

Pipeline management in Hawaii

Telvent to provide pipeline management solution to Hawaii

Madrid, September 15, 2003 – Telvent has been awarded the contract for supplying a fully integrated SCADA and enhanced leak detection and modeling system for a pipeline project being undertaken by Hawaiian Electric Company, Inc. (HECO). The project also includes the delivery of a full-scope simulation trainer, based on SimSuite Pipeline technology, to assist in the training and qualification of the pipeline operators. The full-scope trainer will be a virtual copy of the actual pipeline and will be used in both operator training and engineering analysis.

According to Manuel Sánchez, Telvent's CEO, the geographic location presented an interesting challenge. "The most critical aspect of this project was the fact that Hawaii is an extremely environmentally sensitive environment," he said. "At the same time, however, the population density for this State requires a highly developed electricity infrastructure. Because fuel oil is the primary feedstock for the power plants operating in Hawaii, a key requirement was the installation of a high fidelity leak detection system."

The Telvent system, based on S/3 SCADA architecture and SimSuite Pipeline leak detection technology, will monitor and control a new fuel pipeline running from the Barbers Point Tank Farm to the Waiiau power plant, located west of Honolulu, Hawaii. An existing line connecting to the Kahe power plant will also be managed by the new system. The HECO project includes the installation of a new primary control and a backup control system. Since the pipeline is new, the SimSuite Pipeline Trainer will be used to validate the pipeline control system before start-up, enabling the reduction of the risks and duration of the critical start-up period.

Sánchez also said that Telvent's past project experience was instrumental in being awarded the contract. "We have successfully implemented this same type of project before - an environmentally sensitive area combined with a high-population base - using our advanced SCADA architecture and our industry-leading leak detection and pipeline modeling solution - SimSuite Pipeline. The HECO team undertook an extensive evaluation of one of our comparable North American projects, which has been in operation now for over two years. Based on their analysis, which included a site visit to the installation, combined with the recommendations of their consultant, Telvent was subsequently awarded the contract."

- more -

About Hawaiian Electric Company

Hawaiian Electric Company, Inc. (HECO), and its subsidiaries, Maui Electric Company, Ltd. (MECO), and Hawaii Electric Light Company, Inc. (HELCO), provide electricity to 95% of the state's 1.2 million residents on the islands of Oahu, Maui, Hawaii, Lanai and Molokai. For more than 100 years, HECO has provided the energy that has fueled the islands' development through its colorful history; first as a kingdom, now as a modern state. (www.heco.com)

About Telvent

Telvent, Abengoa's Information Technology subsidiary, specializes in IT solutions with high technological added value for specific industrial sectors such as Energy, Environment, Traffic, Transport, Telecom and Public Administration. 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, 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)

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 (31/12/2002) 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)