

PipelineTransporter - Liquids: The total solution for managing liquid pipeline transportation, storage and delivery

- » Evaluate demand changes in real-time
- » Predict bottlenecks and constraints across the entire pipeline network
- » Minimize product transmix and quality degradation



Graphical and tabular representations of tank activities

## PipelineTransporter® : Moving Your Product in the Right Direction

PipelineTransporter is an easy to use liquids scheduling system that addresses the challenges of moving vast amounts of crude oil and refined products through the world's pipelines. It provides schedulers the tools and information necessary to plan efficiently, and ensure timely delivery of products, including product movements on batched liquids pipelines. It organizes and consolidates information crucial to support daily commercial and operational decisions.

### PipelineTransporter Features

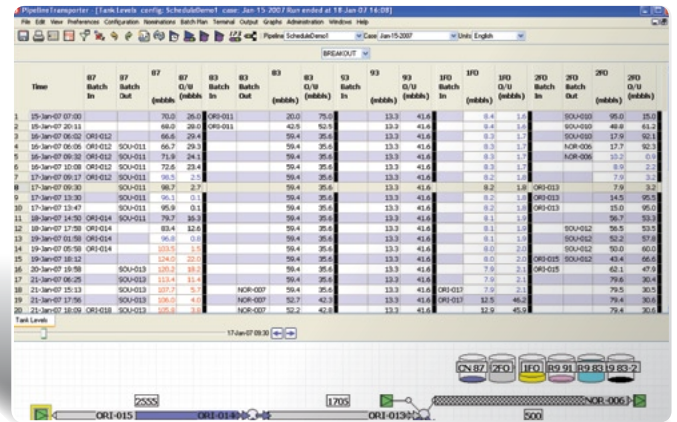
PipelineTransporter is a rapidly deployed, feature-rich commercial solution for oil movement control. The system is configured with an intuitive user interface that eliminates the need for lengthy & costly customization. PipelineTransporter's detailed configuration capabilities allow the system to address each pipeline's unique requirements. PipelineTransporter offers a unique feature set to support pipeline scheduling:

- **Unified Visual Interface:** PipelineTransporter provides the ability to view the entire pipeline and planned operations through one console. It also provides a web-based interface for data collection and reporting
- **Financial Support:** The centralized database makes it easy to perform studies on investment decisions for infrastructure and DRA usage.
- **Pipeline Analysis:** Identification of bottlenecks and constraints; Schedules can be generated for user-defined variable time periods; It provides comprehensive, accurate, model-based pipeline scheduling.
- **Multi-product Support:** PipelineTransporter supports a wide variety of fluids.
- **Batch Management:** Batch Plans can be generated based on nominated values or terminal requirements, and PipelineTransporter supports Terminal & Batch Plant Management including terminal tankage tracking.
- **Advanced Database and Reporting:** A relational database provides optimal data storage and extensive reporting capabilities, including financial reporting and reports on crude mix composition.

## PipelineTransporter Benefits

PipelineTransporter is a completely unique solution that is designed to be rapidly deployed. It provides more flexibility than any other software solution in coordinating the multitude of events that take place in the movement of product. The extensive scheduling support allows PipelineTransporter to provide unmatched control over product schedules, avoiding costly fees for missed shipments and deliveries. It can also be tightly integrated with hydraulic simulators used in pipeline operations to predict how operational issues will affect the product delivery schedule. Other significant benefits:

- Support more customers with automation capabilities for quick and easy scheduling and delivery
- Reduce costs by minimizing product transmix, limiting the degradation of product quality, and more efficient inventory movement
- Ensure delivery schedules are met with the ability to evaluate demand changes in real-time
- Rapidly identify and remove bottlenecks/constraints using a visual representation of the entire pipeline network over time

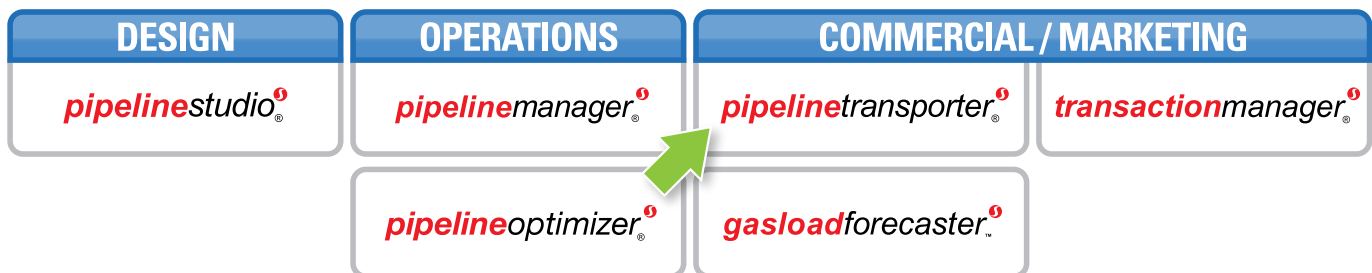


Simulation screens to track liquid scheduling



## About Energy Solutions

Energy Solutions International is the leading global supplier of pipeline management software. The company's broad range of products drives excellence in operational efficiency, transaction management, throughput management, and pipeline safety. Founded in 1976, Energy Solutions serves more than 500 clients in 70 countries. Energy Solutions is committed to providing integrated solutions to address the unique challenges of our industry. Our products support essential workflows by integration with each other and third party applications. Our products integrate with systems from all major SCADA Vendors including; Invensys, Siemens, Honeywell, SAIC, Yokogawa and Telvent, and major ERP vendors including SAP and JD Edwards.



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