOVAKIA

The company TREVA, s.r.o. is an European supplier of forgings, which stands on 300-year tradition of forging in the region. Highly qualified and experienced personnel of the company is capable to solve demanding individual requirements to full satisfaction of the customers.

#### KEY FIGURES

- **Annual capacity of production:** 5 000 t tonnes of forgings made of standard structural steel to high-alloy steel
- **Number of employees:** 125
- **Turnover:** 11 mil. €
- **Area:** 1,9 ha
- **Certificates:** ISO 9001 Enviro – 14 001

#### PRODUCTION

- Die forgings with weight of 0.5 – 150 kg.



### ZLH PLUS, a. s., SLOVAKIA

The company ZLH PLUS, a.s. is a prominent European manufacturer of castings made of modular iron. Unique preparation of liquid metal in a cupola furnace guarantees high qualitative level of production even for castings with complicated shape.

#### KEY FIGURES

- **Annual capacity of production:** 1100 t/month, 12 100 t/year
- **Number of employees:** 300
- **Turnover:** 24,5 mil. €
- **Area:** 7,7 ha
- **Certificates:** EN ISO 9001, EN ISO 14001, DIN EN 15085-2 level CL1, ČSN EN ISO 3834-2

#### PRODUCTION

- Axle boxes for freight railway wagons
- Gear-cases for various industrial gear boxes and gear boxes of high-speed trains
- Carriers, hydraulic lids, axle parts for production of agricultural technology and tractors



## ZTS SABINOV, a.s., SLOVAKIA

The company ZTS Sabinov developed to a respected supplier of gear boxes for all fields of industry in many world countries.

### KEY FIGURES

- **Number of employees:** 170
- **Turnover:** 10 mil. €
- **Area:** 5 ha
- **Certificates:** ISO 9001 Enviro – 14001

### PRODUCTION

- Standard and non-standard gear boxes for different fields of industry
- Small, medium and large series of different types of gear boxes from 10 kg to 5 tonnes



## WEP TRADING, a.s., SLOVAKIA

The company WEP TRADING, a.s. has been writing its history since 1997, and today it belongs among the most significant Slovak manufacturers of axle boxes and axle guide stays designed for rolling stock.

### KEY FIGURES

- **Annual capacity of production:** 50 thousand axle boxes and 52 thousand axle guide stays
- **Number of employees:** 100
- **Turnover:** 20 mil. €
- **Area:** 41,3 ha
- **Certificates:** ISO 9001, EBN 918 058, EN 15085-2 level CL1, WG G4: GJS DIN EN 1563, WG G5: GJL DIN EN 1561, Production of castings made of steel cast-iron, modular and grey iron for ŽKV ZSSK CARGO CARGO

### PRODUCTION

- Axle boxes and axle guide stays for rolling stock
- Chip machining of castings
- Welding of rolling stock subassemblies
- Chip machining and welding

# TO BE **THE FIRST** CHOICE





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