

First new Barcelona Metro trains enter into commercial service

- 50 new metro trains will replace Barcelona Metro Lines 1 and 3 fleet
- The new metro units are based on the experience and reliability of Alstom's Metropolis range
- All the trains are being manufactured at Alstom's industrial centre in Santa Perpètua, Barcelona

30 March 2023 – Alstom's new trains for the Barcelona Metro operator TMB (Transportes Metropolitanos de Barcelona) have entered commercial service on line 3. The 50 new metro trains will replace the Barcelona Metro lines 1 and 3 fleet. Following the commissioning of this first train on line 3, the plan is to gradually replace the current fleet over the coming months. All the trains are being manufactured at Alstom's industrial site in Santa Perpètua, Barcelona.

These new, more sustainable, efficient and accessible trains are part of a contract awarded to Alstom in October 2019 to supply 50 new metro trains, from the Metropolis family, for nearly €320 million.

During the commissioning of this first train, TMB President Laia Bonet said, "With these new trains, we are improving the service by offering more comfort and accessibility, and we are also moving towards a more sustainable mobility thanks to their lower energy consumption. They are also more accessible with wider doors and corridors, and we are very aware that this is a good solution for the mobility of everyone in our society, in our city."

"It is an honour that TMB has once again trust in Alstom and our site in Catalonia to develop its latest generation of metro trains, that are at the forefront in terms of safety, sustainability, technology, accessibility and comfort. We share with TMB its commitment to social responsibility, for a sustainable future in the economic, social and environmental fields," emphasises Leopoldo Maestu, President of Alstom Spain.

More sustainable and accessible trains

The new trains are based on the experience and reliability of Alstom's Metropolis range, while incorporating new innovations and technological solutions, with special emphasis on sustainability and accessibility. Thus, the trains feature a lightweight structure, low energy consumption, technical reliability, ease of maintenance and improved air filtration. Accessibility conditions are also included to comply not only with current Spanish and Catalan regulations, but also with the guidelines of neighbouring countries. The five-car trains are equipped with remote control and sensors to manage rolling stock maintenance.

Compared to the current trains, the new rolling stock also stands out in terms of digitalisation, with new information systems, more digital screens and real-time video surveillance cameras, low noise levels and the availability of USB ports for charging mobile devices. Other innovations of the new trains are the ease of access, the lighting (100% LEDs), as well as the interior design ergonomics.

Metropolis is Alstom's metro solution, available with driverless systems. Metropolis trains feature low noise levels, high recyclability and optimised energy efficiency to minimise environmental impact. More than 30 cities worldwide have ordered or operated Metropolis trains, including Amsterdam, Singapore, Panama City, Barcelona, Paris, Riyadh, Dubai, Sydney and Montreal.

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About Alstom

Leading societies to a low carbon future, Alstom develops and markets mobility solutions that provide sustainable foundations for the future of transportation. From high-speed trains, metros, monorails, trams, to turnkey systems, services, infrastructure, signalling and digital mobility, Alstom offers its diverse customers the broadest portfolio in the industry. 150,000 vehicles in commercial service worldwide attest to the company's proven expertise in project management, innovation, design and technology. In 2022, the company was included in the Dow Jones Sustainability Indices, World and Europe, for the 12th consecutive time. Headquartered in France and present in 70 countries, Alstom employs more than 74,000 people. The Group posted revenues of €15.5 billion for the fiscal year ending on 31 March 2022.

With more than 3,000 employees, Alstom in Spain has a long industrial and technological history, including 4 industrial centres, 4 technology sites and a presence in more than twenty maintenance workshops. Among others, Alstom has an industrial plant in Barcelona dedicated to the manufacture of all types of rolling stock, a propulsion system factory in Bizkaia, and in Madrid, different technological innovation centres for the development of programmes and projects in the fields of railway safety, signalling, maintenance and digital mobility.

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