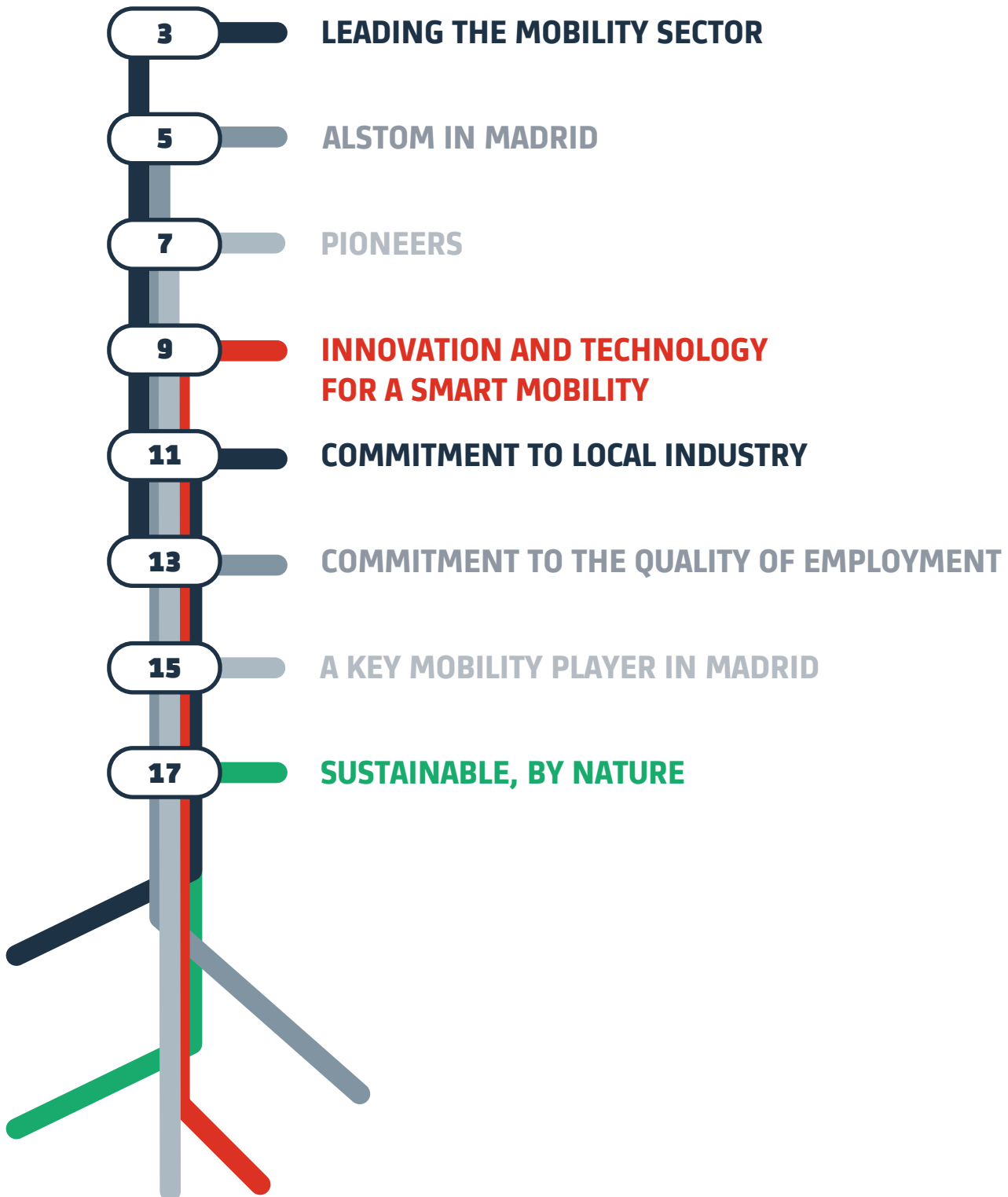


ALSTOM IN MADRID



ALSTOM
• mobility by nature •

ALSTOM IN MADRID



LEADING THE MOBILITY SECTOR

Alstom develops and markets sustainable mobility solutions that provide the basis for the future of transport.

Alstom's product portfolio ranges from high-speed trains, regional trains, suburban trains, metros, monorails and trams to turnkey integrated systems, infrastructure, maintenance services, signalling and digital mobility solutions.

Global reach

Every day, Alstom provides sustainable mobility solutions for



80,000,000
daily passengers



64
countries

Alstom, worldwide



84,700+
employees



9,800+
patents



17,6 bn
sales *



150,000+
vehicles in commercial service



23,900+
engineers



91,9 bn
order backlog *

In **Spain**, Alstom has an industrial and technological presence across all activities related to rail transport and sustainable mobility, including signalling, infrastructure, train manufacturing, traction systems, maintenance, and digital mobility.

Biscay

Traction systems industrial site

4

Innovation and digital mobility sites

20+

Maintenance workshops

Catalonia

Rolling stock industrial site (engineering and manufacturing)

Madrid

Corporate Headquarters Spain and Portugal
Centre of Excellence in Signalling and Railway Safety

Digital Mobility Innovation site
Digital Services (innovation and engineering innovation and engineering centre)

Maintenance and repair of railway equipment



3,200+
employees
(not including JVs)



48%
export
(sales)



1 out of every 3
trains in circulation in Spain have been manufactured and maintained by Alstom



Sales
799
million euros *

* Fiscal year 23/24, closed on March 31st, 2024.

* Fiscal year 23/24, closed on March 31st, 2024.

ALSTOM IN MADRID



Headquarters

- Centre of excellence and laboratories for railway signalling and safety
- Digital Mobility Innovation Centre
- Corporate Headquarters Spain and Portugal

Fuencarral

High-speed maintenance centre

Alstom - Ateinsa

Cerro Negro

Btren

(Joint Venture with Renfe)
Maintenance centres:

- Santa Catalina
- Cerro Negro
- Fuencarral
- Vicálvaro
- Humanes
- Villaverde

Irvia

(Joint Venture with Renfe)
Maintenance centres:

- Cerro Negro
- Electronics Repair Centre

Pinto Industrial Centre

- Repair of railway equipment
- Bogie assembly

Pinto Digital Solutions

Technological centre for the application of digital solutions in fleet maintenance

Adolfo Suárez Madrid - Barajas Airport

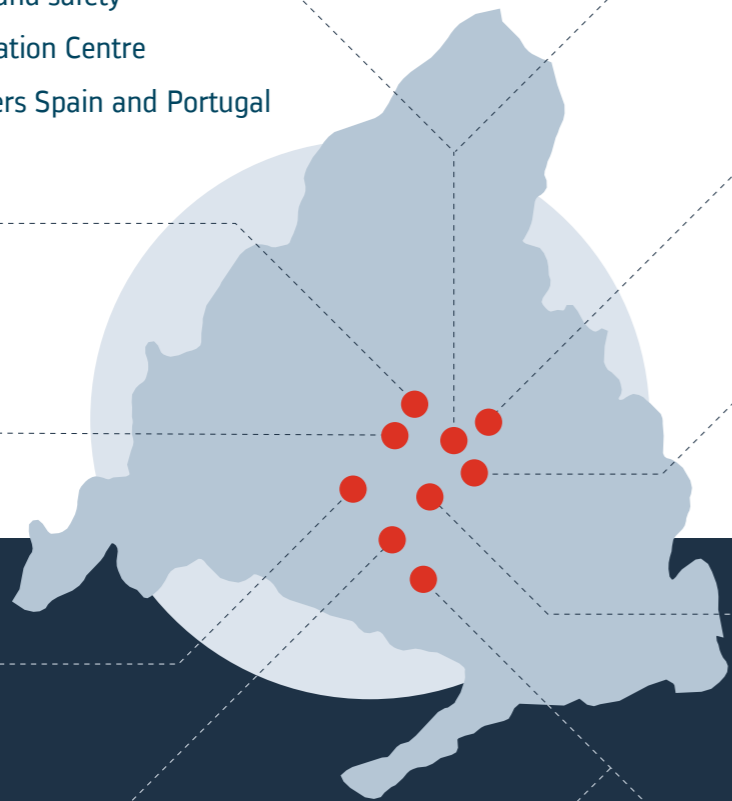
Automatic train T4/T4S (complete system)

Madrid Metro

Maintenance (Canillejas and Humanes)

Villaverde - Alstom Ametsis

Design, manufacture and maintenance of braking systems



1,700+
employees
(including JVs)

More than 150 years of history in Spain, contributing to industry development and sustainable mobility.

Alstom, the heir to legendary companies such as La Maquinista, Ateinsa and Macosa, has grown in products and services with high added value. Our objective has always been to contribute to the industry's development and promote sustainable mobility in Spain, pioneering major technological milestones in the sector, such as the first high-speed trains, the first comprehensive tramway project, the development of new commuter trains, the first automatic train, and ERTMS signalling systems.

150+ YEARS



Renfe workshops in Villaverde Bajo, next to Ateinsa's facilities (now Alstom).

TODAY

We are one of the main players in the sustainable mobility sector in Madrid, with more than 1,700 employees and a strong industrial and technological presence.



Digital Mobility

- Digital solutions for fleet maintenance.
- Railway signalling and safety.



Manufacture and repair of equipment

Manufacture and repair of equipment



Maintenance train and infrastructure

Maintenance train and infrastructure



R&D

Global innovation site



Corporate headquarters for Spain and Portugal

PIONEERS



Alstom has been a key player in the modernisation of Madrid's railway sector over the last 30 years.



Renfe / Alstom commitment to high-speed **punctuality** (<5 min).



Award of the largest **locomotive** contract for Renfe.



Inauguration of Metro Ligero Oeste and Metro Ligero de Madrid: the **modern tram** arrives in Madrid.



First **ERTMS** system in commuter trains: Line C4 Parla - Colmenar Viejo.



First **dual-voltage** units for Metro de Madrid (Line 5).



Bombardier Transportation integration.



High-speed in Spain (AVE Madrid - Seville).



Regional **shuttles** at 250 km/h (Madrid - Toledo and Madrid - Valladolid).



Inauguration of the **driverless automatic system** at Madrid Barajas Airport T4.



Signalling **technology** for metro automation on Lines 1 and 6 of Metro de Madrid.



Railway liberalisation. **First private operator** in Spain (Madrid - Barcelona).



Start of production of the **new high-capacity commuter trains**.



INNOVATION AND TECHNOLOGY FOR A SMART MOBILITY

In Madrid, Alstom develops sustainable, digital, and connected mobility projects for global deployment. We find this technology in Dubai, Athens, Sydney, Montreal, Istanbul, São Paulo, Cairo, Saudi Arabia, and Mexico. **A journey through global mobility that allows us to make Madrid's brand visible worldwide.**

Cutting-edge signalling: from Madrid to the world

Madrid is home to one of Alstom's most important signalling, security, and digital mobility units worldwide. Our 800 experts in digital mobility are at the forefront of developing **technological solutions for urban and main line mobility systems in Spain and internationally.**

The site in **Madrid** has **developed** technologies for trams in Dubai, Athens and Sydney; metro systems in Montreal, Istanbul and São Paulo, the Cairo monorail, high-speed trains in Saudi Arabia and the Tren Maya in Mexico, to name a few of the most recent **international projects.**



40+
projects worldwide

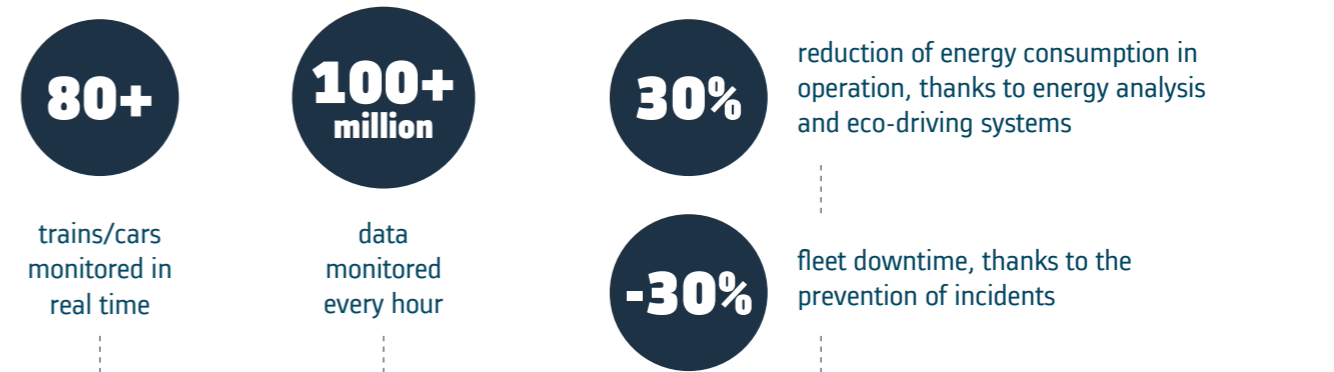
800+
digital mobility experts

The digital train: a reality in Pinto

Alstom has inaugurated a **pioneering digital and predictive maintenance unit** in Pinto, Madrid. This unit, powered by **cutting-edge artificial intelligence and Big Data tools**, monitors trains in real-time and significantly improves train availability and reliability.

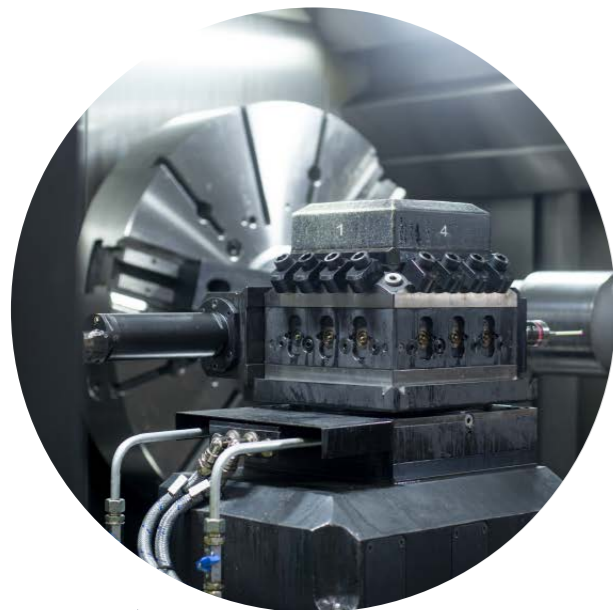


Since its launch, the team has reached several milestones, such as:



MUÉVETE VERDE AWARD

In 2023, Alstom received the 'Muévete Verde' award, organised by the Madrid City Council and Empresa Municipal de Transporte de Madrid (EMT Madrid), to recognise the **best initiatives in sustainable mobility.** The Digital Services team in Pinto received this recognition in the 'Digital Transformation of Mobility' category, for the application of new exponential digital technologies in railway maintenance.



While Madrid is a technological hub of reference for the Alstom Group worldwide, **Alstom also has a solid industrial footprint in Madrid**, especially in the area of maintenance.

COMMITMENT TO LOCAL INDUSTRY



600+
experts and technicians

WE LOOK AFTER OUR TRAINS HEALTH

Alstom's team in Spain and the joint ventures with Renfe (Irvia and Btren) develop their activities in various **maintenance workshops** (Santa Catalina, Cerro Negro, Fuencarral, Vicálvaro, Humanes, Villaverde and Canillejas, among others), from which they provide services to public and private operators (Renfe Alta Velocidad, Renfe Cercanías, Metro de Madrid and Ouigo).

More than 600 **experts and specialised technicians** look after the health of our trains every day.

Pinto: a site in continuous expansion

2021 Alstom completed the first phase of construction of this new industrial site, where the **maintenance (corrective and predictive) of different equipment and systems for all types of trains is carried out**: axles, bogies, gearboxes and bearings, pneumatic and hydraulic brakes, shock absorbers, motors, motor fans, compressors and transmissions.

2022 **The warehouses were extended to incorporate a new industrial activity**: manufacturing new bogies, an activity transferred to Spain from the site at Le Creusot. For example, the bogies for the 87 new Casablanca trams were assembled at Alstom's industrial site in Pinto.

2024 It continues its expansion process to **double its production capacity and develop new lines of business**.



200+
employees



Leading company

Alstom is not just a company but a driving force that actively promotes the growth and internationalization of small and medium-sized companies wherever it operates.

With an annual **volume of purchases from Spanish suppliers close to one billion euros**, **the Group has a broad base of suppliers in Madrid**, including consultancy and engineering companies, design studios, equipment manufacturers, professional service providers, and electronic system suppliers.

In the past year alone, **the Alstom Group has substantially contributed to the local economy by purchasing products and services from Madrid companies worth over 355 million euros**.

Some of the Madrid suppliers of the Alstom Group (national and international):

- **Mormedi** (Madrid): industrial and strategic design.
- **Actia Systems** (Pinto): electronics and telecommunications.
- **Knorr-Bremse Spain** (Getafe): braking systems.
- **Sepso-Medha** (Pinto): power electronics and on-board systems.



PURCHASES WORTH 355 million euros in Madrid

Alstom Ametsis, our latest addition

In July 2023, Alstom announced the acquisition of the Madrid-based company Ametsis, dedicated to **designing, manufacturing and maintaining braking systems and equipment**.

This acquisition **extends and reinforces Alstom's expertise** in braking systems, a key element of train technical performance.

The integration into the Alstom Group represents a promising development opportunity for Ametsis and ensures a bright future for its employees, who now become part of the world's leading company in the sector.

COMMITMENT TO THE QUALITY OF EMPLOYMENT

1,700
employees

500
new
employees

The long-term **industrial and technological commitment** in Madrid also translates into a **strong driver for job creation**, with more than 500 new hires in the last two years.

We create quality and diverse employment

25% of management positions held by women and employees from 32 different nationalities at our sites in Madrid.

 **25%** of women in management

 **30+** different nationalities

Digital technologies for in-house training

In 2023, Alstom University opened a **new learning hub at Alstom's headquarters in Madrid**. This hub, a European pioneer, features the **latest immersive learning tools through virtual and augmented reality** to test, explore, and experience new ways of learning, boosting curiosity and encourage innovation.

Collaboration with training sites and universities

Alstom actively collaborates with a diverse range of **universities in the Community of Madrid**, such as the Carlos III University (with its own Master's degree in railway systems), the UPM, Universidad Pontificia de Comillas, Escuela de Organización Industrial, etc. This **drive for education** is complemented by collaborations with FP-Dual schools close to Alstom's sites and agreements with institutions and NGOs (such as Creática) to promote STEM training among young people.

A KEY

MOBILITY PLAYER

IN MADRID

You can find Alstom technology in...

COMMUTER

Half of the commuter trains running in the Madrid region are manufactured by Alstom.

50%



HIGH-SPEED

90% of the high-speed trains departing or arriving in Madrid are equipped with Alstom technology.

90%



LIGHT RAIL

The vehicles of Metro Ligero Oeste, Metro Ligero de Madrid and the Parla Tramway.



Alstom is a major player in Madrid's transport network.

85%



METRO

Alstom propulsion systems in 85% of Metro de Madrid's vehicles.

APM



DRIVERLESS

The APM (Automatic People Mover) at Adolfo Suárez Madrid-Barajas Airport, developed, maintained, and operated by Alstom, is also a national and international reference, being the first fully autonomous system in Spain.

STATIONS

Rail traffic management in Chamartín, Metro de Madrid, light rail, and the Madrid-Barajas APM.



SUSTAINABLE, BY NATURE



Net zero mobility

- Innovating to develop **efficient and fossil-free solutions** for a net zero world.
- Reducing the impact of our operations and **adapting to a changing climate**.



Resource preservation

- Applying **eco-design** to reduce lifecycle impact from products and services.
- Implementing **circular models** to conserve resources and protect biodiversity.



Community empowerment

- Supporting **local socio-economic development** by growing lasting partnerships.
- Making **mobility more inclusive and accessible**.



People care and growth

- Engaging our people by
- Creating a supportive workplace and culture ensuring their **safety and health**.
 - Leading on **diversity, equality, and inclusion**.
 - Opportunities for **growth and development**.



Responsible value Chain

- Enhancing **environmental and social performance**.
- Protecting **human rights** through our value chain.

Alstom's commitment to sustainability goes beyond mobility systems and the decarbonisation of transport. **We seek to fully integrate the Sustainable Development Goals (SDGs) into the company's strategy:** social responsibility, respect for human rights, implementation of labour practices that ensure diversity and inclusion, and respect for the environment, among others.



Alstom Spain has certified compliance with the ISO 26000 standard regarding **integrating sustainable development and social responsibility in the company's strategy**.

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