

BOMBARDIER

SITE FACT SHEET

Bautzen, GERMANY

Basic information

Total area: 300,974 m²

Bombardier Transportation has developed the Bautzen site into a center of expertise for trams and light rail vehicles. The site itself has been producing mainline and mass transit rail vehicles since 1896. As early as in the 1930s Dresden's legendary tram 'Großer Hecht' (big pickerel) was manufactured here. And now its current modern successor, the *BOMBARDIER* FLEXITY** trams, are being delivered to Dresden and other cities all over the world from Bautzen.

Competencies

- Center of expertise for manufacturing trams and light rail vehicles
- 800 m test track for dynamic testing
- 850 m test track for load testing

Main Products and Contracts over the last 10 years

- *FLEXITY** Classic trams for Dresden, Frankfurt/Main, Bremen, Dortmund and Leipzig (Germany), Adelaide (Australia), Krakow and Gdansk (Poland), Norrköping (Sweden), Bursa (Turkey)
- *FLEXITY2* trams for Blackpool (England)
- *FLEXITY* Outlook trams for Alicante/Valencia (Spain) and Krefeld (Germany)
- *FLEXITY* Swift light rail vehicles for Frankfurt/Main (Germany), RET Randstadrail (The Netherlands)
- Light rail vehicles for Ludwigshafen, Mannheim, Heidelberg (Germany), Nantes (France), Antwerp and Gent (Belgium), London Docklands (UK)
- Pre-assembly, car bodies and modules for Vienna, Linz and Innsbruck (Austria), Marseille (France) Zurich (Switzerland), Palermo (Italy), Augsburg (Germany), Porto (Portugal)

Historical Milestones

- 1846 Established as foundry and engineering company by Petzold and Centner and launch of production of horse and steam-driven railway vehicles
- 1897 Production of light rail vehicles for the German cities of Zittau, Dresden, Berlin, etc.

- 1907 First express train with a steel car body
- 1920 Production of passenger coaches, trams, electric multiple units, industrial locomotives for various international customers begins
- 1928 Low-floor trams for Berlin transport authority (Berliner Verkehrsgesellschaft BVG) and first electric multiple units for Berliner S-Bahn
- 1930s Trams and light rail vehicles for many German and international cities, amongst others the famous tram "Hecht" for the City of Dresden
- 1945 Relaunch of the development and production of rail vehicles
- 1946 since 1946 18,000 rail vehicles have been supplied, app. 7.300 of which are passenger coaches
- 1947 VEB Waggonbau Bautzen
- 1956 First double deck coach for Berlin
- 1957 First diesel motor unit for "Deutsche Reichsbahn"
- 1970 Development of passenger coach – standard design "type Y/B70"
- 1990 Integration into Deutsche Waggonbau AG (DWA)
Development of key competence in public transit with in-house development of trams and light rail vehicles
- 1995 Renamed: Deutsche Waggonbau AG (DWA) Werk Bautzen
- 1998 Integration into Bombardier Transportation
Production of regional commuter trains and S-Bahn vehicles
Trams and light rail vehicles made of steel and aluminium
- 2004 Site network for the development and production of trams and light rail vehicles is set up: Bautzen, Wien and Mannheim
- 2006 On the occasion of the 160th anniversary of the Bautzen site 18 projects are manufactured in parallel, opening of the 800 m test track
- 2008 Inauguration of the 850 m test track
- 2010 On 7 August the river Spree floods 60.000 m² of production and storage space. Production is gradually resumed by the end of September.

Certifications

- Quality management system, certified according to ISO EN ISO 9001:2008
- Occupational Health & Safety Management, certified according to BS OHSAS 18001:2007
- Environmental management system, certified according to DIN EN ISO 14001 and EMAS II
- International Railway Industry Standard (IRIS) certified

- Quality Requirements for Gluing, certified according to DIN 6701-2
- Quality Requirements for Welding, certified according to DIN EN 15085
- Quality Requirements for Fusion Welding, certified according to DIN EN ISO 3834-2

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