Optimize terminal scheduling with the industry's first advanced simulation solution.

TerminalScheduler™

EMERSON.

TerminalScheduler

The industry's only solution for streamlining the management of product movements, tanks and critical assets at liquids terminals.

Improve Usage, Safety, Productivity and Profits

Costly delays and product contamination are constant threats at complex terminals. There are dozens of independent operations occurring simultaneously and numerous pumps, valves, pipe headers and other physical assets to manage, increasing the likelihood of scheduling errors and other critical issues that can quickly lead to lost profits.

Emerson's TerminalScheduler™ software is uniquely designed to help operators take control of complex tank farms and terminals. This industry-leading software system expertly organizes and consolidates information for short and long term scheduling. Schedules for nominations and monthly plan volumes are automatically created and the progress of each tracked against the plan, allowing movement order changes to be quickly evaluated, re-simulated and confirmed.

Advanced simulation of all current and future movements enables the system to intelligently prioritize operations and paths to ensure an optimal path solution that saves time and minimizes costs. Tank volumes and linefill are predicted and tracked by product, owner, volume and quality. Blending is supported both in tanks and in linefill. The system also improves quality and safety by warning and alarming on movements that could potentially result in contamination or over/under tank fills. To further streamline operations, the system generates work orders for asset lineups and pumping orders for all operations to enhance productivity and increase throughput.

The Premier Solution for:

- **Optimizing terminal lineups**
- **Minimizing errors and avoiding contamination**
- **Scheduling assets effectively**
- **Managing terminal linefill and tank levels**
- **Achieving blend targets**
- **Improving truck and rail loading operations**
- **Maximizing dock utilization**

Rich Graphical Presentation

TerminalScheduler gives operators the flexibility to view and modify schedules in active schematic, grid chart and Gantt presentations. Plus, the client/server architecture enables access from any location and allows for scheduler rotation.
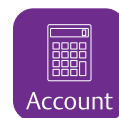
Plan   Schedule   Measure   Execute   Account

What if You Could Improve...

Tank Management

Improve scheduling and tracking of tank and tank pool volume levels throughout the period. Default switching algorithms can be utilized inside of the tank pools to aid in operational planning as the member tanks fill or empty. The system also offers strapping table management to increase modeling accuracy while warning messages for incompatible product mitigate contamination.

Path Route Optimization

Execute more movements and increase overall efficiency by allowing the system to select the most efficient routes for current and near-term movements. Asset conflicts are prevented and warnings and alerts are sent to protect against product contamination.

Shipper Positioning

Track present and predictive customer positions to confirm if a shipper is on target to meet the planned schedule. Terminal movement progress is also closely tracked.

Support for All Modes of Transportation

Efficiently prioritize and plan all terminal functions, including tank-to-tank, marine, pipeline, truck and rail movements. Easily pass schedules between TerminalScheduler and PipelineScheduler™.

Pumping and Work Order Generation

Produce work orders and asset lineups to efficiently execute movements. This data can be printed and/or electronically stored and can also be incorporated into a formal work order system.
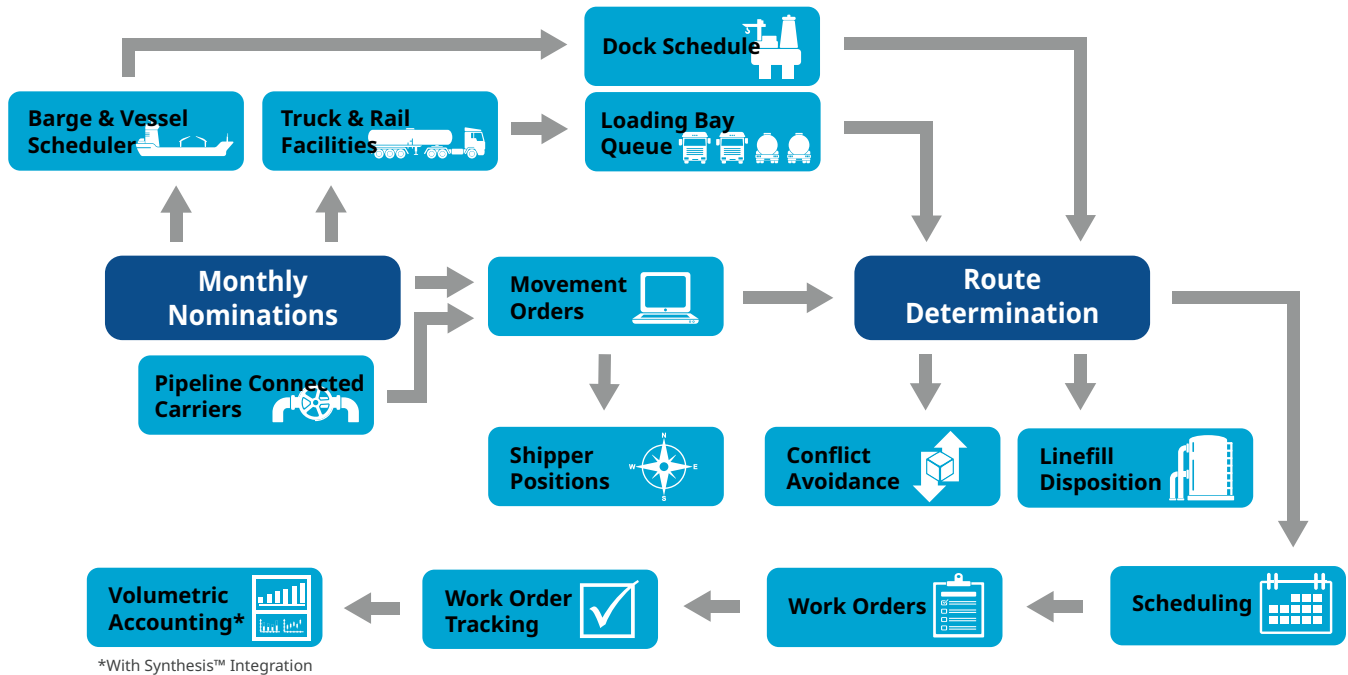
Boutique Product or Crude Blending

Track product quality during in-tank blending and easily produce custom product or crude blends for delivery to refineries or for loading onto trucks, railcars, marine vessels or pipelines. The system ensures blends are on specification and at the lowest cost.

Dock Scheduling

Consolidate data by importing schedules from an existing dock management system, or allow the path route optimization feature to choose the 'best fit' dock for the ship and for the product loading operation.

Movement Orders for Monthly Nominations

From monthly nominations to order tracking, TerminalScheduler streamlines management of all terminal movements, tanks and critical assets within a single software platform.

Learn more, visit:
Emerson.com/SCADAforEnergy

For assistance, visit us at
Emerson.com/EnergySoftware-ContactUs

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