Alstom in Mexico

Over 100 years of contribution to Mexico’s infrastructure

KEY INFORMATION

- Alstom Offices in Mexico City
- Present in 6 customer workshops
- 620 Employees
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References and Ongoing Projects

Alstom Transport has been present in Mexico since 1967, when the first metro line was built. Alstom is a leader in infrastructure for the Metro of Mexico City, having provided the signalling system, including line 12. Alstom has supplied more than eighty trains for the Metro of Mexico City since 1968 and over 40% of trains are equipped with Alstom traction systems. Alstom is the leading provider of rectifying substations for the subway system.

Alstom maintains tracks and locomotives for the main cargo operators in Mexico. It supplied the Traffic Control Center in Guadalajara and is currently conducting a series of long-term locomotive maintenance contracts for Ferromex, Ferrosur and Ferrovalle.

Highlights:

- Alstom has supplied 100% of the signalling systems for the Mexico City Metro: line 1 to line 9, line A and line B, line 12
- 2008 - Full maintenance of over 150 locomotives for more than ten years with Kansas City Southern Mexico.
- 2008 - Full Maintenance of over 50 locomotives for more than eight years with Ferrosur / Ferromex Locomotives.
- 2008 - Line 12 of the Mexico City. Key project in a consortium with companies ICA and Carso.
- 2013 - Line 3 of Metrorrey for infrastructure in Monterrey City in consortium with Constructora Garza Ponce and Moyeda construction companies.
- 2014 - Modernization of propulsion system and overhaul of passenger doors and air compressor systems for 85 trains (MP68/NM73 fleet), in addition 7 years of maintenance on average
- 2014 - New metro line 3 in Guadalajara City, scope infrastructure and RS, in consortium with CPVM.
- 2014 - Renovation for the next 5 years full maintenance for more than 150 Ferrosur locomotives.

History

1905 - First sale of transmission products recorded in Mexico.
1957 - Incorporation of AEG Electric Mexicana, SA (later became Alstom T&D, S.A. de C.V.)
1967 - Train supply contract with rubber tires for Metro Line 1 of Mexico City.
1969 - Inauguration of Line 1 of Mexico City Subway.
1970 - Supply of Signalling Systems for line 2 and start of construction of Line 3 of Mexico City Subway.
1977 - Manufacture, assembly, testing and commissioning of the first high voltage equipment by AEG Mexicana, S.A. de C.V.
1980 - Incorporation of TURALMEX with the merger of Nacional Financiera (NAFINSA) and B.B.C. BROWN, BOVERI & COMPANY, LIMITED (BBC). BBC sells its shares to NAFINSA before starting operations from 1983.
1982 - Lines 4 and 5 of the Mexico City Subway are in operation. Alstom supplies rolling stock and signaling.
1987 - Alstom was chosen from ABB, MHI and Siemens to form a partnership with NAFINSA: Alstom (49%) and NAFINSA (51%).
1988 - Orders received from the Federal Electricity Commission for two 350 MW equipment for units 3 and 4 of the Coal Power Plant II in Coahuila.
1989-94 - Signalling lines 8, 9 and A (running steel wheels) Mexico City Subway.
1991 - First contract to build a key power plant in Tuxpan, Units 3 and 4.
1993 - First refurbishing contract signed by the Mexico City Subway for 25 trains with rubber tires.
1994 - Start of Turnkey Projects for Power Substations for AEG Mexicana, S.A. de C.V.
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1995  Design, propulsion and information systems for thirteen trains with steel wheels FM95A for the Mexico City Subway.
1996  Modernization of thirty trains with rubber tires (MP68) for the Metro of Mexico City.
1998  First Rail Service for private locomotives.
       AEG Mexicana, S.A. de C.V. changed its name to ALSTOM T&D, S.A. de C.V.
       ALSTOM T&D, S.A. de C.V. undertakes the business of CEGELEC and merges with GEC Alstom T&D Balteau, S.A. de C.V.
1999  Alstom T&D, S.A. de C.V. merges with GEC Alstom T&D Elnex, S.A. de C.V.
2000  Alstom buys the shares of ABB to create Alstom Power México, S.A. de C.V.
2004  Alstom T&D, S.A de C.V. converts into Areva T&D, S.A. de C.V.
2006  All corporations in Mexico merge to become Alstom Mexicana, S.A. de C.V.
2007  Modernization and maintenance contract of 25 trains with rubber tires MP82.
2008  First turnkey project to build the infrastructure of line 12 of Mexico City subway.
2010  Purchase of Areva T&D Energy Transmission Power Line Division and New Division of Alstom: Alstom Grid.
2012  Entry into service of the first air pollution control system.
2013  First contract of wind power signed in Mexico.
2013  First contract in Metrorrey system, infrastructure of new line 3
2014  Alstom received the “Recognition of Social Responsibility” (ESR)
2014  First contract in Guadalajara city (SITEUR System) new metro line 3, infrastructure and Rolling Stock.
       December 19 - Alstom Shareholders Meeting authorises the sale of the Alstom Energy businesses to General Electric.
2015  Alstom finalises the sales of its energy activities and is entirely focused on Transport

Corporate Social Responsibility

EJUTLA, OAXACA
2009 – The purpose of this project was the supply of electricity to Ejutla Community in the State of Oaxaca. Once hybrid power generation systems of 500 watts (wind and solar) were built in partnership with Group to Promote Education and Sustainable Development, AC (GRUPEDSAC) to supply power to 23 families in the area. The training courses were also taught to replicate these systems.

CERRO ALTO, VERACRUZ
2010 – The objective of this project was to help preserve and maintain the biodiversity of the central coastal area of Veracruz, one of the most important migratory routes in the world for birds of prey, used by more than 4.5 million migratory birds each season. In partnership with Pronatura, AC, 186-hectare nature reserve of Cerro Alto Gallegos is retained thus ensuring a second year of nesting. An area of local flora and environmental education centre is also provided.

LOS PRADOS DE VALLE JANOS, CHIHUAHUA.
2010 – The purpose of this project was to promote green technology, sustainable farming (reintroducing bison) and environmental awareness in Meadows Valley Janos, Chihuahua. In partnership with The Nature Conservancy green technology centre was created and education programs on ecosystems and species conservation programs providing education on ecosystems and the conservation of local species are also provided. Twenty-three bison were reintroduced to the reserve and there are now thirty-one.

LA PATRONA, VERACRUZ
2011 – The purpose of the project was to promote eco-art and to provide training in nutrition in order to improve the quality of life of the local community through the proper use of the land, and achieving self-sufficiency in food and economy. Initially, twenty families have benefited from the
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project and there are plans to extend it to the whole community of La Patrona, Veracruz. In partnership with GRUPEDSAC, two stoves (wood) “Patsari” have been built using ferrocement, and a water tank, gardens, bedrooms and a multifunctional hall.

EL ORO, MEXICO STATE

2012/2013 – Establish a participative action plan for the conservation of the species Ambystoma Granulosum Brockman Dam (El Oro, Mexico State), by creating strategies that can preserve this species, together with the activities of the environmental community that will improve the quality of life. The project was launched by GRUPEDSAC and researchers from the National University (UNAM).

Assistance project for the disaster of the Manuel Hurricane - rebuilding a school in the state of Guerrero

2014– Assistance following the damage caused by Hurricane Manuel in Coyuca of Benites, Guerrero. The Alstom Foundation worked to rebuild a school destroyed by Hurricane Manuel, creating an environmentally friendly building (incorporating ecological and sanitary solar panels) for daily use of over 100 students. The building will be located in a highly secure area, resistant to extreme weather events, and can become a shelter in case of a new natural disaster. For the project a reconstruction fund was created to unite the population and local businesses and implemented in a resource-efficient and transparent manner. The project will be conducted in conjunction with United Ways and Niños en Alegría, A.C.

Strengthening of Rural and Indigenous Communities to preserve the limits of Rio Papaloapan

2014– In the Tuxtepec area in Oaxaca, work in reforestation and forest conservation of the Papaloapan River Basin and its biodiversity through the proper management of resources, water and forest to ensure the sustainability of the project. This 390 hectares of forest will be redeemed, and will contribute to the conservation of the Papaloapan River Basin, which provides drinking water to 1.5 million people in Oaxaca, Veracruz and Puebla. This project will be conducted jointly with Ecologic Development Fund (USA) and The Regional Environmental Fund Chinantla Oaxaca (FARCO).

Sustainable Development of Water Resources in Tumbisca

2014– In Tumbisca, Michoacán, Alstom aims to contribute to the protection and improvement of the quality of water resources and the equitable distribution among users. The project will be conducted in conjunction with La Universidad Nacional Autónoma de México (UNAM) Fundación Gonzalo Río Arronte, El Programa de Conservación Comunitaria de la Biodiversidad (CONABIO), U.S. Fish and Wildlife Service and the City of Morelia.

RECOGNITION OF CORPORATE SOCIAL RESPONSIBILITY

Alstom was awarded the "Certificate of Corporate Social Responsibility" (ESR), granted by the Mexican Centre for Philanthropy (Cemefi) and the Mexican Alliance for Corporate Social Responsibility (AliaRSE). Such a distinction is awarded to companies in Mexico that promote and support principles related to the social responsibility of business as part of its strategy and business culture with respect to certain areas, such as quality of life within the organization, business ethics, management social responsibility, community outreach and the environment. The ESR distinction recognizes the culture and the view held by Alstom in Mexico to help improve the quality of life of families in the country through the actions and initiatives of social responsibility.
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Contact Information

General/product enquiries or requests for quotation, kindly contact the local office or visit [http://www.alstom.com/worldwide/](http://www.alstom.com/worldwide/)


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