

SCADA system in Thailand and Malaysia

Telvent awarded Trans Thailand Malaysia Gas Pipeline Project

Madrid, April 15, 2004 – Telvent, the Global RealTime IT Company and subsidiary of Abengoa, has been awarded the Trans Thai-Malaysian (TTM) pipeline and gas separation plant project, a joint venture between the Petroleum Authority of Thailand and the Petroliam Nasional Berhad (Petronas) of Malaysia. The project involves onshore and offshore pipelines that transport gas from the Malaysian-Thai Joint Development Area (offshore) to the Peninsular Gas Utilization pipeline at Changlun in Kedah, Malaysia. This linkage will mark a major step towards realizing the trans-ASEAN Gas Grid project.

Telvent will provide a Windows 2000-based OASyS DNA SCADA system for the safe operation of the pipeline and related facilities. The turnkey solution will include the Gas Measurement Applications (GMAS) modules of the Gas Suite to provide measurement collection, aggregation, validation and processing solutions. In addition, the Liquid Management System (LMS) will be installed to provide condensate management.

The SCADA system will reside on a completely redundant virtual LAN and provide realtime measurement and control. It will also provide Microsoft SQL Server-based infrastructure to handle historical data collection and management. The SCADA system will interface with PLCs to obtain field data and will also provide gas information to a third-party pipeline leak detection system.

With gas reserves outnumbering oil three to one, Malaysia is increasingly turning to natural gas, not only as a source of energy, but also as a raw material for manufacturing petrochemicals. According to Manuel Sánchez Ortega, Telvent's Chief Executive Officer, "The TTM pipeline and Gas Separation Plant present strong examples of the benefits of bilateral cooperation, as well as cost and reward sharing between nations. Transportation from the Joint Development Area helps both countries ensure adequate supply, benefiting industry as well as residential populations."

About Telvent

Telvent, Abengoa's Information Technology subsidiary, specializes in RealTime IT solutions with high technological added value for specific industrial sectors (Energy, Environment, Traffic and Transport). 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 infrastructures 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 world-wide 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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