

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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The results achieved through permanent operations all over Latin America meant that this geographic area and business segment once again made an important contribution to Abengoa's overall EBITDA and profit figures in 2002, easily offsetting the effects of the deep recession experienced by the Southern Cone countries.

Befesa also continued to build up its market presence in the area in 2002, undertaking new activities in these countries in cooperation with locally based companies belonging to the Abengoa Group. An ongoing objective is the expansion of activities to other countries in the area, with a view to increasing the economic and financial stability of the Latin American business segment and therefore its ability to ride out the ups and downs of individual companies and countries, drawing on the flexible, mobile resource structures already existing in the region.

Teyma Abengoa (Argentina)

Customers and projects:

- Telefónica de Argentina: public phone box coin collection, cleaning; maintenance and technical maintenance of public and semi-public telephones.
- Cementos Avellaneda: new 3000 t/day production line at Avellaneda cement plant.
- Entidad Binacional Yaciretá: pumps, valves and other devices for fish transfer facilities at the Yaciretá hydroelectric power station.

The company's ER-028/2/96 quality certificate was renewed in June.

Borg Austral (Argentina)

Customers and projects:

- Repsol YPF: Ensenada refinery, province of Buenos Aires: sludge centrifuge at effluent treatment plant.
- Shell CAPSA: Dock Sud, province of Buenos Aires: industrial waste transportation and treatment service.
- ESEBA: La Plata, province of Buenos Aires: exportation of PCB-contaminated waste.
- Diners Club Argentina SACT: Martínez, province of Buenos Aires: exportation of PCB-contaminated waste.
- Automobile industry (Volkswagen, Ford, Toyota, Daimler-Chrysler, Peugeot-Citroën): permanent industrial waste treatment services.



- Rohm & Haas Argentina: Zárate, province of Buenos Aires: incineration of out-of-specification raw materials.
- Petrobras: Campana, province of Buenos Aires: final disposal of used catalysers and industrial waste treatment service.

The company passed the audit on its quality system according to standard ISO 9002 in September.

In 2002, the company was also granted new licences to operate in the areas of on-site centrifugal sludge separation and dewatering, industrial testing laboratory, recycling of metal and plastic drums and transportation of special waste. With the addition of these activities to existing ones, the company has succeeded in building up a wide field of operations.



Sainco Argentina

Maintenance operations for traffic control systems continued in Rosario, Cordoba, Buenos Aires and on the west link motorway.

Abengoa Chile

Customers and projects:

- Aguas Andinas: Buin-Paine wastewater treatment plant.
- Aguas Nuevo Sur del Maule, S.A.: Linares Refuerzos sewer system.
- Telefónica CTC Chile: outdoor plant, maintenance, technical assistance, installation, repair and coin collection in Santiago, Puerto Mont, Osorno and Region V.



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- Aguas Andinas: inspection, control and information services associated with commercial services. Replacement and installation of meters. Power distribution at Plata La Farfana.
- Endesa: Ralco-Charrúa 220 kV link, 140 km-long line interconnecting the Ralco power station and the Charrúa substation.
- HQI Transelec: Polpaico-Quillota 2 x 220 kV line. Extension of Ralco power station units.
- Celulosa Arauco: construction of two substations and Celulosa Valdivia interconnection line.



In 2002, Abengoa Chile's quality certificate was renewed according to standard ISO 9001:2000, including design. The company also passed the environmental management audit for certification according to standard ISO 14001:1996 and received an "excellent" rating in occupational health and safety.

Teyma Uruguay

Customers and projects:

- OSE: water treatment plants in Rivera, Tacuarembó, and extension of the Santa Lucía plant.
- BHU: residential building in Montevideo and • AEPSM: opening of three storeys of a clinic (18,000 m²).
- ANP: surfacing work at the port of Montevideo.
- MVOTMA: construction of over 400 dwellings.
- Eufores: civil engineering work at the chipping plant.
- Saduf: rail infrastructure.
- UTE: distribution and transmission works.
- BHU: construction of new facade for a bank and building containing 103 dwellings as part of the Fénix Plan.
- IMM: central well of the Solís Theatre and works under the Urban Sewer System Plan III.
- MVOTMA: residential buildings.
- IMDurazno: programme to integrate shanty towns.
- IMMaldonado: surfacing and kerbing work.
- UTE: fibre optic cabling.

- IMM: rehabilitation of collectors and collection of household waste in an area of Montevideo.
- IMRocha: storm sewers.
- OSE: sewer system in José Pedro Varela.

Issue/renewal of quality certificates:

1. ISO 9001 quality management certificate, valid until 2006.
2. ISO 14001 environmental management certificate, valid until April 2004 for residential construction.
3. Occupational health and safety management certificate according to standard UNIT 18001, valid until October 2005.

Awards

Teyma is the only construction company and, in fact, the only company in Uruguay that holds all three management system certificates: quality, environment and occupational health and safety. Teyma also won the National Quality Award in 2000, the only construction company to have received this distinction to date.

Abengoa México

Customers and projects:

- Federal Electricity Commission (CFE): S/E 404 Northwest-North: 20 substations; S/E 410.



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National system: 17 substations and S/E 411

National system: 637 km of lines in different states.

- Federal Electricity Commission (CFE): SE406 network associated with Tuxpan II, III and IV, two substations and two 342 km-long, 400 kV lines in the states of Veracruz, Puebla, Hidalgo and Mexico.
- Federal Electricity Commission (CFE): LT407 network associated with Altamira II, III and IV (phase 3), three 291 km-long, 400 kV lines in the states of San Luis Potosí, Zacatecas, Jalisco and Aguascalientes (in consortium with Elecnor).
- LT55 transmission network associated with Baja California Sur I coal power station: two 230 and 115 kV lines and two substations in the state of Baja California Sur (in consortium with Elecnor and Isolux).

The company's quality and environmental management certificates were renewed in accordance with standard ISO 9001.

Befesa México

The company Befesa México was set up and is currently starting up operations in the waste market.

Comemsa (Mexico)

Manufacture of towers and other metallic structures
The company has strengthened its market presence in Mexico, winning contracts for 25,000 t through Dineci, Elecnor, Sade, Cymi, Abengoa México and Siemens, among others. Its production process incorporates state-of-the-art technology, and it has modern facilities including a design office, a galvanising plant and a laboratory for mechanical and chemical testing.

It has been awarded ISO 9001:1994 certification by Bureau Veritas Quality International and has been qualified as a supplier to the Federal Electricity Commission (CFE) by Laboratorio de Pruebas y Equipos (Lapem).



Abengoa Perú

Customers and projects:

- Duke Energy International: modernisation of Huallanca substation.
- Enersur: rehabilitation of Ilo II thermal power station.
- Repsol YPF: remodelling of Auxiliar I and Procesos A substations at the La Pampilla refinery.
- Electrocentro: rehabilitation of Huayucachi-Salesianos-Industrial Estate 60 kV line.
- Minera Iscaycruz: civil engineering works, installation and testing for Iscaycruz substation (5,000 m above sea level).
- Egasa: supply and installation of Chilina and Santuario substations.
- Telefónica del Perú: external plant construction and maintenance, Cable Mágico cable network, fixed telephony installation and maintenance and public telephony works through the Abecotel consortium.
- CAASA: construction of the first phase of the secure disposal facility.



Abengoa Perú extended its AENOR ER 0619/1/96 certificate covering telecommunications, design, site management, installation, commissioning, maintenance and civil engineering for electromechanical installations.

The company Complejo Ambiental Andino, S.A. was set up to meet the needs of the waste market in this country.

Bargoa (Brazil)

Bargoa strengthened its position in 2002 as a leading company in the manufacture and supply of components for the telecommunication sector in



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Brazil, developing new products, investing in R&D and expanding its activities beyond its traditional market in South America to countries such as the United States, Mexico, Korea, Japan and the Arab States.

It has initiated efforts to diversify production with components for the automobile industry. The company's quality certificates were renewed by ABNT and Aenor.

Sainco Brasil

Customers and projects:

- Ecovia: interurban intelligent traffic system (ITS).
- Ecovia: maintenance of centralised traffic system in Rio de Janeiro.
- CBTV: urban traffic system in Bello Horizonte.
- Ecovia: traffic system and road safety and tunnel control system.

Abengoa Brasil/MTC Engenharia (Brazil)

Abengoa Brasil has become one of the leading companies in the transmission line concession market in Brazil, winning contracts for 987 km of 500 kV lines and 576 km of 230 kV lines for ANEEL (National Electricity Agency).

- ANEEL: project for 575 km of 500 kV lines for Samambaia-Itumbiara and Samambaia-Emborcação performed by the Expansión consortium (Abengoa, Elecnor, Cobra and Isolux) and completed ahead of schedule.
- Ford: electrical installations at its assembly plant.
- ETEP (Empresa Paranaense de Transmissão de Energia): protection and control system for Tucuruí and Vila do Conde substations.
- Aneel: Xingó-Angelim 500 kV transmission lines, Angelim-Campina Grande 230 kV line and S/E Angelim executed under a concession agreement by the Nordeste Transmisora de Energía Consortium (Abengoa and Dragados).
- Amper, CCO and Spic: technical consultancy services for the construction of 500 kV lines.

New contracts:

- Aneel: 390 km of 230 kV line for Uruguayana-Maçambará-Santo Angelo-Santa Rosa, under a concession agreement in consortium with Dragados.



- Aneel: 212 km of 500 kV line for Itumbiara-Marimbondo, under a concession agreement in consortium with Cobra, Elecnor and Isolux. In 2003 MTC plans to expand into environmental activities including industrial waste management and hydrocarbon and industrial cleanup.



Abengoa Puerto Rico

Taking advantage of its strategic location in the Caribbean, this company has spearheaded activities aimed at opening up new markets in the area.

Abengoa (Ecuador branch)

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

Sainco Tráfico República Dominicana

- The project for an urban traffic and variable message panel system in Santo Domingo was completed.

Sainco Abengoa (Colombia branch)

- Gas Natural: start-up of remote control system and gas distribution network communications system in Bogota.
- Electricaribe-Electrocosta: start-up of 33 distribution substation remote control stations.

