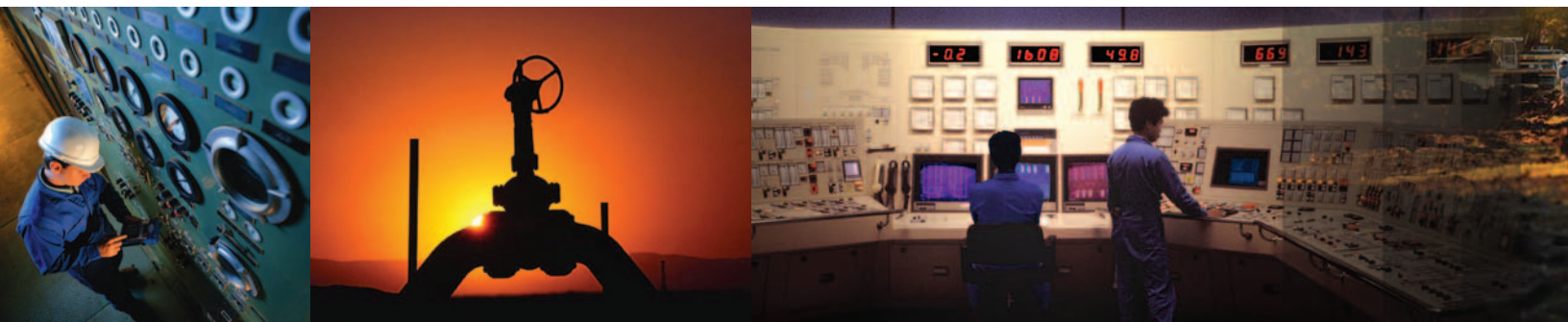




energysolutions®
World Leaders in Pipeline Management



30 Years of Pipeline Industry Leadership

Pioneers in real-time pipeline simulation systems and high performance leak detection software.

Results Delivered:

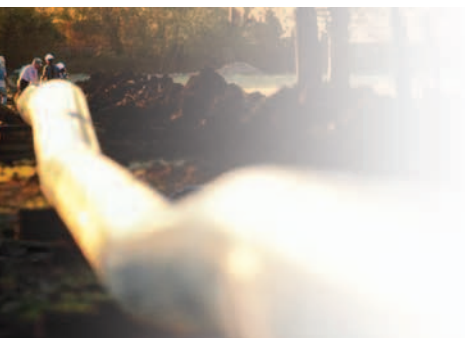
Major US gas pipeline achieved fuel savings of approximately \$3.5 million and increased sustained throughput by 3.4% over 2 year period.

For 30 years, Energy Solutions has helped set the standards in pipeline management systems for the oil and gas industry. As the leading global supplier of pipeline management software, Energy Solutions provides technology that helps our customers drive excellence in operational efficiency, environmental health and safety, and commercial transaction management.

Energy Solutions has been at the forefront of the application of advanced simulation models for the pipeline industry since 1976. Today, we deliver solutions based on technical and commercial integration to create real-time pipeline enterprise systems.

Energy Solutions is a trusted vendor for organizations across the pipeline sector. We provide total solutions from front-end design to pipeline optimization, leak detection and commercial transaction management. Energy Solutions has the knowledge, the experience and the understanding to help you get more out of your pipeline, at every stage from supply to delivery.

Offering Integrated Technical and Commercial Solutions for Both Gas and Liquids Pipelines



Global Focus and Experience

Above ground, below ground and underwater.

Across snow, desert and cityscapes.

Over distances from 10 kilometers to more than 20,000 kilometers.

In every diameter from a few inches to several feet.

Our pipeline management systems do more than just transport all forms of gas and liquids in all types of environments.

“Energy Solutions is committed to providing quality software and services. Our focus on quality produces better products, and better products lead to better business results for our customers.”

John Sherman, Chief Operating Officer, Energy Solutions

Our Systems Carry the Well-Being and Reputations of Our Customers

Headquartered in Houston, Texas, Energy Solutions serves more than 500 clients in over 70 countries through offices around the world. Our systems back up billions of dollars of pipeline assets on six continents, ranging from local point-to-point lines to trans-continent transmission and delivery systems.

Our unmatched breadth and depth of experience includes gas, oil, water, ethylene and other chemicals in virtually any environment: high altitude, sub-sea, extreme temperatures and multiple pressure regimes.

Energy Solutions worldwide network of experts provides global support in tune with specific regional and local needs. Our people know pipelines, they know the industry and, they know how to translate knowledge into competitive advantages for our customers.



Providing Comprehensive Business Benefits

International energy corporations with global requirements.

Small, focused specialists facing one-off challenges.

Despite the diversity in our customers, they have one factor in common: the need to work with a company that offers proven solutions with real business benefits.

Providing the Knowledge and Confidence to Plan for the Future

Energy Solutions has routinely delivered successful solutions for the energy industry's most complex pipeline systems.

We believe in the value of building close working relationships with our customers for the long-term. We are proud to have worked with many of our customers for over two decades.

At Energy Solutions, our goal is to ensure that our software generates the maximum advantage for your company. We are focused on delivering substantial and quantifiable business benefits including:

- Increased revenue from throughput optimization
- Increased profits from effective commercial transaction management
- Improved quality of customer service
- Reduced operating costs
- Successful regulatory compliance
- Safer and more environmentally responsible operations



Pipeline Specialists to the World

Results Delivered:

Major European gas transportation company identifies additional capacity with existing pipeline infrastructure.

Greater control.

Enhanced knowledge.

The confidence to plan ahead.

Energy Solutions can deliver operational and financial benefits to your business.

Energy solutions understands the challenges that pipeline companies face today. Our customers have seen first hand the value of using our integrated systems to grow their business. They are leveraging our technology to create a seamless process from design to production to the management of commercial transactions.

The results have been immediate and far reaching including:

- The ability to move more product through the same infrastructure
- The ability to add many new customers to a single pipeline
- The ability to effectively train operators
- The ability to more quickly and accurately identify potential environmental hazards

“As an IT member, I am interested in a solution that can be easily integrated with our other business applications but also can work standalone. The performance of the product, and the support we have received from Energy Solutions, perfectly fulfilled our expectations.”

Sophie Jehaes, Project leader, Fluxys

**Meeting the needs of more than
70% of the world's real-time pipeline
management systems**



Leading Edge Technology

Engineering, design and planning tools.

Real-time optimization, leak detection capabilities.

Comprehensive, integrated commercial systems.

And a flexible, scalable offering.

Energy Solutions strives to not just adhere to industry standards, but to set them.

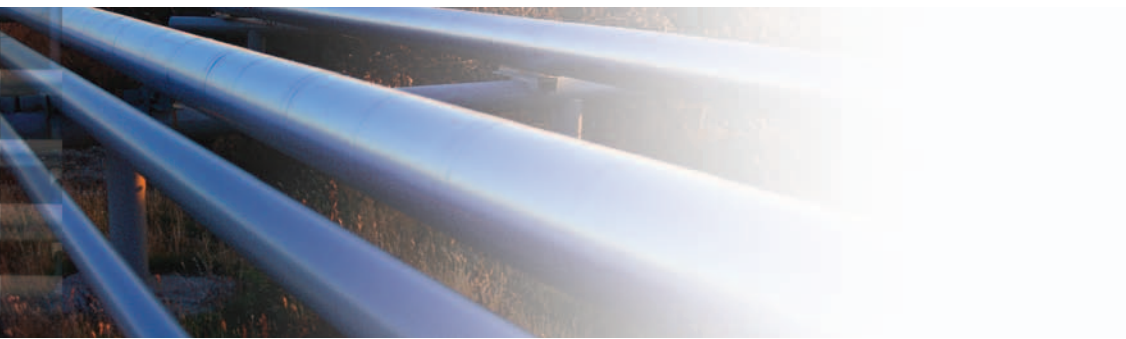
Energy Solutions offers a comprehensive range of products built from leading edge technologies and methodologies. The suite includes applications for production, transportation and distribution networks.

Our software delivers accurate simulation of the core physical assets and automated administration of transactions. You can predict with confidence how the physical assets interact with commercial issues before you make important business decisions. The result is optimum utilization of the pipeline, enhanced safety compliance and, ultimately, increased profitability.

Energy Solutions provides scalable, integrated products based on open systems and web-based architecture. We consistently invest in research and development to ensure that our customers are at the forefront of pipeline and information technology.

“Energy Solutions’ technology has proven its world-class performance under this pipeline’s challenging conditions. OCP’s operation has been evolving steadily ever since it started, and we are constantly working to put together the best available technological framework to support our business, now and in the future. Energy Solutions has stepped in as a partner to help us achieve our objective.”

Andrés Mendizabal, Engineering Manager,
Oleoducto de Crudos Pesados (OCP) Ecuador



Results Delivered:

Major gas transport company achieved more than 95% accuracy in gas forecasting for daily and hourly forecasts.

“PipelineStudio continues to be the standard for offline design and planning within the pipeline industry throughout the world. We are pleased that so many companies have found PipelineStudio to be a valuable tool for designing and operating their pipelines for optimum efficiency and value.”

Al Jacob, Chief Executive Officer, Energy Solutions

pipeline[®]manager is a real-time pipeline modeling and management system with capabilities that include leak detection, capacity determination, product tracking, what-if analysis and operator training.

pipeline[®]studio is an offline design and transient simulation model that integrates seamlessly with PipelineManager for a consistent view of the pipeline network.

pipeline[®]transporter allows shippers to nominate deliveries and helps pipeline companies invoice and schedule gas movements.

pipeline[®]optimizer provides decision support to determine peak operation levels for liquid pipelines. It offers complete visibility across the pipeline network.

gasload[®]forecaster is a forecasting application providing natural gas load forecasts for optimum revenue at the lowest cost.

transaction[®]manager collects, analyzes, and reports natural gas sales and purchase transactions.

Driving Excellence in Operational Efficiency, Throughput Management and Pipeline Safety

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