

BOMBARDIER

SITE FACT SHEET

Crespin, FRANCE

Basic Information

Total area: 688,959 m²

525 vehicles produced a year (2010)

1,055 bogies produced a year (2010)

As the first French industrial rail site, it houses Centres of Excellence for bogies, reliability and onboard electronics, as well as a certified testing laboratory. The site develops a wide range of rail rolling stock products like Regio2N, Francilien and AGC.

The Regio2N is a regional double-deck train with 129 trains ordered by six Regions and SNCF. The train includes a modular concept, wide-body cars and an articulated architecture. This train features technical innovations in terms of reliability, availability, and sustainability, while generating economic benefits, like reduced maintenance costs and energy consumption.

The Francilien, *SPACIUM** train is co-financed by the French National Railways (SNCF) and Ile-de-France Transport Authority (STIF), a state-of-the-art suburban train which started commercial service on December 13, 2009.

L'Autorail Grande Capacité (AGC) represents 700 regional train sets ordered by 21 French Regions, scoring high in passenger satisfaction polls.

Competencies

3 international Centres of Excellence:

- Bogies
- Reliability
- Onboard electronics

All Competencies on site:

- Sales & Marketing
- Project Management
- Engineering (bodyshells, systems, interiors, homologation tests, bogies)
- Methods and Tooling
- Production: bogies, bodyshells, painting, electrical subassemblies, fitting out
- Static tests (cars and trains) and dynamic tests on track

Main Products and Contracts over the last 10 years

- Regio2N* double-deck train for SNCF and Regions
- Francilien suburban train for Ile-de-France Region
- AGC multiple units for SNCF (700)
- MI09 RERA for the Paris metro RATP
- MF 2000 metro trains for Paris
- TER 2N NG double-deck units for SNCF
- MI 2N double-deck multiple units RATP and SNCF
- *FLEXITY** trams for Marseille
- TGV cars for SNCF
- Diesel-multiple units for Virgin Trains and Midland Main Line (UK)
- ZTER multiple units

Historical Milestones

2011	Delivery of 700 th AGC
2010	Regio2N contract signature
2008	First French rail industry site to receive the IRIS certification
2008	Opening of the industrial park Trans-Avenir for suppliers
2007	Launch of AGC bibi: world premiere for a hybrid train
2006	Francilien, Ile-de-France suburban trains contract signature
2001	AGC regional trains contract signature
1999	2 prototypes of coaches and sleeper cars for Bombardier Transportation's manufacturing joint venture in Qingdao (China)
1998	Qualification trial for the tilting AXIS at 160km/hour
1997	Structure conception of 352 Virgin cars (United Kingdom)
1995	Creation of Centre of Excellence for bogies
1994	90 TGV Duplex coaches
1994	Trams-on-tyres for Caen contract
1992	Delivery of the new MF 88 Metro to the RATP
1990	Transmanche shuttle Wagon delivery
1989	Acquisition of the « A.N.F. » plant by Bombardier

1982	Creation of the “Ateliers du Nord de la France” (ANF)
1970	Foundation of ANF-Industrie: Gaz turbine powered trains for SNCF (RTG trains), coaches & sleeping trains
1956	Creation of SATI (wagons rent)
1832	Foundation of the plant

Certifications

- International standard of rail industry (IRIS)
- Certified ISO 9001/ V2000 (Quality)
- Certified ISO 14001 (Environmental Management System)
- OHSAS 18001 (Occupational Health & Safety Management)
- Multi-track testing area for static and dynamic tests

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