

Alstom has been present in Chile for 70 years, participating in the development of the country's infrastructure, contributing to social progress and respecting the environment. Its contribution as the main supplier of Santiago Metro and Valparaíso Metro is proven by the complete range of innovative products and services. Economic development has increased the need for urban, interurban and freight rail transport infrastructure. Alstom has expertise in all three areas and its commitment is to contribute to improving the quality of life and safety.



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FOR 70 YEARS.**

428 employees

7 Sites and Depots



## REGIONAL TRAINS

- Nos-express service, with 16 modular trains of 2 new cars, delivered by Alstom together with a full maintenance contract for 30 years and 6 more trains to be delivered in 2022. Valparaíso - Limache service with 35 trains of 2 cars, delivered by Alstom together with a full maintenance contract for 28 years.



## SIGNALING

- CBTC (Communications-Based Train Control) for Line 1 of Santiago Metro.
- SACEM (Automatic Train Control System) for Lines 1, 2 and 5 and the Urbalis 200 system for Line 4 of Santiago Metro.
- Signaling equipment and gearbox motors for Lines 1, 2, 4 and 5 and their extensions.
- Power delivery for the extensions of Lines 1 and 5.
- Train tracks for the extension of Lines 2 and 5.
- Iconis train control system, CMT-MUX signaling system and power for the railway network (Valparaíso Metro).
- ERTMS signaling equipment for Santiago-Nos.
- Signaling equipment for Codelco El Teniente.



## MAINTENANCE

- Different maintenance contracts in NS93, AS02, NS04 and NS16 fleets of the Santiago Metro.
- Signaling and rolling stock maintenance contracts with Valparaíso Metro and Tren Central.

## MAIN REFERENCES

- **Santiago Metro:** The most modern and extensive metro system in South America, with 6 lines, 136 stations, 140 kilometers of tracks. Today, more than 80% of the cars have been supplied by Alstom (245 NS74, 236 NS93, 216 AS02, 85 NS04 and 245 NS16 Metropolis cars). In addition, Alstom has several signaling and maintenance contracts.
- **Valparaíso Metro:** Subsidiary company of EFE. Suburban service consisting of 43 km and 22 stations between the cities of Valparaíso and Limache. The entire current fleet, consisting of 35 X'Trapolis trains and 2-car modular trains, was delivered and is being maintained by Alstom, as well as the signaling system.



- **Empresa de Ferrocarriles del Estado (EFE):** Chilean public railway company. It owns a 2,083 km network in which suburban services play a major role. Among these services, Rancagua Express and Nos Express is the most modern suburban train service in Chile, operating with 16 modular trains with 2 new cars, delivered by Alstom together with a full maintenance contract for 30 years. It will be complemented with the delivery of 6 additional trains in 2022. The signaling system, the first ERTMS system in Chile, was also supplied and is being maintained by Alstom.

## PROJECTS IN DEVELOPMENT

Main projects currently underway in Chile:



- **Santiago Metro:** supply and delivery of new NS16 trains (245 trains) to replace the NS74 fleet/Extension of Line 2 to San Bernardo; Signaling Systems and SACEM/Motors for change machines Lines 1, 2 and 5.
- **Valparaíso Metro:** maintenance of the signaling system (2020) and maintenance of 70 X'Trapolis cars.
- **EFE:** Supply and maintenance of 22 trains for the new "Rancagua Express" suburban service / Complete maintenance of 32 X'Trapolis modular cars (2047), maintenance of the ERTMS signaling system.

### FOR MORE INFORMATION:

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