PipelineScheduler®

The total solution for managing liquid pipeline transportation, storage, and delivery.

THE ULTIMATE SOLUTION FOR:

- Managing nominations
- Cycling plan break down of transport batches
- Scheduling transportation using a full suite of capabilities
- Predict bottlenecks and constraints across the entire pipeline network
- Determine tank positions and possible violations
- Minimize product transmix and quality degradation
- Employ complex blending recipes and mixing strategies
- Produce reports such as batch and operational schedules
- Utilize a suite of automated data interfaces to link in with key corporate IT systems

ENABLES CUSTOMERS TO:

- Rapidly evaluate the stability of nominated volumes
- Ensure transport schedules are met with the ability to evaluate scheduling changes in a timely manner
- Make effective use of the pipeline asset with accurate batch launch and arrival times
- 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. Accurately predict blended product qualities in tankage as well as avoiding potential high or low violations
- Rapidly identify and remove bottlenecks/constraints using a visual representation of the entire pipeline network over time
PipelineScheduler 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 with the tools and information necessary to plan efficiently and ensure timely delivery of products, including product movements on batched liquids and steamed pipelines. It organizes and consolidates crucial information to support daily commercial and operational decisions. By interfacing with other critical systems at the pipeline company, it can become a mission-control solution for the enterprise.

PipelineScheduler is a component of an integrated suite of applications designed to support the operational and commercial business processes of liquid pipelines. This Liquids Management System provides a single platform from which nomination, scheduling, and accounting functions can be integrated and optimized.

**Features**

PipelineScheduler is a rapidly-developed, featured-rich, commercial solution for liquid transportation control. The system is configured with a tabular and graphic user interface that eliminates the need for lengthy and costly customization. Detailed configuration capabilities allow the system to address each pipeline’s unique requirement.

- **Unified Visual Interface**
  Allows viewing of the entire pipeline and planning operations through one console; provides a web-based interface for data collection and reporting

- **Nomination Management**
  Enters or receives nominations manually, via a variety of automated interfaces; generates Cycle Plans and Batch Plans based on nominated valves or terminal requirements

- **Tank and Terminal Management**
  Simulates terminal tankage tracking, truck loading operations, and external connected carriers

- **Pipeline Analysis**
  Identifies bottlenecks and constraints; generates schedules for user-defined variable time periods, providing comprehensive, accurate, model-based pipeline scheduling; allows time-based and event-based triggers for closing modeling of the actual operations on the pipeline

- **Multi-Product Support**
  Accommodates a wide variety of fluids; create user-defined qualities; tracks product blending in mixed batches and tanks

- **Data Interfaces**
  Supports a number of data interfaces — which include services to import/export nominations, line fill, tank levels, pumping scheduler, and batch plans

- **Advanced Database and Reporting**
  Provides a relational database for optimal data storage and extensive reporting capabilities, including financial reporting and reports on crude mix composition

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