Škoda Transportation

Škoda Transportation is one of the leading European companies in the field of transport engineering. Sales range of the company is around EUR 700 million every year. Over the last three years Škoda Transportation has invested over EUR 130 million in research and development. For as long as several years, the company employs nearly five thousand people, with roughly 750 of them as technical team members.

Companies of the Škoda Transportation

škoda transportation a.s.
škoda electric a.s.
škoda vagonka a.s.
škoda city service s.r.o.
škoda tvc s.r.o.
łókel s.r.o.
MOVO spol. s r.o.
PARS NOVA a.s.
POLL s.r.o.
škoda transportation deutschland gmbh
ganz – škoda electric zrt.
trading rs sp. z o.o.
sibeletroprivod
DURING ITS MODERN HISTORY, ŠKODA TRANSPORTATION HAS SUPPLIED ITS PRODUCTS TO MORE THAN 50 COUNTRIES AROUND THE WORLD.
Locomotive Emil Zátopek

State of the art multi-system locomotive with a TSI High Speed RST certificate.

Continuous power: 6,400 kW
Max. speed: 200 km/h
Electrification systems: 3 kV DC, 25 kV 50 Hz, 15 kV 16.7 Hz
Locomotive Emil Zátopek Slovakia
Modern technologies which guarantee the energy efficiency of the locomotive.

WE SHAPE THE FUTURE OF TRANSPORT

Continuous power: 6,400 kW
Max. speed: 160 km/h
Electrification systems: 3 kV DC, 25 kV 50 Hz, 15 kV 16.7 Hz
Locomotive Emil Zátopek Germany

Cutting edge systems even for the most demanding customers.

Continuous power: 6,400 kW
Max. speed: 200 km/h
Electrification systems: 15 kV 16.7 Hz
A completely new generation of fast vehicles which offer passengers comfort and safety.

**Single-Deck Electric Unit RegioPanter**

A completely new generation of fast vehicles which offer passengers comfort and safety.

- **Max. speed:** 160 km/h
- **Gauge:** 1,435 mm
- **Number of seats:** 150–240
- **Trolley wire voltage:** 3 kV DC or 3 kV + 25 kV 50 Hz

**COMFORTABLE TRAVELING**
Double-Deck Electric Unit Ukraine
Developed and produced in extremely short time.

Max. speed: 160 km/h
Gauge: 1,520 mm
Number of seats: 536
Trolley wire voltage: 3 kV DC, 25 kV 50 Hz
Double-Deck Electric Unit Slovakia

Getting on and off this modern two-system train is really quick and easy.

Max. speed: 160 km/h
Gauge: 1,435 mm
Number of seats: 307
Trolley wire voltage: 3 kV DC, 25 kV 50 Hz

HIGH EFFICIENCY
Double-Deck Electric Unit Lithuania

QUALITY AND COMFORT

A spacious interior provides comfort for passengers.

Max. speed: 160 km/h
Gauge: 1,520 mm
Number of seats: 304
Trolley wire voltage: 25 kV 50 Hz
Technical solutions which meet the high requirements of safe and modern transport.

Double-Deck Electric Unit CityElefant

SAFETY FOR PASSENGERS

Max. speed: 140 km/h
Gauge: 1,435 mm
Number of seats: 310
Trolley wire voltage: 3 kV DC
Push-Pull Train Germany
A high-speed, new generation six-car train with an emphasis on safety and comfort.

Max. speed: 189 km/h
Gauge: 1,435 mm
Number of seats: 676
Air-conditioning
Wi-Fi
Push-Pull Train Slovakia

Proven and tested environmentally-friendly technologies.

Max. speed: 160 km/h
Gauge: 1,435 mm
Number of seats: 362
Air-conditioning
Tramcar ForCity Plus Bratislava

Its cutting edge technology reduces the wear of tracks and wheels.

87% low-floor
Width: 2.45 m
Length: 32.5 m
Gauge: 1,000 mm
Number of passengers: 345
Bi-directional / uni-directional
Air-conditioned
Catenary-Free Tramcar ForCity Classic Konya

The tram uses a battery-powered drive, which allows for a movement independent of traction wires.
Tramcar ForCity Classic Konya

The modern design reflects the character of the city.

UNIQUE DESIGN

100% low-floor
Width: 2.55 m
Length: 32.5 m
Gauge: 1,435 mm
Number of passengers: 364
Bi-directional / air-conditioned
BARRIER-FREE TRANSPORT

**Tramcar ForCity Classic Miskolc**

This fully low-floor spacious tram will be appreciated by both people with reduced mobility as well as mothers with prams and children.

- **100% low-floor**
- **Width:** 2.65 m
- **Length:** 32.1 m
- **Gauge:** 1,435 mm
- **Number of passengers:** 384
- **Bi-directional / air-conditioned**
Can cope with the most demanding city routes while maintaining a high level of comfort for passengers.

**SMART SOLUTIONS**

**Tramcar ForCity Alfa Prague**

Can cope with the most demanding city routes while maintaining a high level of comfort for passengers.

- 100% low-floor
- Width: 2.46 m
- Length: 31.4 m
- Gauge: 1,435 mm
- Number of passengers: 300
- Uni-directional / air-conditioned
NATURE FRIENDLY

Tramcar ForCity Alfa Riga

It is not a burden for the environment of large cities.

100% low-floor
Width: 2.50 m
Length: 31.4 m
Gauge: 1,524 mm
Number of passengers: 318
Uni-directional / air-conditioned
COMFORT FOR CITIES

Tramcar Elektra Wroclaw

The smooth and silent ride of the tramcar guarantees comfortable transportation.

65% low-floor
Width: 2.46 m
Length: 30.2 m
Gauge: 1,435 mm
Number of passengers: 252
Bi-directional / uni-directional
Air-conditioned

The smooth and silent ride of the tramcar guarantees comfortable transportation.
Tramcar Elektra Prague

SAFETY IS A PRIORITY

Proven technologies which protect the health of passengers.

50% low-floor
Width: 2.46 m
Length: 30.2 m
Gauge: 1,435 mm
Number of passengers: 278
Uni-directional
The latest metro trainsets designed according to the requirements of the Russian market.

**MODERN AND RELIABLE**

**Metro NeVa St.Petersburg**

The latest metro trainsets designed according to the requirements of the Russian market.

- IGBT traction systems
- Asynchronous motors
- Comfortable interior
- Modern control system
Modernized Locomotive

It is designed for the heaviest loads while consuming much less energy.

Continuous power: 3,700 kW
Max. speed: 120 km/h
Electrification systems: 3 kV DC, 25 kV 50 Hz
WE EXTEND THE SERVICE LIFE

Modernized Metro Prague

Through modernization, we extend the service life of vehicles which then meet all the highest safety standards.

- New IGBT traction motor with recuperation
- Modernized bogie
- New interior
- Modern control system
Modernized vehicles contribute to high-quality transportation on every route.

Motor Unit Regionova

Low-floor boarding: 570 mm
New diesel motor: 242 kW
Comfortable interior
Trolleybuses

Vehicles with environmentally-friendly operation contribute to the sustainable development of modern cities.

Max. speed: 65 km/h
100% low-floor
Number of passengers: max. 170
Asynchronous traction motors
Trolleybus Bologna

Modern electric equipment for every vehicle.

Max. speed: 70 km/h
Number of passengers: max. 140
Diesel generator for operation outside of a trolley wire: 100 kW EURO 6

FLEXIBILE SOLUTION
Electric Bus Škoda Perun HP

Fast recharging takes place in just a few minutes.

Max. speed: 80 km/h
Number of passengers: 82
Range: 30 km
Charging time: 6-8 min.
Electric motor power: 160 kW
Electric Bus Škoda Perun HE

An emission-free vehicle which represents the future of municipal transport.

Max. speed: 80 km/h
Number of passengers: 82
Range: 150 km
Charging time: 2–4 hrs.
Electric motor power: 160 kW
Hybrid Bus Škoda

Unique technology aimed at ecology.

Max. speed: 70 km/h
Number of passengers: 60
Emission-free driving range: 10 km
Electric motor power: 160 kW / Diesel generator power: 184 kW
Traction Drives

Efficient and ecological drives boast superior quality and reliability.

SMART SYSTEMS

IGBT traction and auxiliary converters
Air / water cooling
Processor control
We supply components to the most demanding global producers. High-performance and efficient motors also suitable for mining vehicles and railway vehicles.

**Traction Motors**

We supply components to the most demanding global producers. High-performance and efficient motors also suitable for mining vehicles and railway vehicles.

Asynchronous traction motors with air and water cooling
Synchronous traction motors with water cooling
WE GUARANTEE MAXIMUM EFFICIENCY

Service
24/7 comprehensive high-quality service.
Corporate Social Responsibility

IMPACT ON THE ENVIRONMENT
Škoda Transportation uses the latest technologies in its production of railway vehicles. In accordance with requirements for sustainable development, the company designs environmentally-friendly means of transport for the third millennium. All modern ecological vehicles from Škoda Transportation meet the latest safety standards.

SUPPORT OF RESEARCH, DEVELOPMENT AND INNOVATIONS
Škoda Transportation cooperates on research projects with university students and academics. For example programmes in which students work together with Škoda Transportation professionals on specific projects has proved to be very successful. Every year the company achieves new solutions in the form of patents. Škoda Transportation has also co-organized the prestigious Emil Škoda Award for many years.

COMMUNITY CARE
The company is a long-term general partner of the hockey club HC Škoda Plzeň which won the first league title in 2013. Apart from top athletes, Škoda Transportation also supports two large public centres with a range of sport grounds where people can enjoy their free time. Last but not least, the company also regularly contributes to help people in need.

EMPLOYEE CARE
Apart from modern facilities, stability and a wide range of benefits, the employees of Škoda Transportation also have many options for how to work on their personal development. Thanks to the results of this support and the innovative approach to the solution of problems and new projects, Škoda Transportation is able to compete on a global level even against the strongest players on the market.
Revitalization of the Škoda Premises

The grounds in Plzeň have undergone extensive revitalization since 2004 with the aim of bringing back to life the traditional industrial area of the city. In recent years, Škoda Transportation has built three new production halls and a centre for research and development. The revitalization of the Škoda premises also includes a modern depot. A part of the premises is also currently being used by the University of West Bohemia.

TECHMANIA

Together with the University of West Bohemia in Plzeň, Škoda Transportation established the Science Centre Techmania. Its aim is to revive the declining interest of young people in the world of science and technology. It also includes a unique 3D planetarium fitted with high-tech equipment for large 3D projections on a spherical surface.
History of Škoda Transportation

Škoda Transportation has a more than one hundred and fifty year long history during which the company produced several tens of thousands of vehicles for railway and municipal public transport.

1859  The company was founded in Plzeň by count Wallenstein – Vartenberk.
1869  The factory was bought by Emil Škoda.
1920  Škoda launched the production of steam locomotives.
1927  Škoda successfully developed the modern electric locomotives.
1936  The first trolleybus left the gates of the Škoda factory.
1953  The first track locomotive for the 3 kV DC system.
1961  The first locomotive for the single-phase 25 kV 50 Hz system.
1997  Škoda launched the production of trams.
1997  Production of the double-deck electric units CityElefant was launched.
2000  Serial modernizations of the metro for the city of Prague were launched.
2001  Škoda trams were successfully exported to US cities of Tacoma and Portland.
2005  The first motor car was delivered to Finland.
2005  The tramcar Elektra carried its first passengers in Prague.
2006  The tramcars Elektra from the Škoda factory started operating in the streets of the Italian city of Cagliari.
2008  Electric units were delivered to Lithuania.
2008  Škoda manufactured the first fully low-floor tramcar ForCity Alfa.
2008  The company introduced its new three-system locomotive Emil Zátopek.
2010  Electric units were delivered to Slovakia.
2011  Škoda introduced a completely new type of a single-deck regional train RegioPanter.
2011  The delivery of the first low-floor trolleybuses 30 Tr and 31 Tr.
2012  Electric units were delivered to the Ukraine.
2012  The first hybrid bus Škoda H12 was made.
2012  The new metro Neva for the city of St. Petersburg was introduced.
2013  The tramcar ForCity Classis was introduced in the Hungarian city of Miskolc.
2013  The electric bus Škoda Perun was developed and produced.
2014  The modern tramcar ForCity Classic began its operation in the Turkish city of Konya.
2014  The new transport depot in Plzeň was opened.