
Latin America

A market in which Abengoa has been operating on a permanent basis for over thirty years through local companies which carry out all the business segment activities with operational autonomy, while applying the management standards implemented throughout Abengoa.



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Abengoa continued operations in Latin America in 2001, with particularly important projects in Brazil and Mexico.

Operating in Latin American countries through locally based companies enables Abengoa to participate in major projects and also offset the lack of big projects in some countries with more stable local activity.

Argentina

- Telefónica Argentina: external plant, fibre optics, new subscribers, public phone box maintenance, cleaning and coin collection.
- Edenor: distribution network repair and maintenance; laying of underground cable; high-voltage line maintenance.
- Cementos Avellaneda: construction of cement plant in San Jacinto, Olavarría.
- Edesur: exportation of PCB-contaminated transformers in the province of Buenos Aires and in the Federal Capital.
- IBM Argentina: exportation of PCB-contaminated capacitors in Martínez, Buenos Aires.
- Pacheco Plant: industrial waste incineration plant in Tigre, Buenos Aires.
- Campana Plant: industrial waste recovery, treatment, recycling and disposal plant in Campana, Buenos Aires.
- Maintenance operations for the traffic control systems in Rosario, Cordova, Buenos Aires and the motorway to the west

Chile

Completed projects:

- Tal Tal gas pipeline: 220 kV line 1 Atacama power station-new Antofagasta substation.
- Esedei Ingenieros: 100 kV lines for Transemel.
- Antofagasta Electricity Company: 110/23-13.8 kV substations in Antofagasta.



- Essel: drinking water supply to Machalí.
- Emos: Los Morros pumping station and sewerage system; drinking water supply to Huechún.

Projects in progress:

- Aguas Andinas: wastewater treatment plans in Buín, Paine, Linderos and Alto Jahuel (with Abensur).
- Telefónica CTC Chile: external plant, maintenance, technical assistance, telephone installations and network extensions in Santiago, Osorno and Puerto Montt.
- Maintenance of public telephones and coin collection in Region V.



Abengoa Chile achieved the rating "excellent" in the risk prevention programme audited and monitored by Mutual de Seguridad and came second in the construction category.



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Uruguay and Paraguay

Completed projects:

- Cías Salud, S.A.: extension of the Patricia brewery in Minas.
- Alstom: static frequency converter station and connection line in Rivera.
- Saduf: construction of new passenger terminal building in Montevideo.
- Uragua: water purification plant in Sarandí Grande, liquid waste treatment plant in Santa Lucía and the new trunk system to Piriápolis.

Projects in progress:

- Construction of new façade for Banco Hipotecario as part of the Fénix Plan.
- Treatment plant in José Pedro Varela.
- Temporary Consortium: electricity distribution and laying of fibre optic cabling.

Teyma Uruguay was the company that reported the highest turnover in the sector. It also became an ISO 14000 registered company for architectural works, the first company in Uruguay to obtain this certification.

Forestry services: activities in this sector continued through Pandelco, Euroforest and Cofusa.



Mexico

Completed projects:

- Mexican Federal Electricity Commission (CFE): design, supply, civil engineering construction and electromechanics for the Hermosillo CC and Hermosillo 4 substations in Sonora.



Projects in progress:

- Transmission line 406 Tuxpan II, III and IV substations in Veracruz, Puebla, Hidalgo and Mexico State.
- Ticul II-Sur Mérida transmission line in Yucatán.
- Northwest transmission lines 304: 507 km of 230 and 115 kV transmission lines in Baja California, Coahuila, Chihuahua and Sonora.
- Rosario and Monterrey transmission line in Baja California and Nuevo León.

New contracts:

- Northwest-North 404: 20 substations with varying voltages in various states.
- National System 410: 17 substations with varying voltages in various states.
- National System transmission lines 411: 637 km of 400, 230 and 138 kV lines in Chiapas, Oaxaca, Guanajuato and Mexico.



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- The plant that began operations at the end of 2000 has increased its production to 19,500 T, with contracts for lines and substations for Dinsa and Eléctricas de Medellín, Elecnor, Alstrom T&D, Abengoa México, Sade Skanska.

Peru

Completed projects:

- Redesur: delivery of the project to reinforce the southern electricity network, a concession awarded by the government of Peru to Redesur for thirty years.
- Ministry of Energy and Mining: Marcona-Bella Union line.
- Etecen: 200 kV coastal lines Paramongá-Chimbote, Chiclayo-Piura, Lima-Pisco, Zapallal-Paramongá.
- Nortel Networks: conditioning of Global Crossing's Telehouse.

Projects in progress:

- Egasa: supply and installation of substations in Chilina and Santuario.
- Electrocentro: rehabilitation of Huayucachi-Salesianos-Industrial Estate line.
- Duke Energy International: modernisation of Huallanca substation.
- Repsol YPF: remodelling of auxiliary substation I and Processes A at the La Pampilla Refinery.
- Minera Iscaycruz: civil engineering works, installation and testing for Iscaycruz substation.
- Enersur: rehabilitation work on the Ilo thermal power station in consortium with Cosapi.
- Telefónica del Perú: external plant construction and maintenance, cable television line installation and subscriber connections in Lima, Huacho, Tacna, Chimbote and Iquitos, through the Abecotel consortium.

Brazil

As a result of the capital expenditure programme to invest in new products and plant, Bargoa became the leading company in the manufacture and supply of components for the telecommunications sector in Brazil in 2001, achieving record sales and successfully



establishing a market presence in Argentina, Mexico and the US.

Completed projects:

- Interurban traffic control system for the Anchieta-Inmigrantes-Sao Paulo State motorways.
- Light train ticketing system in Belo Horizonte.

New contracts:

- Urban traffic control system in Belo Horizonte.

Completed projects:

- Copel: 525 kV substation in Cascavel and two 230 kV lines.
- Copel: extension work on Cascavel 230 kV substation, Guaría substation and construction of two new 230 kV lines.

Projects in progress:

- Ford: supplementary services at the Salvador de Bahía plant (Amazon Project).
- Aneel (National Electricity Agency): public service concession for the extension of the North-South interconnection (lines and substations).



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New contracts:

- Aneel: Xingó-Angelim 500 kV transmission line, Angelim-Campina Grande 230 kV transmission line and Angelim substation; successful bidder for Lot D in Aneel invitation to bid 003/2001.

Puerto Rico

Strengthening of the company's position to spearhead Abengoa's drive in the Caribbean to open up new markets in the Antilles area.



Ecuador

- Loja Municipality: work continued on the Loja Drinking Water Supply Master Plan.

Dominican Republic

- Urban traffic control system and variable message panel system in Santo Domingo.



Colombia

- Gas Natural: communications and remote control for the gas distribution network in Bogota.
- Electricaribe-Electrocosta: 21 distribution substation remote control stations.

