

Alstom will provide maintenance for Line 2 of the Panama Metro

- **Alstom will provide maintenance to 21 Metropolis trains, traction substations and signalling**
- **The work starts immediately and will last 3 years**



November 23, 2022 – Alstom, global leader in smart and sustainable mobility, has signed a new maintenance contract with the Panama Metro (MPSA), and includes preventive and corrective maintenance of the rolling stock, signalling and power supply system of Line 2 of the Panama Metro. The 21 km viaduct line with the capacity to transport 16,000 passengers per hour in each direction and designed for a horizon-year capacity of more than 40,000 passengers per hour in one direction, has been operating successfully since April 2019, during which time Alstom has also provided maintenance services.

Under the terms of the contract, work already began and will last three years. The services will be managed mainly with Panamanian technicians and specialists, all contracted, prepared and trained by Alstom.

The contract includes maintenance of 21 Alstom Metropolis trains, covering the overhaul of the bogies, the brake system, the coupling system and the pantographs. This maintenance work will help improve the performance and extend the useful life of the trains, guaranteeing the quality of service and their safety.

Alstom will also oversee the maintenance of the Urbalis communications based train control (CBTC) signalling system, a proven and reliable train control system based on radio communication. The Urbalis solution allows for precise control of the train route to manage traffic efficiently and safely, and for 90-second headways between trains on Line 2, thus increasing the capacity of the system.

The contract also includes maintenance service of the traction and auxiliary substations, and the Hesop power system, an Alstom reversible substation solution that allows for the recovery and transfer of more than 99% of the energy generated by the braking of trains for re-use in the electrical network of the stations for services such as escalators, lighting and ventilation.

“With this new maintenance contract, Alstom reinforces its presence and commitment to Panama by providing quality services that contribute to the improvement of the country’s rail infrastructure and logistics,” said Iván Moncayo, General Director of Alstom Panama, adding *“At Alstom we are proud and grateful to Panama Metro for having selected us to provide maintenance services for Line 2, a service that we will provide based on our technological leadership and world-class experience, which allow us to guarantee a reliable and safe operation for the comfort and convenience of Metro users.”*

Alstom has been present in Panama actively, contributing to the development of urban transport in the country since 2010. During this time, Alstom has signed different transport contracts, such as the development, construction and implementation of the integrated rails systems for Lines 1 and 2 of the Panama Metro, and maintenance of Line 1 of the metro, which includes an innovative train driving simulator.

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About Alstom Leading societies toward a low-carbon future, Alstom develops and markets mobility solutions that provide the sustainable foundation for the future of transportation. Alstom's product portfolio ranges from high-speed trains, metros, monorails, trams and electric buses to integrated systems, customized services, infrastructure, signaling and digital mobility solutions. With the addition of Bombardier to Alstom in January 2021, the combined proforma revenue of the expanded Group amounts to € 15.7 billion for the 12-month period ended March 31, 2021. Based in France. Alstom is present in 70 countries and has 75,000 employees. www.alstom.com

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