

# BOMBARDIER

## SITE FACT SHEET

### Pittsburgh, PENNSYLVANIA, USA

#### Basic Information

Total area of multiple buildings:      Approx. 290,400 sq. ft.

#### Main Products and Contracts

- Center of expertise for the electrical and mechanical system design, engineering, integration, and production of the fully Automated People Mover (APM), monorail and rubber-tired rapid transit technologies. Products include the *INNOVIA*\* APM 100, 200, and 300 vehicles, the Bombardier Monorail as installed in Las Vegas, and the fully automated rubber-tired technology currently being implemented on the Neihu rapid transit line in Taipei, Taiwan.
- APM installations in airports and urban applications in cities such as Atlanta, Dallas/Fort Worth, Denver, Houston, Miami, Orlando, Phoenix, Pittsburgh, Sacramento, Seattle-Tacoma, Tampa and San Francisco, USA; Frankfurt, Rome, Madrid, Stansted, Gatwick, and Heathrow in Europe; and Beijing, Guangzhou, Kuala Lumpur and Singapore in Asia.
- Rail Control Solutions - Center of Competence for the *CITYFLO*\* 550 and *CITYFLO* 650 mass transit rail control systems and for radio communication for train control, delivered globally.
- The *CITYFLO* 550 fixed-block system has been implemented on metro and APM systems including: the Bay Area Rapid Transit (BART) system in San Francisco, the Singapore People Mover and the Frankfurt Airport People Mover.
- *CITYFLO* 650 was the first ever radio-based communications-based train control (CBTC) system, installed in 2003 at San Francisco Airport. The solution supports metro, people mover, monorail and advanced rapid transit and is installed or in delivery on 24 lines globally including: Metro Madrid Lines 1 & 6, Shenzhen Metro Line 3, London Underground (SSR upgrade), Dallas Fort Worth APM, Yongin ART, and Sao Paulo Tiradentes Monorail.
- The Pittsburgh site is the location for core product engineering, project management, and sales teams, with approximately 180 employees. Laboratories support extensive validation testing and three test tracks are fully equipped with both the systems.
- The Propulsion and Control systems, designed and manufactured at the Pittsburgh site, are delivered to customers all over the world. Customers include Metro, Light Rail and People Mover transportation systems. Current projects include Toronto Rocket, Chicago Transit Authority, New York City Transit, West Virginia University, Toronto LRV, BART & two APMs in Saudi Arabia. Approximately 220 employees provide Sales, Projects, Engineering, Operations and Aftermarket Support for our global base of customers. Design Engineering includes electrical and mechanical integration of *MITRAC*\* products, which includes the *MITRAC* 500 family for people movers and LRVs, and the *MITRAC* 1000 family for metros.

## **Other Information**

- Certified *ISO 9001:2008* (Quality Management System)
- Certified *ISO 14001:2004* (Environmental Management System)
- Certified *OHSAS 18001:2007* (Health & Safety Management System)
- Certified *IRIS Rev. 2*
- Location of Transit Innovation Center
- Management HQ of Service Delivery Centers (operations and maintenance)
- Centre of Competence for APM technology, Engineering, and train control systems
- North American headquarters for Rail Control Solutions division, Systems division and Locomotives, Light Rail Vehicles and Equipment division's Propulsion and Controls
- Test tracks for *INNOVIA APM 100, 200, and 300* APM test tracks, Neihu vehicles and for *CITYFLO 550* and *CITYFLO 650* rail control systems

## **Historical Milestones**

- 1894      Origins of Westinghouse Electric Corporation – Transportation division.
- 1965      Westinghouse Transportation designs, builds and tests first APM system in South Park section of Pittsburgh.
- 1971      First APM system is put into revenue service at the Tampa International Airport.
- 1988      AEG acquires Westinghouse Transportation Systems, Inc.
- 1996      ABB forms joint venture with Daimler-Benz Transportation, Inc. and forms Adtranz.
- 1998      Daimler Chrysler Rail Systems (North America) Inc. acquires ABB portion of Adtranz.
- 2001      Bombardier acquires the assets of Daimler Chrysler Rail System.

## **Address**

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<http://www.transportation.bombardier.com>