

ALSTOM IN ITALY

Deeply rooted in the Italian railway tradition, Alstom in Italy has been **manufacturing trains for 160 years**, traction systems for 60 years and signalling equipment for 90 years.

With **8 sites** throughout Italy and **2,800 employees**, Alstom is today a strong local employer recognised as one of the leaders on the Italian market.

Alstom in Italy can boast two centres of excellence in high-speed trains **Avelia Pendolino** based on **tilting technology** and in railway signalling equipment and traction systems.

Alstom has made considerable investments in its industrial base in Italy. Alstom's site in **Savigliano** (CN) is an example of **Factory 4.0**, with a cutting-edge 3D virtual reality room enabling our engineers to design trains for easier maintainability.



KEY FIGURES

2,800 employees

8 main sites

31 depots

2 centres of expertise

Appr. **€720M** Sales by origin in 2017/18

ALSTOM PRESENCE

Savigliano 🚂 🚆 🚧

Centre of excellence for regional trains (over 400 trains sold) and Avelia Pendolino high-speed trains (500 trains sold worldwide). 🚧 🚂 🚆

Sesto San Giovanni

Service centre and traction systems for high-speed trains, regional and suburban trains, tramway and metro.

Lecco 🚆

Development and manufacturing of railway components and power transmission for metro and tramway.

Bologna 🚆

Centre of excellence for trackside signalling and interlocking equipment.

Florence 🚆

Design and manufacturing of railway signalling systems.

Roma 🚆

Commercial office.

Design and installation of urban and mainline infrastructure and systems.

Bari 🚆

Research centre for railway signalling systems.

Nola 🚧

Maintenance centre for NTV fleet (25 Avelia AGV+22 Avelia Pendolino).

MAIN REFERENCES

TRAINS

- 162 regional trains Coradia Meridian for Trenitalia
- 150 regional trains Coradia Stream for Trenitalia, FNM and the Italian regions.
- 25 Avelia AGV high-speed trains and 22 Avelia Pendolino EVO trains for NTV

SIGNALLING

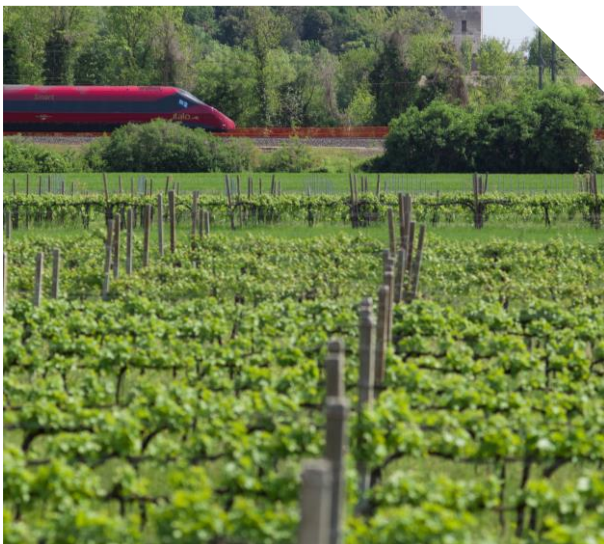
- ERTMS level 2 for high-speed lines in Italy
- Integrated control centre for Bologna central station and signalling system for Passante di Bologna
- Integrated control centre for Roma node
- Renewal of signalling systems: West Denmark, Arad-Curtici line (Romania), Beni Suef-Asyut line (Egypt)
- Upgrade of Milano Centrale - Milano Smistamento - Monza - Chiasso line
- Renewal of signalling systems on Milan Metro Line 1 without service interruption
- OCC for metro lines 1, 2 and 3 of Milan metro

INFRASTRUCTURE

- Electrification of part of the Bologna-Florence and Treviglio-Brescia high-speed line
- ATM/Milan metro line M5 in project financing
- Florence tramway, lines 2 and 3 and new tramway system Desio-Seregno (MI)

SERVICE

- Maintenance of Avelia Pendolino fleets (1 and/or 2 level) for Trenitalia and SBB
- Maintenance of regional trains Minuetto and Coradia Meridian for Trenitalia.
- 30-year full service maintenance for NTV.



MAJOR ACHIEVEMENTS

- Over **500 Avelia Pendolino** trains built in Italy and sold in 13 countries, including UK, Russia, Finland and China.
- More than **400** regional trains for public, private and regional operators.
- **ERTMS level 2** system for the **Italian high-speed lines**, the first in Europe to be equipped with the new interoperable standard.

KEY CUSTOMERS

- **Mainline** operators: Ferrovie dello Stato, Trenitalia, RFI, NTV-Nuovo Trasporto Viaggiatori
- **Regional** operators: GTT (Piedmont); Trenord (Lombardy)
- **Municipalities:** ATM (Milan), GTT (Turin)