The more complex your pipeline becomes, the more challenging it is to manage problems that drain your bottom line and expose your business to painful publicity and regulatory scrutiny. Leading pipeline operators know their best defense is a good offense: establish the best possible predictive, preventive and protective measures — and then make sure you have the highly trained operations staff in place to implement those measures.

Advanced modeling and simulation tools are essential in both developing your safety plan and in training your staff. Many leading pipeline operators have found the answer to their modeling and training needs in Telvent Simsuite Pipeline.

Telvent SimSuite Pipeline is a transient pipeline modeling and simulation system for gas and liquids pipelines. The world’s most technologically advanced pipeline simulation system, it also offers the highest dependability in the industry. Use it to optimize management of your pipeline operations for greater efficiency, effectiveness and an improved bottom line. The system provides complete simulation of pipeline systems including pump stations, compressor stations, injection/delivery stations, tank farms, valves and control logic. It provides the technological eyes to see what is happening — no matter how far away.

An Integrated Set of Tools
Telvent SimSuite Pipeline is a tightly-integrated suite of applications that give the user a broad range of capabilities. Integration is guaranteed by using the same core programming in each application. Using engineering analysis, operator training, real-time modeling and predictive analysis components, you can see events over distance, as well as over time. Clearly review past performance, model current activity and test multiple scenarios to predict the future of your operations.

- **Real-time modeling** – provides one of the most important indicators for any pipeline system: leak detection. Multiple algorithms constantly watch for leak events with a minimum of false alarms. Predictive performance capabilities, which bring the pipeline to solution up to four times per second, exceed recommended standards outlined in American Petroleum Institute Publication 1149.

- **Predictive analysis** – performs automated look-ahead analysis to provide planning and risk management capabilities.

- **Operator training** – uses a pipeline transient simulator-based evaluation system to prepare control center operators for qualification under the Department of Transportation’s operator qualification rule. This comprehensive training uses customizable generic
pipeline models, powerful TotalVision MMI displays and an integrated comprehensive record keeping database.

- **Engineering analysis** – provides flexible constraint definition functionality to conduct detailed pipeline engineering and design analysis.

**Technically Robust, Yet Easy to Use**

As with all Telvent products, Telvent SimSuite Pipeline is written to satisfy the most technically demanding engineers while remaining accessible to every level of the organization. All displays are designed using interfaces familiar to anyone experienced with common office productivity software and Internet browsing tools. Many of the modules rely on Microsoft Excel for input and output to reduce learning curves and to provide broad access to powerful analysis with straightforward spreadsheets.

**First Choice Today for Success Tomorrow**

The industry leader in pipeline operations management, Telvent software is used to manage over 40 percent of gas pipe and nearly 60 percent of crude oil and refined oil pipe in North America. Telvent also has significant presence in western and eastern Europe; South and Latin America; Asia; the Middle East; North Africa; and Australia.

The powerful features, customizability and reliability of our modeling and simulation system makes it the smart choice for managing your pipeline assets. Prevent leaks, train the best operations staff and protect your business with Telvent SimSuite Pipeline.

Telvent (NASDAQ: TLVT) is a global IT solutions and business information services provider that improves the efficiency, safety and security of the world’s premier organizations. The company serves markets critical to the sustainability of the planet, including the energy, transportation, agriculture, and environmental sectors. (www.telvent.com)