

BOMBARDIER

SITE FACT SHEET

Västerås, SWEDEN

Basic Information

Total area:	102,554 m ²
9 tracks:	total length 720 m

Bombardier has several units in Västerås, including the head office of Bombardier in Sweden. Several divisions are headquartered here. The units work on projects ranging from development to production management and delivery of complete vehicles, both for the Swedish market and for export, development and production of propulsion and control systems, service, maintenance and complete traffic systems.

Major projects in recent years include total solutions for metro and tram lines for two large cities in Turkey, development and construction of the Öresund and Regina trains and the development and production of a wide range of propulsion and control systems that have been sold to train integrators all over the world. Our service workshop undertakes the conversion of Rc2 locomotives to Rd2 specification.

Competencies

- Sales in Nordic Region and for export markets
- Project Management for Scandinavian and export projects
- Project and Systems Integration
- Engineering, including Center of Competencies as well as Lead for bids and projects
- Product Introduction including Product Documentation and Integrated Logistic Supply
- Quality Assurance
- Propulsion, High Voltage System, Auxiliary System and TCMS (train control and monitoring system)
- Bids on the local market and Bid Support to other units
- Fleet Maintenance
- Vehicle Refurbishment & Modernization
- Overhaul
- Crash Repair
- Testing
- Procurement

- Manufacturing of Propulsion systems

Main Products and Contracts over the last 10 years

- Mainline & Metros:
 - Oeresund trains för Sweden and Denmark
 - *REGINA** trains for Sweden
 - Regina Intercity train for SJ, Sweden
 - C20 metros for Stockholm
 - Bucharest BM21 metros for Bucharest, Romania
 - Itino regional trains for Sweden
- Light Rail Vehicles:
 - *FLEXITY** Swift light rail vehicle (A32) for Stockholm
 - *FLEXITY** Classic light rail vehicle (A34) for Stockholm
 - *FLEXITY** Classic light rail vehicle (M06) for Norrköping
- Propulsion systems for:
 - Metros: Subway lines in Guangzhou/Shenzen/Shanghai/ Harbin/Nanjing/Beijing and Union of Cities for China, Tehran (Iran), Delhi (India), Bangkok (Thailand), Bucharest (Romania), Rome (Italy), Madrid (Spain), London Underground (UK), Chicago (USA) & Toronto (Canada)
 - Regional & Commuter trains: *TALENT** 2 & BR 422 EMUs for Germany, SBB for Switzerland and GTW DMUs for Europe and US
 - Perth Mandurah, QR & Adelaide for Australia, AGC, NAT and PHD regional trains and *SPACIUM** commuter trains for France, *ELECTROSTAR** trains for UK, Jabotabek EMUs for Indonesia
 - Intercity and High Speed: *REGINA* & OTU trains to Denmark and Sweden, Gautrain for South Africa. High speed EMUs for China and Italy
 - LRVs: *FLEXITY* light rail vehicles in Sweden/Turkey/Holland

- Systems:
 - Light Metro System for Greater City of Izmir in Turkey comprising all E&M works, i e 45 articulated vehicles, power supply and catenary systems, signalling and safety system, communication & information systems, automatic fare collection system, and maintenance workshop equipment, as well as Civil and Track works in Consortium with 2 partners. Bombardier was Consortium leader with responsibility of technical co-ordination and overall project management. System in operation since 2000.
 - Tramway System for the City of Eskişehir in Turkey comprising all E&M works, i e 18 *FLEXITY** Outlook LRVs, power supply and catenary systems, signalling system, communication & information systems, and maintenance workshop equipment, as well as Civil and Track works in Consortium with 1 Turkish partner. Bombardier was Consortium leader with responsibility of technical co-ordination and overall project management. System in operation since 2004.
 - Delivery of 5 additional Flexity Outlook LRVs for the Eskisehir Tramway system.
 - Light Metro System for Greater City of Adana in Turkey comprising all E&M works, i e 36 articulated vehicles, power supply and catenary systems, signalling and safety system, communication & information systems, automatic fare collection system, and maintenance workshop equipment, as well as Civil and Track works in Consortium with 2 Turkish partners. Bombardier is Consortium leader with responsibility of technical co-ordination and overall project management. System in operation since 2010.
 - Operational lease of in total 6 *FLEXITY** Classic LRVs from Frankfurt (VGF) and Norrköping (NSAB) to Stockholm (SL).

- Services:
 - Regina SJB Light maintenance, SJ
 - Regina VL Light maintenance, EM
 - X2000 Tech upgrade, SJ
 - X10-X14 and Rc loc overhaul, ASJ
 - X11-X14 overhaul, SJ
 - Rc modernisation, Green Cargo
 - Rc loc overhaul, SJ
 - Night coaches, SJ
 - Testing of new Regina and Itino fleet
 - FMS SJ Uven Fleet, Regina and X12

- Fleet maintenance
- Spare parts
- Overhaul
- Crash repair
- Vehicle Refurbishment & Modernization
- Testing

Historical Milestones

- 1883 Foundation of ASEA
- 1891 Production of the company's first electric locomotive
- 1912 Production of the world's first diesel electric train
- 1953 The world's strongest locomotive for pulling 5000 tons of iron ore
- 1967 The world's first thyristor locomotive
- 1976 New facilities in Västerås for the assembly of locomotives
- 1979 International breakthrough for the ASEA technology of Amtrak locomotives for 200 km/h
- 1988 Merger between ASEA and Brown Boveri Cie to form ABB
- 1990 First delivery of Tilting High Speed Train X2000 in Sweden
- 1996 Merger between ABB Transportation and AEG Transportation to form ABB-Daimler Benz Transportation (Adtranz)
- 1998 First delivery of C20 Metros for Stockholm
- 1999 Acquisition by DaimlerChrysler to form DaimlerChrysler Rail Systems (Adtranz)
- 2000 First delivery of Regina trains
- 2000 First delivery of Contessa trains
- 2001 Acquisition by Bombardier
- 2002 First delivery of Bucharest BM21
- 2007 First delivery of EMU's for China
- 2008 Swedish speed record of 303 km/h with *REGINA 250*
- 2011 Delivery of the 100th Contessa train

Certifications

- Certified IRIS (International Railway Industry Standard)
- Certified ISO 9001 (Quality)
- Certified ISO 14001 (Environmental Management System)
- Certified OHSAS 18001 (Occupational Health & Safety Management)

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