

# BOMBARDIER

## SITE FACT SHEET

### Wrocław, POLAND

#### Basic Information

Total area: 192,620 m<sup>2</sup>

The Bombardier Transportation Polska Sp. z o.o. site in Wrocław continues the tradition of Fabryka Wagonów Pafawag (Train Car Factory Pafawag). Production at this facility started in the 1830s and this factory belongs to the group of the oldest manufacturers of railway rolling stock in Europe. This site produces carbodies for all Bombardier Transportation locomotives of the *TRAXX*\* family, as well as locomotives of other series, e.g. E464 for Italy or IORE for Sweden. As part of specialisation within the company, the Wrocław site also manufactures subcomponents for other railway vehicles produced by Bombardier Transportation (bogie frames for high speed trains, regional train units, trams and metro cars, locomotives). The site also features a Welding School and a Laboratory that conducts destructive and non-destructive testing.

#### Competencies

- Production of carbodies for all locomotives of the *TRAXX* family
- Production of carbodies for other locomotive series, e.g. E464 for Italy, IORE for Sweden, *ALP*\* 45 Dual Power, *ALP* 46 NJT for USA
- Production of bogie frames (for high speed trains, regional train units, trams and metro cars, locomotives)
- Mechanical working of frames
- Core competencies in the production of steel and stainless steel car bodies
- Main process stages in the production: production of components, painting, testing

#### Main Products and Contracts over the last 10 years

- 42 E405 locomotives and 8 EU43 locomotives for Italy
- Carbodies for *TRAXX* locomotives for European Operators
- Carbodies for DE 2000 (Greece) and *ALP* 46 (USA) locomotives
- Production of bogie frames for different kind of Bombardier Transportation rail vehicles
- E464 locomotive carbodies for Italy
- Locomotive carbodies for CBRail
- Carbodies for *TRAXX* MS locomotives for Angel Trains Cargo operated by PKP Cargo SA
- Carbodies for *TRAXX* MS locomotives operated by ITL Polska
- Carbodies for *TRAXX* MS locomotives for Railpool operated by LOTOS Kolej
- Carbodies for *TRAXX* DC locomotives for Pol-Mieź Trans

- Carbodies for *TRAXX* DC locomotives for Koleje Mazowieckie (Mazovia Railways)
- Carbodies for *TRAXX* DE locomotives for LOTOS Kolej
- Carbodies for *TRAXX* AC locomotives for Hungarian State Railways (MAV)

### **Historical Milestones**

- 1833 Plant established (Subsequent name - Factory of Machinery and Locomotives)
- 1945 Official opening of Fabryka Wagonów „Pafawag”, beginning of freight car production
- 1950 Set up of passenger coaches production
- 1953 First Polish electric locomotive produced and tested at Pafawag
- 1954 First Polish EMU produced at Pafawag
- 1960 Freight car No. 100,000 produced at Pafawag
- 2001 Acquisition by Bombardier Transportation
- 2007 Merger of Bombardier Transportation (Customer Support) Poland Ltd. in Łódź and Bombardier Transportation Poland Ltd in Wrocław
- 2007 First appearance of a multisystem *TRAXX* locomotive in Poland
- 2009 Contract for the delivery of *TRAXX* diesel locomotives for LOTOS Kolej and *TRAXX* electric locomotives for Pol-Miedź Trans
- 2010 Contract for the delivery of the first electric *TRAXX* P160DC passenger locomotives for Koleje Mazowieckie

### **Certifications/ Authorisations**

- Certified ISO 9001:2000 (Quality)
- Certified ISO 14001:1996 (Environmental Management System)
- Certified OHSAS 18001:1999 (Occupational Health & Safety Management)
- Certified DIN 6700 (welding)
- European Eco-Management and Audit Scheme (EMAS)
- All systems and equipment are certified for use in the Polish market and meet the European CENELEC standards
- Testing area for static and dynamic tests
- Current tests for 3 kV DC (15 kV AC – in plans)

**Address**

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<http://www.transportation.bombardier.com>

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