Gothenburg, SWEDEN

Basic Information
Total area: 1,175 m²

The Rail Control Solutions (RCS) Gothenburg site was formed in the mid 1990s around a new wireless (radio-based), moving block signalling concept for rail control systems. The system minimised the need for fixed installations and at the same time improved flexibility and transport capacity.

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
- Systems Engineering
- Software design and development
- System integration and testing
- Safety management
- Project management

Main Products and Contracts
- **INTERFLO 150** system for industrial applications (mainly mining) which offers a high degree of automation, including driverless operation (ATO), automatic dispatching, remote loading, automatic unloading. With installations dating back to 1999, this was Bombardier’s first CBTC system. Customers to date in Chile and in Sweden (world’s largest underground mines, for copper and iron respectively).
- **INTERFLO 550** ERTMS Level 3 Regional solution which is the first system on the market compliant to the suggested UIC standard ERTMS Regional. Customers to date in Sweden (frame agreement for 12 regional lines including the Västerdalsbanan pilot line) and in Kazakhstan (2 lines).

Historical Milestones
1996 Adtranz Signal acquires local engineering company Carrnovo AB
1999 First **INTERFLO 150** solution commissioned at the Esmeralda system at El Teniente mine, Chile
2001 Bombardier Transportation acquires Adtranz
2005   Bombardier awarded frame agreement with Trafikverket to provide the INTERFLO 550 ERTMS Regional solution for regional railways in Sweden

2011   Site moves from Trädgårdsgatan 1 to new offices at Polhemsplatsen 5

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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