Synthesis®

Synthesis for Pipelines manages and unifies the entire order-to-cash process for pipeline operators. It streamlines nominations management, ticketing, inventory, and invoicing — all in real-time through an intuitive web browser interface.

THE ULTIMATE SOLUTION FOR:
- Nomination Processing
- Pipeline Scheduling
- Ticketing & Measurements
- Inventory Allocations
- Gain/Loss Analysis
- Tariffs & Charge Calculation
- Invoice Generation
- Validations & Alerts
- Government & Management Reporting

USED WORLDWIDE BY:
- 6000+ Users
- 100+ Liquid Pipelines
- >250M BBL/40 MM m³ of Storage Capacity

SYNTHESIS CONNECTS TO:
- Customers via Self-Service Portal
- Supervisory Control and Data Acquisition (SCADA) systems via the Synthesis Application Programming Interface (API)
- Financial Accounting Systems
- Front & Back Office Systems

BENEFITS:
- Streamlines Processes
- Increases Accuracy & Data Integrity
- Enhances Customer Experience
- Integrates Business in Real-Time
- Improves Month End Closing Cycle
Synthesis

The Liquids Management Solution for Pipelines

Synthesis is an enterprise liquid logistics management application used by companies that store or transport liquid hydrocarbons to manage their entire order-to-cash cycle. It is the only application on the market today specifically designed to unify these processes for the liquid logistics industry.

Synthesis provides unprecedented levels of integration to the otherwise disjointed workflow of these enterprises. In doing so, Synthesis introduces a new level of transparency and seamless fusion of processes, enabling our clients to increase their capability and maximize revenue generation.

By implementing Synthesis, pipeline companies remain current and relevant with the latest technology and industry standards. With a robust technical architecture that uses standard APIs and SOA, Synthesis allows enterprises to integrate tightly and extensively with any other applications that are touch points between nominations and invoicing.

Capabilities

- **Orders & Planning**
  Submit and manage the pipeline nominations approval cycle; analyze transport and storage requests based on physical capacity; manage custody transfer of product through purchase and sales

- **Scheduling & Forecasting**
  Integrate with industry-leading PipelineScheduler® application to simulate movements, publish batch schedules, and forecast tank inventory levels

- **Measurements & Operations**
  Capture ticket measurement information with observables and product quality information to calculate gross and net quantities; maintain meter proving repository

- **Inventory Management**
  Allocate ticketed quantities to shippers; manage reconciliation processes, such as pipeline losses and gains, as well as book to physical inventory reconciliation

- **Billing & Invoicing**
  Administer and escalate pipeline tariffs; calculate and generate charges for specific scenarios and business rules

- **Alerts & Reporting**
  Notify users when specific events are triggered in the workflow; view, download, or send a report package to the customer and to management

- **Self-Service Portal**
  Allow customers to submit nominations, view tickets, review inventory position, and obtain invoices online