

Alstom is the market leader in railway infrastructure projects. Our client portfolio includes the most relevant operators of passenger transport systems in the country: STC Metro and STEDF in Mexico City, SITEUR in Guadalajara and Metrorrey in Monterrey. Similarly, Alstom has relationships with the main freight train operators in Mexico, including Ferromex, Ferrosur, KCSM and Ferrovialle.

With operations in Mexico since **1952**, Alstom has supplied, since **1968**, the signaling of all the STC metro lines, **75%** of the rolling stock in the country, **90%** of the electrical substations, as well as the CBTC system and control center for the latest line on the network. Alstom has also modernized more than **850** metro cars, part of which is under construction.



KEY FIGURES

- 13** Sites
- 1** Plant
- 1550** Employees
- 59** Years of presence in Mexico
- 18** Metropolis Train for the GDL Metro
- 33%** From the Alstom external locomotive fleet service in the country

TURNKEY PROJECTS

- Contract to execute the electromechanical works of line 12 (~ 25km) Tláhuac-Mixcoac of the Collective Transportation System (Metro) in consortium with ICA / CARSO. Alstom's scope: Electromechanical works, excluding track and civil works.

TRACK MAINTENANCE

- Alstom provided a comprehensive maintenance service for 578 km of the "N" Line, located between Celaya, Guanajuato and the Lázaro Cárdenas Port, Michoacán, for KCSM.
- Comprehensive maintenance of 660 km of track (main and secondary) at the FERROVALLE Terminal for 11 years, including additional rehabilitation works and construction of a new track.

SIGNALING SYSTEMS

- Alstom has provided 100% of the signaling systems for the Mexico City Metro: Lines 1 to 9, Line A, Line B and Line 12 (CBTC). Alstom has supplied rolling stock for the Mexico City metro: MP68, NM73, NM79, MP82, NC82, NM83, FM86, FM95, and NM02.

MAINTENANCE OF LOCOMOTIVES

- Alstom provides full maintenance to more than 370 freight locomotives for Ferrosur / Ferromex.
- Alstom provided full maintenance to more than 150 KCSM locomotives

MAIN REFERENCES

Projects executed in the last 10 years

- **Guadalajara metro Line 3:** Alstom, in association with CPVM, an OHL group company, supplied the complete turnkey system for line 3 of the Guadalajara metro: 18 Metropolis trains, the communication systems, the high-voltage and traction substations and the CBTC Urbalis 400 communication-based train control system.
- **Modernization of the MP68 and NM73 fleets:** Modernization of the traction-braking system, cabin and passenger door system and air compressor systems for 85 trains (MP68 and NM73 fleet). Alstom is in charge of maintaining these systems until 2024.
- **Urban Electric Train System (SITEUR):** In late 2017, still as Bombardier Transportation, the company completed the delivery of 12 two-car light rail vehicles model TEG-15 to the Urban Electric Train System (SITEUR). Trains offer passenger service in Guadalajara. Each carbon steel articulated vehicle is 29.56 m long, with capacity for 48 seated passengers and more than 250 standing passengers. Vehicles can circulate at a maximum speed of 80 km/h.
- **International presence:** Sub-assemblies and larger assemblies have been manufactured at the Ciudad Sahagún plant for trains in New York, Edmonton, Toronto, and Beijing; likewise, trains have been manufactured for Kuala Lumpur, Riyadh and San Francisco.



PROJECTS IN PROGRESS

Mayan Train



- The consortium made up of Alstom Transport Mexico, Bombardier Transportation Mexico, Gami Ingeniería e Instalaciones and Construcciones Urales will manufacture the Mexican Mayan Train. 42 trains will be manufactured at the Ciudad Sahagún plant; installation of ETCS technology on board and more than 1,500 km of track equipment.

Monterrey Line 3



- Alstom's scope includes the power supply systems, catenary, SCADA and concrete track of Monterrey line 3 (7.5 km) and interconnection with the 2 existing lines in Monterrey and Nicolás de los Garza, Nuevo León.

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