

LONG-TERM COMMITMENT

Alstom is **deeply rooted in the Spanish industrial and railway history**. We could go back 150 years in time to find the origins of Alstom in Spain, to 1855, the founding year of La Maquinista Terrestre y Marítima SA, a centenary company that was later acquired by Alstom in the latest 80s.

Since then, Alstom has reached many milestones with a long history of **innovation and commitment to the economic and industrial development of Spain**. Alstom has continued to expand its presence in the country through the creation of new industrial and technology centres, which have turned the company into **one of the main employers of the railway sector in our country**.



FULL RANGE

Alstom is also the only company in Spain with local industrial and technological presence in all the activities related to railway transport: signalling, infrastructures, train manufacturing and maintenance.



TRAINS

In Barcelona, Alstom has one of the most advanced rolling stock manufacturing sites in Europe, with the capacity to produce all types of trains, from tramways, metros, suburban units, to long distance and high speed sets.



SIGNALLING

Alstom Spain's railway signalling and safety unit employs over 500 technicians and engineers who are dedicated to developing and implementing cutting-edge signalling solutions for all types of railway infrastructure (high-speed, regional, metro trains and trams).



SERVICES

Alstom offers a range of customized services to public and private rail operating companies. The aim is to guarantee the optimized, safe and global management of rolling stock equipment throughout their life-cycles, regardless as to whether it is manufactured by Alstom or third parties, including maintenance, refurbishment, spare parts management, support and technical assistance.



INFRASTRUCTURE AND SYSTEMS

The railway infrastructure unit provides customers with turnkey solutions and products associated with railway lines: track, electrification, depots, tunnel safety systems, etc.

KEY FIGURES

Over **2,000** employees

18 sites

4 innovation centres

1 manufacturing factory

480 M€ annual sales

+50% exportation

ALWAYS PIONEERS

Alstom has been a main player in the modernization process of the Spanish railway industry. 25 years ago, Alstom delivered the first high speed trains in Spain. These trains were built in Alstom's manufacturing sites in Spain. Since then, we have been a pioneer in all the major milestones of the Spanish railway sector. Some of our first are:

- Very high-speed trains in Spain (AVE Madrid-Seville)
- RENFE/Alstom punctuality commitment VHST
- Rail Concession and tramway turnkey system (Barcelona tram)
- 2x25 kV substations for high speed lines
- Regional high-speed shuttles
- Driverless metro (L9 Barcelona)
- Third rail signalling (French border)
- Latest-generation ERTMS 2 (Albacete-Alicante)
- On-board ERTMS for commuter trains (Madrid)
- Spanish very high-speed train crossing the border and running with France
- CBTC with mixed operation in Malaga Metro
- WiFi on very high speed trains.
- ETCS Baseline 3 on Adif Laboratory trains



A SUSTAINABLE FOCUS

Alstom provides innovative and environmentally-friendly rail solutions to meet **mobility needs through a socially-responsible business model.**

The solutions that Alstom develops are designed to optimize sustainability throughout the entire product life cycle, from the choice of raw materials and the manufacturing process to its operational efficiency, with particular emphasis on reducing energy consumption and end-of-life recycling.

As part of this commitment, Alstom in Spain has joined the **Spanish Green Growth Group**, whose aim is to progress towards a low-carbon economy.

Globally, Alstom's main **objective for 2020** is to reduce the energy consumption of its products and services by 20%, compared to 2014 data. The energy intensity of its production sites and facilities is also set to decrease by 10% before 2020. We have already achieved 15% and 9% decrease respectively.

To achieve these objectives, Alstom is implementing an intensive program of **technological innovation and eco-design in product development.**

