

BOMBARDIER

SITE FACT SHEET

Hässleholm, SWEDEN

Basic Information

Total area: 2,250 m²

The Rail Control Solutions (RCS) Hässleholm site focuses on *EBI* Lock computer-based interlocking (CBI) and *EBI* Com radio block centre (RBC) systems and their associated tools. The team has a unique competence in the safety integration of computer-based signalling systems and application engineering.

The site is part of Bombardier's over 100 years experience in rail control technology in Sweden, which includes the development of the world's first computerised interlocking and radio block centre as well as the latest cutting edge technology.

Competencies

- One of the Rail Control Solutions division's global sites working on *EBI* Lock CBI, *EBI* Com RBC, their associated tools and test environments.
- Application engineering.
- Safety, contribution to bids, project management, integration of CBSS and participation in UNISIG work to develop, maintain and update the European Rail Traffic Management System (ERTMS) specifications.

Main Products and Contracts

- Ongoing: contribution of *EBI* Lock CBI and *EBI* Com RBC technology and associated tools to *INTERFLO* ERTMS Level 1 and Level 2 systems delivered in the Swedish market as part of ERTMS frame agreements in the Nordic countries.
- Products provided for *INTERFLO* 450 ERTMS Level 2 technology, including *EBI* Lock CBI and/or *EBI* Com radio block centre, with their associated tools, for high-speed lines in China (2009 onwards); in Poland including on the Legnica-Węgliń-Bielwa Dolna line sections (2010 onwards) and on the Amsterdam-Utrecht line, the Netherlands (2011).
- Continuous / ongoing interlocking upgrade projects for existing interlockings and new deliveries worldwide, providing *EBI* Lock 950 CBI systems.
- Design responsibility in larger application projects for the Swedish market, such as for Malmö C, Ådalsbanan, Göteborg, Västerdalsbanan etc., as well as for the wayside technology in bids.

Historical Milestones

1989	First site established in Hässleholm (EB Signal)
1988	Site becomes part of ABB Signal
1991	Sites open in current location
1995	World's first computerised Radio Block Centre (RBC) in commercial operation developed at the site.
1996	Site becomes part of Adtranz Signal
2001	Site becomes part of Bombardier Transportation
2002	Second generation RBC put into operation; the first system in the world to be based on ERTMS Level 2 standard.
2006	Latest generation, high-capacity <i>EBI</i> Lock 950 CBI Release 4, developed at the site using cutting-edge commercial off the shelf (COTS) products, goes into operation globally

Certifications

- Quality management system, certified according to ISO EN 9001:2008
- Environmental management system, certified according to ISO EN 14001:2004
- International Railway Industry Standard (IRIS), certified according Rev. 02
- Occupational Health & Safety Management, certified according to BS OHSAS 18001:2007
- Swedac

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