

Transport Control in China

## **Telvent to install a 21 million Euro, Access Control and Communications System for the City of Tianjin, China**

Madrid, March 25, 2004 – Telvent, the Global RealTime IT Company, and subsidiary of Abengoa, has signed a contract with the Chinese authorities to supply an Automatic Ticketing System and Radio Communication System for Tianjin's Metro. The Tianjin project, financed by FAD credits, includes the start-up of 22 stations covering a route of twenty-seven kilometers. The new system is scheduled to be in operation by the end of 2005.

Tianjin, located 120 kilometers from Beijing, is the most important port city in Northern China. Its population of 11 million inhabitants and a surface area of 11,900 km<sup>2</sup> make it one of the most densely populated cities in that country. The Tianjin Project is part of a strategic program, initiated by China in the 1990's, to develop the areas adjoining the Gulf of Bohai. As a result of this program, Tianjin, which is largest city in this area of the country, has already experienced significant economic benefits.

In order to implement the Automatic Ticketing System, Telvent will use its own "Mobifast" access control system technology, which was developed for passenger use on metros and lightweight trains. This automatic collection system is already being used in a number of major centers around the world, including cities such as Madrid and Barcelona (Spain) and Belo Horizonte (Latin America). The Tianjin Metro project represents the first installation of this type of system in China.

The project scope includes a "Tetra" Radio Communication System, with which Telvent has obtained previous installation experience when it implemented the Lightweight Train Communication System in this same city last year. Telvent will also supply more than 300 ticket-dispensing machines, more than 200 automatic turnstiles, and the entire Radio Communications System. The new Telvent system will place the City of Tianjin at the forefront of Metro technology and regulation in China.

The award of this contract provides additional confirmation of Telvent's technology leadership role in the Chinese market, where it has been installing systems since 1990. The Telvent installations in China include: Tetra System for the Light-weight Train of Tianjin Binhai; Traffic, Toll and Communications Control System for the Hangzhou-Ningbo highway; Interurban Traffic Control System, Control of Tunnels and Toll System for the Yantian-Bagan highway; Centralization of Urban Traffic in the City of Wuhan; Traffic Control Systems for the cities of Chanchun, Nanning and Beijing; Installation of an "OASyS" Supervisory Control and Data Acquisition (SCADA) System for the oil pipelines serving the cities of Fushun, Kushan, Chengdu, and Lang Fan; Installation of OASyS SCADA system technology for the gas pipelines in the cities of Chengdu, Choning and Huayang; and installation of OASyS energy management systems (EMS) for the cities of Hunan, Nanchang and Guangzhou.

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### **About Telvent**

Telvent, the Global RealTime IT Company and subsidiary of Abengoa, specializes in real-time IT operations and business 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](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 a leader in Spain and Latin America. ([www.abengoa.com](http://www.abengoa.com))