

Brazil

Telvent to supply the Control, Protection and Telecommunications System for a major Transmission Line in Brazil

Madrid, February 23, 2004 – Telvent, Abengoa's Information Technology subsidiary, will supply the Control and Telecommunications System for Eletronorte's electric Transmission Line, Coxipó-Jaurú, in Mato Grosso, Brazil. This project is included under the emergency investment plan which is being carried by the Federal Government of Brazil in order to boost the country's energy production. This plan was approved as part of the energy rationing program which supports the exporting of surplus energy in Mato Grosso to the rest of Brazil.

Eletronorte's area of coverage represents 58% of the entire national territory, including the states of Acre, Amapá, Amazonas, Maranhão, Mato Grosso, Pará, Rondônia, Roraima and Tocantins. The Mato Grosso system is part of a larger network that includes the south, southeast, and central-west areas of the country. Brazil possesses a tremendous hydroelectric potential, due to the extensive water resources that the country has, including an extensive number of large rivers. It is anticipated that hydroelectricity will become increasingly important in Brazil's overall energy distribution program, given the increasing demand of electric power, which will continue through the next decade.

The project being developed by Telvent includes a supervision, control and protection system, as well as a telecommunications system. Telvent will utilize updated technology tools to increase the current level of operational efficiency. In excess of 400,000 people benefited when these plants first began operations, which created 2,000 direct jobs during the construction work of the Transmission Line, Coxipó and Jaurú substations (expansion) and the Protection, Control and Telecommunication Systems.

The project covers the supervisory, control and protection system and telecommunications system, which includes: 8 GHz radio system, optical system, tele-protection system, telephone system, UHF system, management system, corporate network system, VHF system, CCTV system and access control system.

The Coxipó-Jaurú Transmission Line interconnects three Hydro-electrical Power plants, currently in the start-up phase, in the North-West of the State. The transmission line has an overall length of 366 km, and includes a double circuit of 230 KV, with fiber optics cable for communications. The interconnection of the power plants provides a total power output that exceeds the combined power output of the individual plants.

Telvent, which has operated in Brazil since 1991, has consolidated its presence in this country with such projects as: Safety system and control of the electrical system of the south and southeast regions of Rio de Janeiro; System for the supervision, protection and digital control for the electrical substations in Maranhão; Distribution control system (DMS) and Automation of the Electrical Distribution Centers of Rio de Janeiro; Systems for Centrovías's toll, Railcars and Renovías in Sao Paulo; System for controlling urban traffic in Belo Horizonte; Automatic ticketing system for Belo Horizonte's light train; Management and control system for Dos Imigrantes - Achieta highway; Supervisory Control and Data Acquisition System, OASyS, for the pipelines the cities of São Francisco, São Paulo, Salvador and Rio de Janeiro; and an OASyS Supervisory Control and Data Acquisition (SCADA) System for the gas pipelines for the cities of Recife and Rio de Janeiro.

About Telvent

Telvent, the Global RealTime IT Company and subsidiary of Abengoa, specializes in IT solutions with high technological added value for specific industrial sectors such as Energy, Traffic, Transportation and the Environment. Telvent is a leading supplier to these industries in Spain, North America, Latin America and Asia.

With over 40 years experience in industrial supervisory control and business process management systems, Telvent executes projects and provides technical services in the field of mission-critical, real-time control and information management. With the most comprehensive portfolio of outsourcing and consulting services, and employing a technology-neutral philosophy, Telvent manages IT and telecommunications infrastructure for an extensive international client base. (www.telvent.com)

About Abengoa

Abengoa, an industrial and technology company with worldwide operations, provides solutions for Sustainable Development, the Information and Knowledge Society, and the Creation of Infrastructures. The company is capitalized at over 500 million Euros (31/12/2003) and is listed on the Madrid Stock Exchange. Abengoa operates in four primary areas: Bioenergy, where it is the second largest worldwide producer of bioethanol; Environmental Services, where it is a European leader in various industrial waste market segments; Information Technology, where it has achieved global recognition and has operations in Europe, North America and Asia; and Industrial Engineering and Construction, where it is a leader in Spain and Latin America. (www.abengoa.com)

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