

TransportPlanner™

A complete solution for movement planning within complex transportation networks.

THE ULTIMATE SOLUTION FOR:

- Managing nominations
- Verifying capacity
- Selecting between alternate transportation methods
- Swapping fungibles
- Optimizing transport costs
- Integrating multiple schedules
- Managing strategic storage
- Determining alternate flow sources
- Operating global views and dashboards

ENABLES CUSTOMERS TO:

- Determine network capacity
- Evaluate and verify nominations
- Determine cost-effective flow routes
- Manage strategically placed tank farms and storage effectively
- Consolidate and reconcile plans from multiple operational groups

Making Clear Decisions among Complex Choices

Large systems of interconnecting pipelines provide powerful flexibility and transport capacity. However, the size, operational scope, and flexibility of the pipeline assets also pose many tactical and strategic challenges. From utilizing the full market potential of the transport network, to managing and coordinating the myriad of operational details, a staggering level of complexity must be overcome.

TransportPlanner is a comprehensive software system for planning and managing complex transportation networks – for pipelines as well as other modes of bulk transport. It collects and processes crucial transport requirements needed to execute effective annual, monthly, and daily strategic planning. Batched or stream operations are supported as well as fungible and non-fungible considerations. Routing connections, unidirectional and bidirectional flow, cost of transport, as well as capacity limitations, are among the many elements used by the optimization algorithms to automatically select the best routing plan through the network.

Features

TransportPlanner bundles the full power of a carefully-considered engineering analysis and artificial intelligence system into an easy-to-use system that is accessible and understandable to non-engineering personnel who may not have long experience with the operational idiosyncrasies of the network.

- **Determine Network Capacity**
Given a slate of committed movements, TransportPlanner can ascertain the amount of remaining capacity in the system within seconds.
- **Quickly Validate Ability and Cost of a Nomination**
New nominations can be posed to the system, which will verify if the volumes can be transported and will provide an estimated cost of that transport.
- **Capitalize on Possible Fungible Swaps**
For fungible products, TransportPlanner will identify potential swaps – satisfying a faraway source with a closer one, thereby reducing the time and cost of transport.
- **Terminal Stock Management**
In addition to tracking the inventory in each terminal, TransportPlanner can be instructed to plan movements from terminals with an excess to terminals in deficit. Terminal inventories can directly satisfy movement requests and support floating physical shipper positions in the network.
- **Effectively use Alternate Sources**
Many systems have alternate sources of flow, where additional volumes can be purchased or sold when needed. Through its optimization algorithms, TransportPlanner can determine when to use such alternatives cost-effectively.
- **Consolidate and Reconcile Multiple Operational Groups**
TransportPlanner provides an executive overview of the comprehensive transport network, which may include multiple independently-scheduled and operated subsystems or pipelines. It can take in the operational schedules of the several groups and make an analysis and assessment of the synchronization and compatibility of each schedule relative to each other.
- **Analyze Transport Alternatives**
Alternative modes of transport, such as rail or barge, can be posed to the system to determine the expansion of the network capability provided by the new transport pathway.



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