

# **BOMBARDIER**

## **SITE FACT SHEET**

### **HELSINKI, FINLAND**

#### **Basic Information**

Total area: 1600 m<sup>2</sup>

Bombardier's site in Helsinki covers both Rail Control Solutions (RCS) and rolling stock activities.

The RCS team is responsible for domestic marketing, project sales, project management and product support. It is a centre of excellence for the development of traffic management systems (TMS). The *EBI* Screen TMS system developed in Finland has been delivered to numerous rail administrations, as well as railway and metro companies worldwide.

The rolling stock activities comprises domestic marketing, project sales, project management, service and product support for railway, metro and light rail companies.

#### **Competencies**

- Sales, system and software design, supply, and maintenance of railway signalling and control systems
- Sales and supply of support, maintenance and refurbishment services for rail vehicles
- Sales support for the supply of rail vehicles.

#### **Main Products and Contracts over the last ten years**

- Numerous traffic management systems (*EBI* Screen) worldwide
- Tram maintenance agreement with Helsinki City Transport ( 2007-2018)
- *EBI* Cab on-board automatic train protection (ATP) for Stadler Flirt EMUs (Finland)
- *EBI* Cab on-board automatic train protection (ATP) for Pendolino Allegro trains (Helsinki – St. Petersburg line)
- Introduction of *EBI* Screen traffic management systems for *CITYFLO* and *INTERFLO* solutions (2006)
- Contributor in delivering *EBI* Screen control centre as part of major *CITYFLO* 650 CBTC solution contract for the London Underground Sub Surface Railway (SSR) signalling upgrade, (UK).

#### **Historical Milestones**

Control system activities:

- 1965 Start of the RCS activities as part of Nokia -development of remote control systems (SCADA) for power stations and electricity networks
- 1971 Delivery of computer-based SCADA system (first in Europe)
- 1994 Delivery of fully integrated computer-based system for railway traffic control, traction power supply networks and nationwide energy management

- 1994 Start of delivery of *EBI* Cab ATP for wayside and on-board installations for the whole Finnish market
- 1995 Introduction of Vital loop computer system
- 1997 Introduction of automatic passenger information systems
- 1997 Introduction of pc-based traffic management systems (*EBI* Screen)

Rolling stock activities:

- 1968 Delivery of first electric DC drive for EMUs (as part of Strömberg)
- 1996 - 2003 Delivery of 46 Multi-Purpose Electric Locomotives to Finnish Railways (VR)
- 1998 - 2004 Delivery of 40 low-floor articulated trams to Helsinki City Transport (HKL)

**Certifications**

- Quality management system, certified according to ISO EN 9001:2008 and International Railway Industry Standard (IRIS), Revision 02 (RCS)
- HSE management system, certified according to ISO 14001:2004 and OHSAS 18001:2007 (Services, valid after 16.11.2011)

**Addresses**

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