

## **Alstom to supply new signalling system and additional trains for line 1 of Turin Metro**

- **€156 million turnkey contract includes train-to-train CBTC system, allowing for higher capacity on all lines and 4 new Metropolis trains**
- **Includes option of 12 more trains**

**4 February 2022** – Alstom, global leader in smart and sustainable mobility, has won a €156 million turnkey contract in Italy with Infra.To, owned by the city of Turin and one of Europe's largest public companies, to supply its latest generation of fully driverless train-to-train CBTC<sup>1</sup> system for line 1 of Turin Metro along with four new Metropolis trains. The contract includes an option for twelve more Metropolis trains.

Alstom will oversee the development, delivery, installation, testing and commissioning of its CBTC solution to replace the current signalling system both on the existing line and aboard the trains of line 1 along the newly built extension, Fermi-Cascine Vica. The option also includes the introduction of the signalling system in the new depot under construction.

The signature of the contract was celebrated at Palazzo Civico of Turin in the presence of the Mayor of Turin, Stefano Lo Russo, the Councillor for Transport, Infrastructure and Mobility of Turin, Chiara Foglietta, the Chief Executive of Infra.To, Massimiliano Cudia and the General Manager of Alstom Italia and President and CEO of Alstom Ferroviaria, Michele Viale.

"We are very proud of this agreement signed with Infra.To, which further confirms Alstom's expertise in urban mobility. We are pleased to help give new impetus to local mobility in Turin with our new environmentally friendly Metropolis trains. The metros will also be equipped with Alstom's innovative CBTC solution, which allows for fully automated operation, thus allowing higher capacity on all lines," explained Michele Viale.

Line 1 of the Turin Metro is currently 15.1 kilometres long. Upon completion of the section under construction, it will reach 18.5 kilometres. The Turin Metro represents a core element of the improvement program put in place by the City of Turin to upgrade public transport infrastructure. The system connects Fermi (in Collegno) to Piazza Bengasi with the route passing through the heart of the city via the stations of Porta Nuova and Porta Susa.

The new Metropolis trains will have a total capacity of 320 passengers, who will benefit from greater comfort, as well as improved accessibility and passenger flow thanks to the presence of walkthrough gangways between carriages. Passenger information will be enhanced by multimedia displays and screens. The metros will be equipped with dedicated areas for people with reduced mobility and an integrated video protection system will contribute to the safety of passengers on board.

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<sup>1</sup> Communications-Based Train Control

With flexible configurations, Alstom's Metropolis metro trains have served the different needs of customers worldwide for over 20 years. From small to large gauge profiles, 2-to-9-car configurations, different voltage systems, steel or tyre wheels, fully automated or manually operated and individual interior designs, the trains can be adapted to existing infrastructure and multiple capacity needs. Metropolis metros feature low noise levels, high recyclability, and optimised energy efficiency to minimise environmental impact. Over 30 cities have ordered or are operating Metropolis trains, including Amsterdam, Singapore, Panama City, Barcelona, Paris, Riyadh, Dubai, Sydney and Montreal.

CBTC is an automation system capable of carrying out remote operational functions, safely monitoring the train running by controlling the train traction and braking systems, to manage the circulation of the undergrounds automatically, with different levels of automation. The solution for Turin's Line 1 is based on the latest generation, fully driverless train-to-train CBTC (GOA4<sup>2</sup>). With over 30 years' expertise in CBTC and over 160 metro lines equipped in over 25 countries, Alstom is known as a global leader in the mass transit market.

With over 50 years' experience and 80 systems in commercial service worldwide, Alstom is a trusted partner to deliver integrated turnkey rail systems customised for every mobility need.

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## **Alstom**

Leading societies to a low carbon future, Alstom develops and markets mobility solutions that provide the sustainable foundations for the future of transportation. Alstom's product portfolio ranges from high-speed trains, metros, monorails and trams, to integrated systems, customised services, infrastructure, signalling, and digital mobility solutions. Alstom has 150,000 vehicles in commercial service worldwide. With Bombardier Transportation joining Alstom on January 29, 2021, the enlarged Group's combined proforma revenue amounts to €14 billion for the 12-month period ended March 31, 2021. Headquartered in France, Alstom is now present in 70 countries and employs more than 70,000 people. [www.alstom.com](http://www.alstom.com)

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<sup>2</sup> Automation Grade 4