PRODUCT DATASHEET

Spiral Unified Supply Chain Management: Network

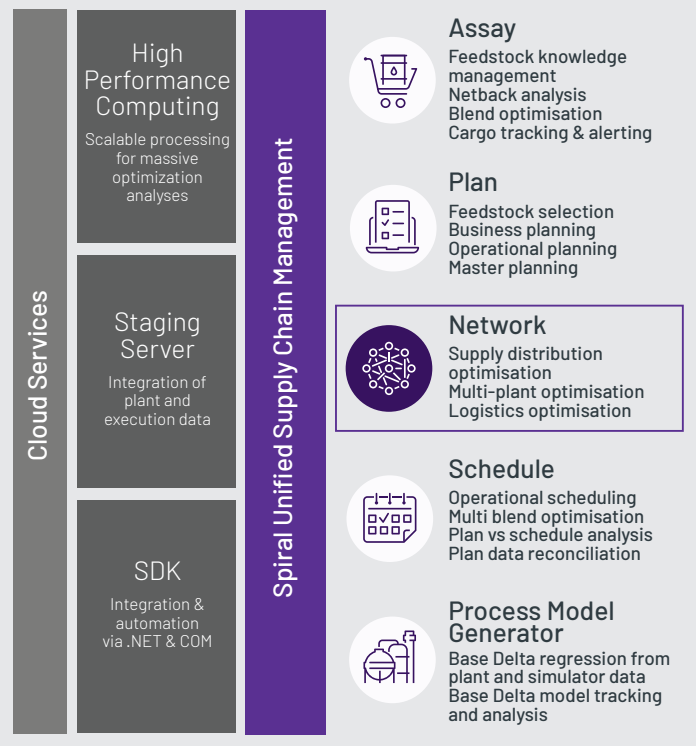
Optimize Plants and Distribution Side-by-Side

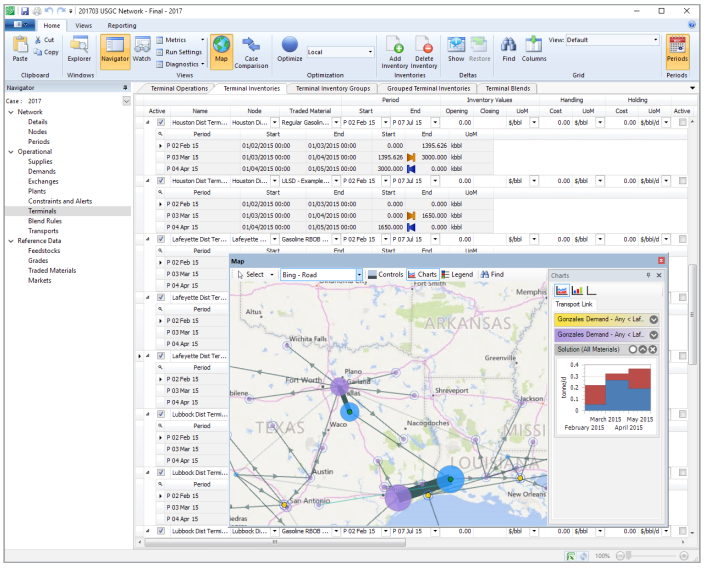
Optimizing oil & gas downstream assets alongside supply and distribution has traditionally been a challenging process. Different tools, different models and different users meant that transferring knowledge and decisions between business groups was difficult and iterative. Spiral Unified Supply Chain Management: Network solves legacy modeling and workflow issues. Extending the revolutionary capabilities of Spiral Unified Supply Chain Management: Plan to allow multi-plant optimization integrated into supply and distribution network optimization.

Key Features

- Easy modeling of complex network topologies; visualize and review complex multi-period results, with simple filtering to drill-down and understand solutions
- Optimize multi-plant assets; share materials, share supplies, share demands to find the best way to satisfy the overall business requirements with easy understanding of transfer economics
- Optimize supply and distribution; manage transportation, material exchanges, make vs. buy decisions, terminal inventories, terminal operations, and associated capital costs
- Bring plant optimization alongside network optimization; use existing plant and network models and constraints to ensure easy transfer of knowledge and decisions between business groups
- Unified within Spiral Unified Supply Chain Management; ensures consistency of decision making through shared data and transparent solutions, with traceability and versioning of input and output
- Supports automation via the Spiral Unified Supply Chain Management SDK; push data for update and scenario analysis; pull results for easy reporting and integration with business intelligence
- Take advantage of the Spiral Unified Supply Chain Management High Performance Computing for massive analyses; run multiple scenarios to determine the best strategy in an uncertain future

Network's unified supply chain environment allows users to understand the implications their decisions will have on the business as a whole, letting users concentrate on solving the problem, rather than building the model. Whether optimizing plants, the network, or both together, Network allows enterprises to support multiple assets, users, teams and workflows.



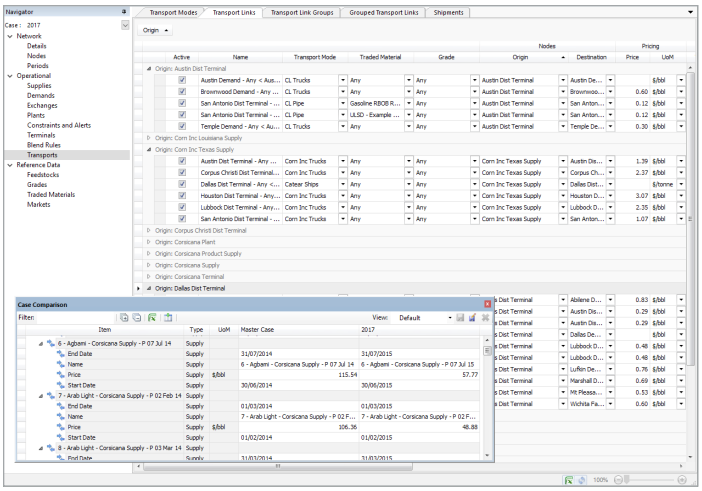


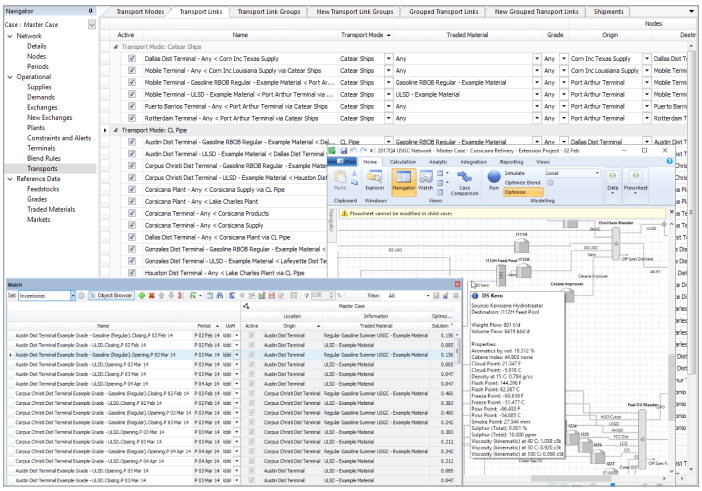
Manage grouping, exchange, and logistics

Reduce the amount of manual modeling with easy to configure grouping of assets and constraints. Create complex real-life problems with minimal set-up, including logistic and contract constraints alongside exchange agreements. Model networks with high or low fidelity, with easy deactivation of topology and locking of assets, to allow quick problem solving. Integrate with external business systems for model definition and result analysis. Push scenarios from your ERP and pull results to your data warehouse. Allow users to define and analyze using their preferred tools, whilst still using Spiral Unified Supply Chain Management's single source of knowledge. The flexible user interface lets users work the way they want with easy grouping and filtering to help manage and maintain the complex network data.

Isolate or combine plants & networks

Optimize the multi-plant problem, identifying inter-plant transfers and economics in single or multiple periods. Communicate decisions effectively with flexible and fast reporting, either in-tool, via standard or template reports, or by integration with business intelligence solutions. Optimize the network including supply, demand, logistic and terminal constraints. Join the two together to avoid iteration and solve the single supply chain problem at the same time. Stream values provide insight into the economics of material transfer, while transport logistics ensure cross-site operations are economic and operationally feasible. Centralised data prevents workflow problems by ensuring consistent information is always available and in use.





Spiral Unified Supply Chain Management

Build and share knowledge and experience with Spiral Unified Supply Chain Management's single platform enabling visibility and optimization of the entire supply distribution process. Simple, fast and secure, each stakeholder works side-by-side, with shared understanding and shared confidence in robust and realizable decisions and strategies.

For more information on AVEVA's Spiral Unified Supply Chain Management, please visit sw.aveva.com/plan-and-schedule