



AVEVA

INDUSTRY SOLUTION

Optimize Master Planning and Impact Business KPIs

AVEVA™ Unified Supply Chain Management for EPCs, Consultants and Contractors

Oil & Gas Companies facing extremely challenging market conditions today due to major shifts in supply and demand. Master Planning, sometimes called Configuration Studies or Feasibility Studies, is a key element to providing upfront insight, analysis and decision support to achieve optimized business outcomes. AVEVA Unified Supply Chain Management is focused on user experience and enhanced collaboration. It crosses traditional tool boundaries, which creates a new, better way to Master Plan. This enables faster and more transparent results.

Overview

Globalization, increased investments in alternative energy sources, and major shifts in supply and demand dynamics have created an extremely challenging environment for the Oil & Gas Industry. Increased pressure for higher profit margins and superior quality while complying with ever tighter regulations exacerbate the situation. O&G Companies rely on their Technology Suppliers and trusted advisors, such as EPCs and consultants, when optimizing Business KPIs and making strategic decisions.

Meanwhile, EPCs and consultants are continuously looking for ways to be more efficient and effective when leveraging technology and expertise across multiple projects. While one project could be investigating plant modifications driven by regulatory requirements another project could be designing a new refinery driven by market demand and focusing on maximizing profitability. Contractors need to be prepared for any option and bring with them the right tools for the right project.

Looking at a project lifecycle, the opportunity for an EPC or consultant to add value and have the most impact is before the FEED even begins. This is where Master Planning has a key role. The challenge is that often there is limited information during this phase. A lack of data makes the usage of good decision support tools critical. Any insight or decision made here has the potential to drive significant value compared to elsewhere in a project lifecycle. AVEVA Unified Supply Chain Management enables EPCs and consultants to leverage their industry expertise during Master Planning. This yields optimized results for their final customers in a faster and more transparent manner.



How AVEVA Unified Supply Chain Management can improve Master Planning

Our experience has shown that the time required to build a Master Plan can be reduced by 25% to 50% using AVEVA Unified Supply Chain Management when compared to legacy tools. This reduces cost for EPCs and consultants. Additionally, the user experience and enhanced collaboration of AVEVA Unified Supply Chain Management leverages better insights and analytics that translate in optimized Business KPIs for the Oil & Gas Companies.

Features that enable Master Planning Improvement:



Master Planning



Intuitive & Easy to Use



Collaborative



Analytics



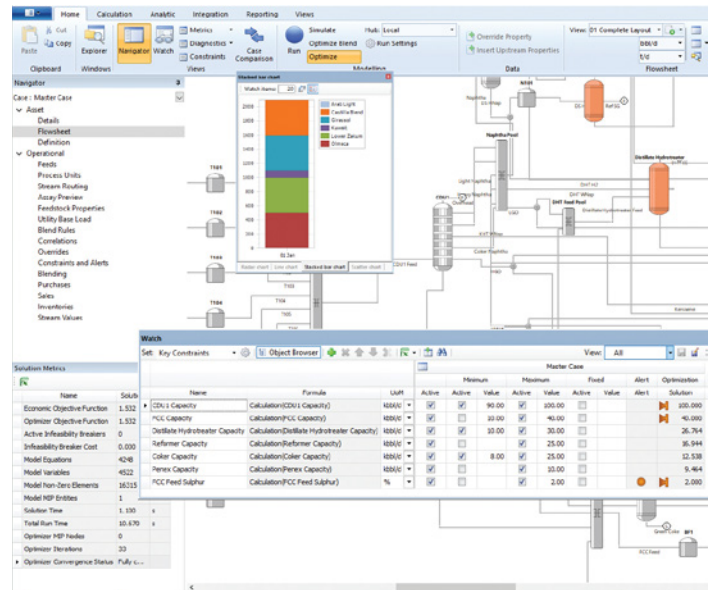
Lower Cost of Ownership

Master Planning

AVEVA Unified Supply Chain Management allows EPCs to easily access an extensive crude assay library. Additionally, users can input their own assays data, often with minimal and missing information. AVEVA Unified Supply Chain Management has Plan, which is an Linear Programming (LP) tool that tests and optimizes the different refinery configurations.

Intuitive and easy to use

Built with modern standards, AVEVA Unified Supply Chain Management is easy to deploy and scale. Seamless workflows let users transfer knowledge and understanding between business groups, helping to minimize gaps and losses due to errors in data transfer. Intuitive and customizable feedback is available to adapt to any user's need and easily evaluate changing business requirements. With no need for users to be mathematical specialists, EPCs and consultants can bring their team quickly up to speed and ensure that the study is delivered on time.



Collaborative

With secure data sharing, auditing, and versioning, different users are able to confidently share knowledge and decisions between diverse business groups across single or multiple locations. Powerful integration and reporting ensure input and output can be understood by all stakeholders, improving implementation of results and speed of turnaround. This ultimately drives better decisions and confidence in design.

Analytics

In-tool Analytics enable users to give better and faster answers to common business questions. AVEVA Unified Supply Chain Management can take advantage of high performance computing via the Calculation Hub for larger optimization analyses and more robust business planning. Analyze more scenarios and explore uncertainty to help determine more robust and more profitable decisions with an unknown future. EPCs and consultants can make more confident decisions through collaboration and management of risk and uncertainty.

Lower cost of ownership

Easy to setup for users and IT teams, easy to scale, and easy to integrate, AVEVA Unified Supply Chain Management enables both new and experienced staff to start making decisions quickly. Integrated to private or public cloud services and available as Software-as-a-Service (SaaS) to easily grow to a wider user base. For an EPC or consultant, this means Flexibility in terms of working to the needs of the customers.

By choosing AVEVA Unified Supply Chain Management for Master Planning, EPCs and consultants will gain confidence and deliver a robust Master Plan study at a lower cost, being more competitive and bringing additional value for your final customers.

About Us

About AVEVA Unified Supply Chain Management

AVEVA Unified Supply Chain Management is the only platform, designed from the ground up, for unified supply chain management of hydrocarbons. Build and share knowledge and experience with a 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 realisable decisions and strategies.

For more information on AVEVA Unified Supply Chain Management, please visit:
[aveva.com/plan-and-schedule](https://www.aveva.com/plan-and-schedule)