

Brazil

## Telvent signs contract with Eletronorte in Brazil

Madrid, March 5, 2004 – Telvent, the Global RealTime IT Company, and subsidiary of Abengoa, has signed a contract with the Brazilian company Eletronorte for supplying the Control and Telecommunications System for the Coxipó-Jaurú electric transmission line 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.

The project being developed by Telvent includes an integrated 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. The installed system will include the following: 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, which are located in the northwest region of the State. The transmission line has an overall length of 366 km, and includes a double circuit of 230 KV, with fiber optic cable for communications. The interconnection of the power plants provides a total power output that exceeds the combined power output of the individual plants.

According to Manuel Sánchez, Telvent's Chief Executive Officer, "More than 400,000 people benefited when these plants began to operate, generating 2,000 direct jobs during the construction work."

Eletronorte's area of coverage represents 58percent 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 west-central 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.

With this contract, "Telvent consolidates its leadership position in Brazil, where it has been established since 1991, having completed more than 20 relevant projects", adds Sánchez Ortega. The list of projects includes: Safety system and control of the electrical system of the south and southeast regions of Rio de Janeiro; System for 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; System for Centrovias's toll, Railcars and Renovias 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 - Achietá highway; OASyS SCADA (Supervisory Control and Data Acquisition) system technology for managing the pipelines of the cities of São Francisco, São Paulo, Salvador and Rio de Janeiro; and OASyS SCADA system technology for managing the gas pipelines of the cities of Recife and Rio de Janeiro.

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## **About Telvent**

Telvent, the Global RealTime IT Company and subsidiary of Abengoa, specializes in solutions with high added value, in four specific industrial sectors (Energy, Traffic, Transport and Environment) in the Americas, Spain and China.

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, realtime 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](http://www.telvent.com))

## **About Abengoa**

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

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