

SIMTO M-Blend®

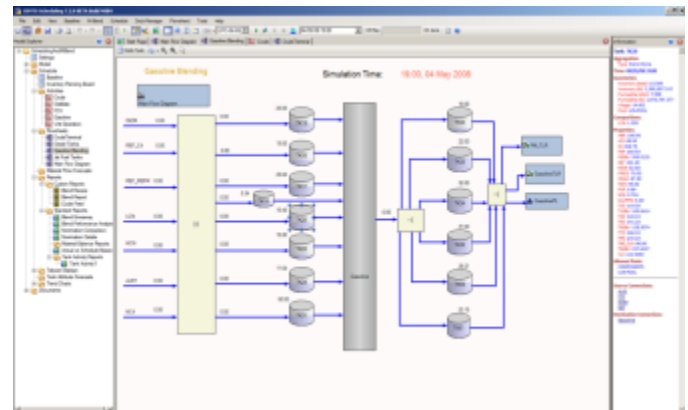
From Managing Inventory to Managing Quality

SIMTO M-Blend is an intuitive and powerful solution for scheduling and optimizing feedstock and product blending. It has a wide range of applications include use in the oil supply chain to support hydrocarbon trading, in oil refining for crude and product multi-blend optimization, in gas and petrochemical plants for feedstock optimization. M-Blend maximizes profit and minimizes quality giveaway for any number of blends over any scheduling horizon while respecting quality, composition, hydraulic and inventory constraints.

Benefits

SIMTO M-Blend increases the ability to respond to changing markets and maximize profits. Some key benefits are:

- Minimizing costs by minimizing quality giveaway and utilizing inventory optimally.
- Reduction or elimination of re-blending.
- Improving customer service with on-schedule deliveries of products meeting the required specifications and volumes.
- Increasing plant capacity and agility by improved usage of available materials.
- Faster transition between grades for local and seasonal product requirements.



Interactive Process Flow Diagram

User Experience

SIMTO M-Blend is used by planning, scheduling and operating personnel. Its Service Oriented Architecture enables collaboration across the entire enterprise.

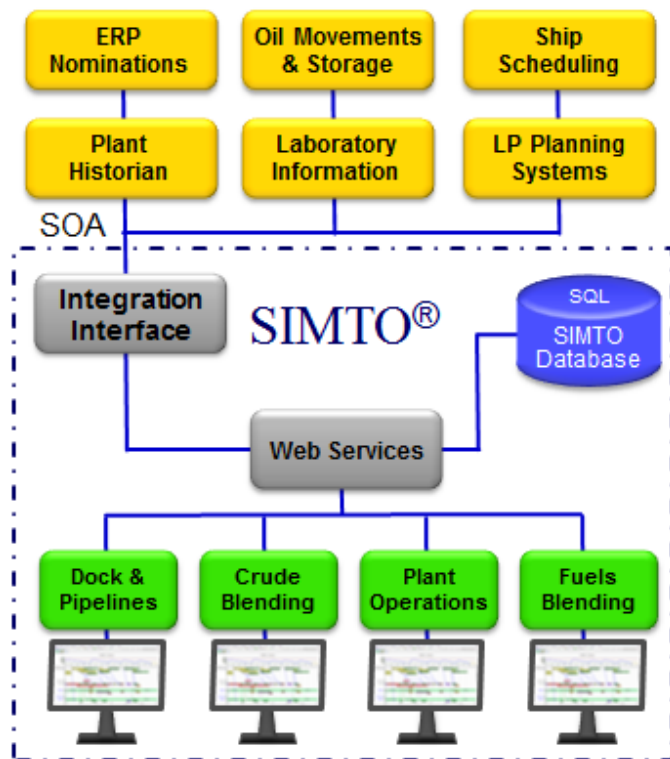
Some of the largest trading and operating companies have standardised on SIMTO M-Blend replacing competing solutions because of its:

- Modern architecture
- Comprehensive capability
- Ease of use

“We reviewed over 100 applications looking for a trading decision support tool before selecting M-Blend. M3 Technology is very responsive to our requirements and needs.”

Modern Enterprise Scalable Architecture

SIMTO M-Blend is developed using Microsoft.NET and SQL Server with a three tier service oriented architecture and integration via web services. This ensures it is easier to develop, implement and maintain.



Service Oriented Architecture

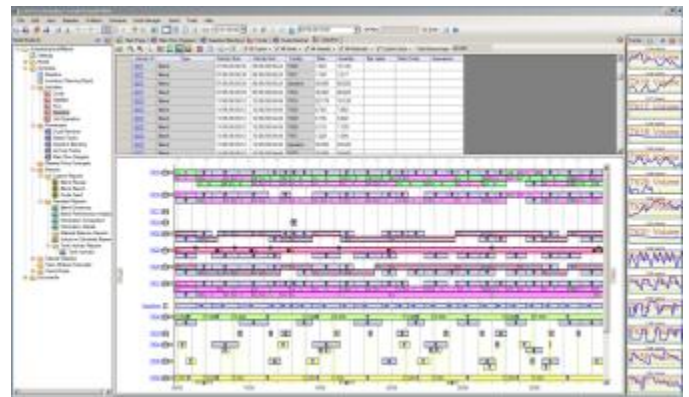
More Comprehensive

SIMTO M-Blend is a comprehensive solution which can be applied to a single blender, a refinery, a gas plant, petrochemical plant or an entire supply chain.

It includes:

- Nonlinear optimization
- Nomination management

- Demurrage minimization
- Pipeline scheduling
- Comprehensive non-linear property and blending libraries
- Configurable heuristics
- Economic analysis
- A flexible objective function
- Buy and sell option for components
- Market price indices and forecasts
- Ability to prioritize near term blends
- Accounting for tank heels



Highly Intuitive User Interface

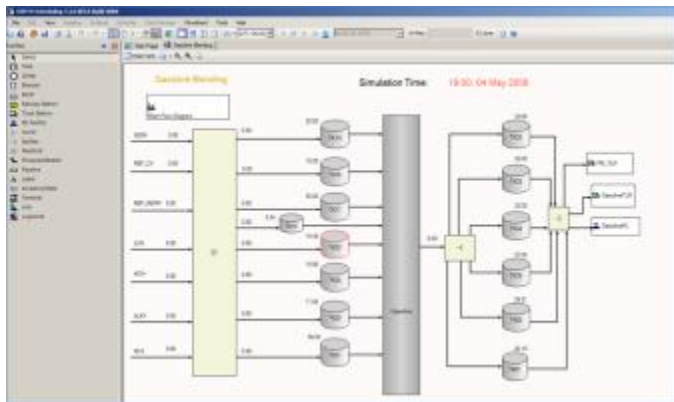
Easier to Use

SIMTO M-Blend is easier to use with:

- Process flow diagrams
- Smart event based simulation (simulates months in seconds)
- User configured Logic Wizards
- Degree of mixing configurable by tank
- Path contamination checking
- Case comparisons
- Fast, user configurable reporting
- Infeasibility breaker

Easier to Maintain

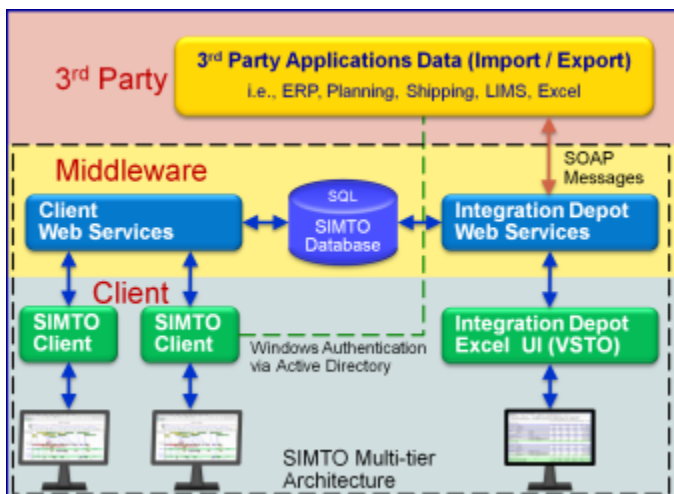
Users can create and maintain models using a state of the art process modelling tool and Microsoft Excel. Wizards are available for users to implement scheduling logic such as tank assignment rules. Our clients report a 30% reduction in maintenance effort.



Graphical modeling

Easier to Integrate

SIMTO Integration Depot leverages Web Services to simplify integration with other applications and databases.

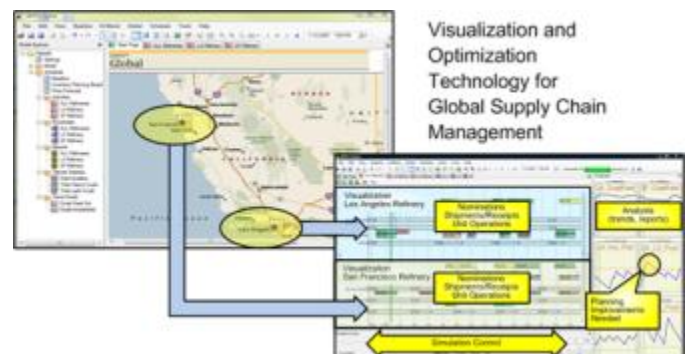


Web Services facilitate integration

SIMTO Global

SIMTO Global provides a unique ability to manage the global inventory position by aggregating information from individual plants, refineries and terminals. It provides a global view of all sites, vessels & pipelines:

- Summarized or detailed schedule
- Graphical inventory projection
- Graphical vessel schedule
- What If Analysis for impact on inventory and demurrage.



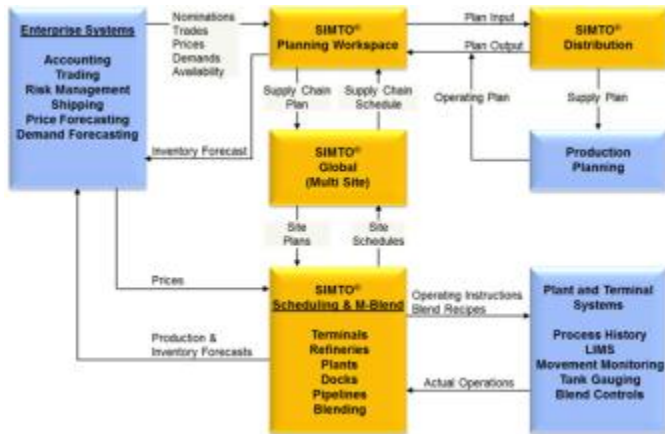
SIMTO Global for supply chain scheduling

Responsive

M3 Technology and our global partners provide a full range of study, implementation and maintenance services. We have the largest team focussed on developing and implementing refinery scheduling solutions. We pride ourselves on our and our clients' responsiveness.

Supply Chain Optimization

SIMTO M-Blend is a component of the comprehensive SIMTO Supply Chain Solution.



A complete supply chain solution

About M3

M3 Technology is the premier supplier of supply chain management solutions focused on enterprise planning, advanced asset scheduling and optimization solutions for the petroleum, petrochemical & LNG industries. M3's solutions capture economic opportunities and reduce the cost of managing complex facilities at the plant level, regional operating level and global enterprise level.

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