

Present in Chile for **70 years**, Alstom has been participating in the development of the country's infrastructure, contributing to the social progress and respecting the environment.

Dedicated to the **rail transport sector**, its contribution as the **main supplier** of Metro de Santiago and the modern regional Metro de Valparaíso is attested through the complete range innovative of products and services delivered.

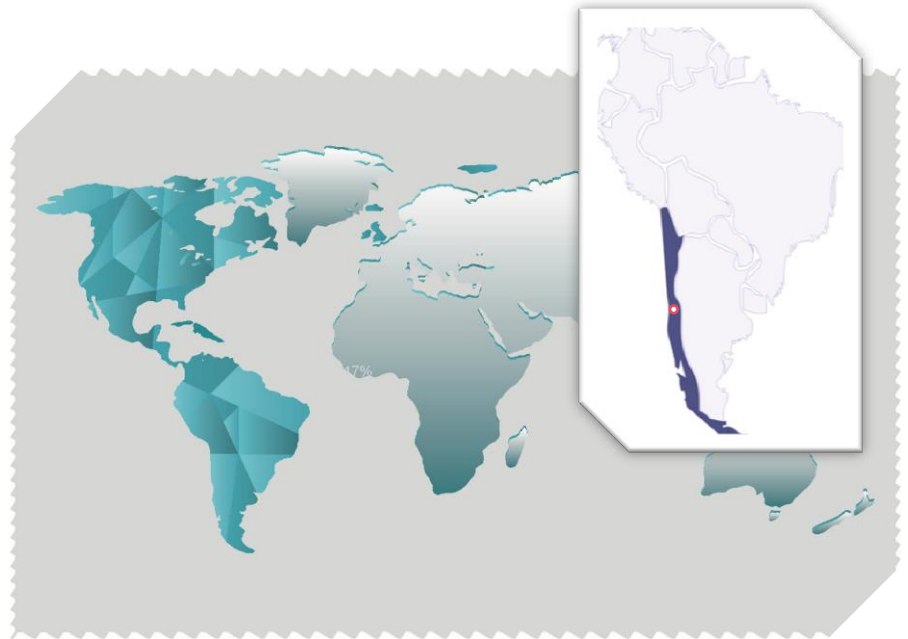
Chile's economic development in the last two decades has increased the need for urban, interurban and cargo rail transport infrastructure. Alstom has the expertise in these three areas and its commitment is to contribute to the enhancement of life quality and people's safety.

KEY FIGURES

Almost 400 employees

6 operational workshops:

- **Las Condes:** Country Head Office
- **Puente Alto:** Maintenance of AS02 trains for Line 4 of Santiago Metro
- **Neptuno:** Maintenance of NS04 trains, Transport Information Solutions Center; Signalling NS1 & SACEM to CBTC, IGBT installations in NS93 of Line 1 fleet, NS16 245 new cars fitting and T&C
- **San Eugenio:** Full maintenance of X'Trapolis Modular trains for Rancagua Xpress
- **Lo Ovalle:** maintenance of NS04 trains
- **Limache:** maintenance of Signalling and X'Trapolis and X'Trapolis Modular cars for Merval



Passenger Transportation References

- **Metro de Santiago:** South America's most modern and extensive metro system with 4 lines, 108 stations, 103 kilometers of track. Two new lines are currently under construction and will be commissioned in 2017 and 2018 respectively. Today it transports more than 2.4 million passengers per day through 1,093 cars, of which 72% have been provided by Alstom (245 NS74, 236 NS93, 216 AS02 and 85 NS04 Metropolis cars). Additionally, Alstom has provided:
 - CBTC (Communication Base Train Control) for Line 1, SACEM (Train Control Automatic System) for Lines 1, 2 and 5 and Urbalis 200 system for Line 4;
 - Signage and interlocking equipments for Lines 1, 2, 4 and 5;
 - Railroad track for extensions of Lines 2 and 5;
 - Power supply for Lines 1 and Line 5 extension and HVAC in NS93 fleet in Line 1;
 - Different maintenance contracts (preventive, corrective, overhauls, spares) on fleets NS93, AS02 and NS04.
- **Metro de Valparaíso:** Subsidiary of EFE. Suburban service consisting of 43 km and 22 stations between the cities of Valparaíso and Limache. Today it transports more than 21 million passengers per year through 27 X'Trapolis and 8 X'Trapolis Modular 2-cars trains provided by Alstom. Additionally, Alstom has provided:
 - Iconis train control system, CMT-MUX signalling system and interlockings and Power supply for the railroad network;
 - Maintenance contracts of signalling and rolling stock.
- **Empresa de Ferrocarriles del Estado (EFE):** Chilean public railway company. Owns 2,083kms railway network over which suburban services play a main role. Among these services, Rancagua Express and NOS Express will soon become the most modern suburban service in Chile, operating with brand new 16 X'Trapolis Modular 2-cars trains provided by Alstom together with a full maintenance contract for 30 years.

PROJECTS ONGOING

▪ Metro de Santiago:

- NS16 new trains provision & maintenance: 245 new stainless steel trains manufactured in Lapa (Brazil) and assembled in Chile to replace NS74 fleet;
- Full maintenance of CBTC in Line 1 (2018);
- Full maintenance of AS02 fleet of Line 4 (2019);
- Full maintenance of NS04 fleet of Line 2 (2019);
- Migration of traction system from GTO to IGBT panels in NS93 fleet (2020).

▪ Metro de Valparaíso:

- Full maintenance of signalling system (2020);
- Full maintenance of 54 X'Trapolis cars and 16 X'Trapolis Modular cars (2035).

▪ Empresa de Ferrocarriles del Estado (EFE):

- Supply and maintenance of 16 trains for the new suburban service "Rancagua Express";
- Full maintenance of 32 X'Trapolis Modular cars (2047).



CORPORATE SOCIAL RESPONSIBILITY

People, sustainability and the environment are at the heart of Alstom's business, and pledged its commitment to limiting the impact its activities have.

Everywhere Alstom is located, it will work with local communities and collaborate with partners on sustainable development projects focused on tomorrow's technologies, training, job creation and environmental preservation.



Check our projects on
Alstom Foundation website:
<http://www.alstom.com/pt/foundation/>

Recent projects (2013-2014):

- **Alstom Foundation projects:** Recovery of more than 3,800 m² area, transforming them into green areas, playgrounds and sports facilities in the commune of Lo Prado, where a Metro of Santiago workshop is based.
- **Bicycling with Alstom:** Donation of more than 350 bicycles to Alstom employees, as part of the campaign. The new bike owner committed to promote a healthy life style and caring about the environment.

