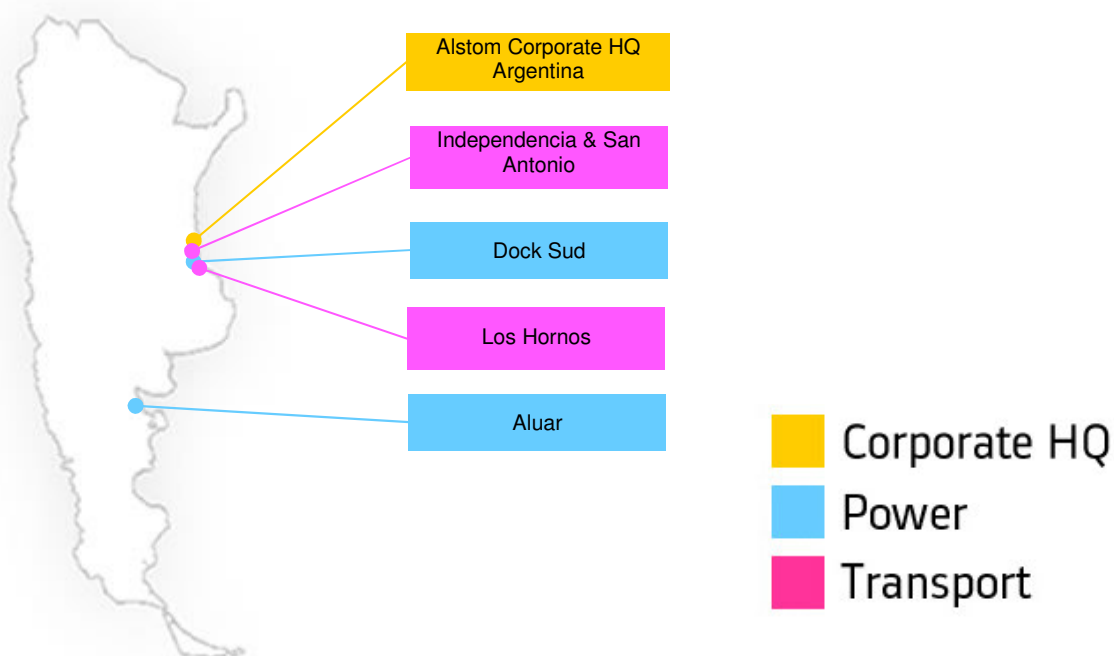


## Alstom in Argentina

Over 50 years of presence in Argentina



### Alstom Presence in Argentina



#### KEY FACTS AND FIGURES

5 units installed in the country and

- Alstom Argentina – Head office and sales offices for all sectors (Power, Transport and Grid)
- Independencia & San Antonio – Rail signalling
- Dock Sud – Thermal services at client's installations
- Los Hornos – Rolling stock and services
- Aluar – Thermal services at client's installations.

Over 150 employees

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### History

- 1957:** First contract for the supply of 25 electric diesel locomotives to the state-owned rail transport company, which were assigned to Line Roca.
- 1978:** Gec Alsthom-Cogelex contract for the supply of Transmission and Distribution equipment to Salto Grande.
- 1980:** Socarden becomes a commercial representative of Gec Alsthom for Electric (not Hydro) Power Plants and Transmission and Distribution companies
- 1980:** Neyrpc continues as the commercial representative for the Hydro and Transport activities
- 1993:** Foundation of Gec Alsthom Internacional de Argentina S.A.
- 1993:** Through the acquisition of Camsa S.A. (a Schlumberger company), the Protection and Control Business was installed in the country with industrial presence
- 1997:** Maintenance contract for Line D of the metro and Premetro for the Transport sector.
- 1997:** Establishment of Gec Alsthom S.A., regrouping different sectors and business units.
- 1998:** Change of name to Alstom Argentina, and incorporation of other business units.
- 1999:** Celebration of the contract for the supply of 80 cars for the Buenos Aires metro.
- 2001:** Opening of a Transmission and Distribution industrial complex in Tortuguitas, in Gran Buenos Aires.
- 2003:** Reopening of the Los Hornos workshop, in the city of La Plata, for Transport activities.
- 2005:** Alstom wins the extension of an old Aluar project for another combined cycle power plant.
- 2010:** Alstom acquires the transmission activities of Areva T&D, forming the new Alstom Grid sector

### Corporate Social Responsibility

**2008: Alstom Foundation: Environmental Awareness Program:** Green Helmets is an organization dedicated to raising environmental awareness through the implementation of social inclusion programs. The main purpose of the organization is to educate young people with intellectual disabilities on environmental preservation, to qualify them to become environmental educators. These activities were carried out at the UCA (Argentina Catholic University). Once qualified as environmental educators, they visited the schools with the members of the team to educate students on environmental matters.

**Solidary Train:** support to this initiative of Rieles magazine, which involves organizing, three times a year, the solidarity campaign, with food and resources donated to social institutions that help underprivileged people in different cities of the country. For such, a special train is used, to reach villages that no longer rely on regular rail services.

**Garrahan Foundation:** All installations of Alstom Argentina collect used paper and plastic lids for the recycling program of Hospital Garrahan Foundation.

**Green Helment Waste Recycling Project:** Carry out a waste recycling campaign and reduce waste to 280 tons a year. Rely on 32 "environmental educators" (32 people with disabilities trained by Alstom in 2008), teach 26,000 children in 100 schools to sort their waste. Support waste collection cooperatives, offering training and more resources, to collect and recycle waste.

**Escolares en Vera Project:** Supported by volunteers, remodel 3 buildings (school, community center and orphanage for people with disabilities). Qualify teachers and staff from the support center. Develop a drip irrigation system for the school property/reforestation areas.

### Awards and Certification

Alstom "Argentina", September 2011

Juliana Souza

Juliana.souza@crn.alstom.com

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### AWARDS

**Transport:** ISO 9001-2000 TIS certification

## Power – References and Ongoing Projects

### References

- **San Miguel de Tucumán (phase II):** Combined Cycle Power Plant, 382 MW, for Pluspetrol, in Bracho, Tucumán province
- **Dock Sud:** Combined Cycle Power Plant, 775 MW, for Repsol/Endesa/PanAmerican, in Avellaneda, Buenos Aires province
- **Aluar I:** Combined Cycle Power Plant, 120 MW, in Puerto Madryn, Chubut province
- **Aluar:** Two 40 MW turbines in open cycle
- **Aluar (extension II):** Combined Cycle Power Plant, 465 MW
- **Aluar:** Gas treatment plant for the extension of Aluar plant
- **Siderar:** Environmental control system for sintering
- **Alto Paraná:** Environmental control systems
- **Güemes Thermal Power Plant, Central Puerto:** Services and equipment
- **Costa Power Plants, Celulosa Argentina:** Services and equipment

### Ongoing projects

- **Dock Sud:** 12-year contract for the operation and maintenance of the thermal power plant
- **Aluar:** 10-year contract for the operation and maintenance of the thermal power plant

## Grid – References and Ongoing Projects

### References

- **Transener:** Supply of 5 283MVA power transformers, 500 kV to E.T. Ezeiza. Supply of high voltage HV equipment, such as: CBR (switches), (ITR) instrument transformers, (DSC) disconnectors Project NOA-NEA: Supply of HV (high voltage) equipment to INTESAR / TEYMA– 27 disconnectors + 4 40 MVAr Power Reactors + 1 800 ohms Neutral Reactor + Spare Parts + 28 CTH 550 Instrument Transformers +Commissioning
- **Proyecto Aluar:** 36 132kV GIS bays + Rectification electrolytic cells A, B & D – Turnkey Project
- **Atucha II:** Supply of HV equipment for the new Atucha substation: 500kV instrument transformers, 500kV disconnectors, 500kV power transformers, 500kV switches + Services Edenor: 132kVGIS + 200 132/220kV disconnectors
- **Edesur:** 132/220kV GIS
- **Puerto Madryn - Pico Truncado:** HV equipment - 500kV to INTESAR
- **Tabacal:** AIS 132kV substation
- **Comahue Cuyo to Ocasá:** Supply of 500kV reactors + 500kV switches + 500kV disconnectors + services
- **Comahue Cuyo to Distrocuyo:** Supply of 500kV and 132kV switches + 500 kV and 220kV disconnectors + Services
- **Tablada Project:** 132kV GIS

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### Ongoing projects

- **CT Ensenada Barragán to UTE Iecsa/Isolux:** Supply of 220kV elevator transformers + HV equipment (switches, disconnectors and instrument transformers) + Services
- **CT Brigadier López to Isolux:** Supply of 132kV elevator transformers + Services
- **CT Río Turbio to Isolux:** Supply of 220 kV elevator transformers + 220kV GIS
- **Cementos Iguazú to Loma Negra:** Supply of 220kV HV equipment packages (switches, disconnectors and instrument transformers)
- **Salto Grande:** 14 GCB replacement (generator switches) – 5 pieces have been delivered and the contract extends until 2014.

## Transport – References and Ongoing Projects

### References

- Maintenance of Line D and the Premetro fleet of the Buenos Aires metro network to Metrovías, from 1997 to 2004
- Repair of cars and locomotives for cargo and passenger transport operators
- Renovation of the signaling system for lines A, B, C, D, E of the Buenos Aires metro. Installation of an ATP (Automatic Train Protection) system, an Operational Control Center for traffic management, power system and auxiliary services
- Supply of 96 Metropolis trains to the Buenos Aires metro network
- Participation in the experimental project of Tranvía del Este: engineering, commissioning and maintenance of a Citadis tram line for the prototype in Puerto Madero. Supply of equipment for the centenary railroad

### Ongoing projects

- New signaling system for the extension of Line A of the Buenos Aires metro
- New signaling system for the extension of Line B of the city's network
- Renovation and rehabilitation of 36 used metro cars
- Supply of 18 additional Metropolis cars for the Buenos Aires metro