



AVEVA™

OPTIMISE MASTER PLANNING AND IMPACT BUSINESS KPIS

Spiral Unified Supply Chain Management for
EPCs, Consultants and Contractors

Oil & Gas Companies are facing an extremely challenging environment today due to major shifts in supply and demand dynamics and increased economic pressure. Master Planning is a key element to providing upfront insight, analysis and decision support to achieve optimised business outcomes. Spiral Unified Supply Chain Management from AVEVA is focused on user experience and collaboration, crossing traditional tool boundaries, which brings a new way to Master Plan, enabling faster and more transparent results.

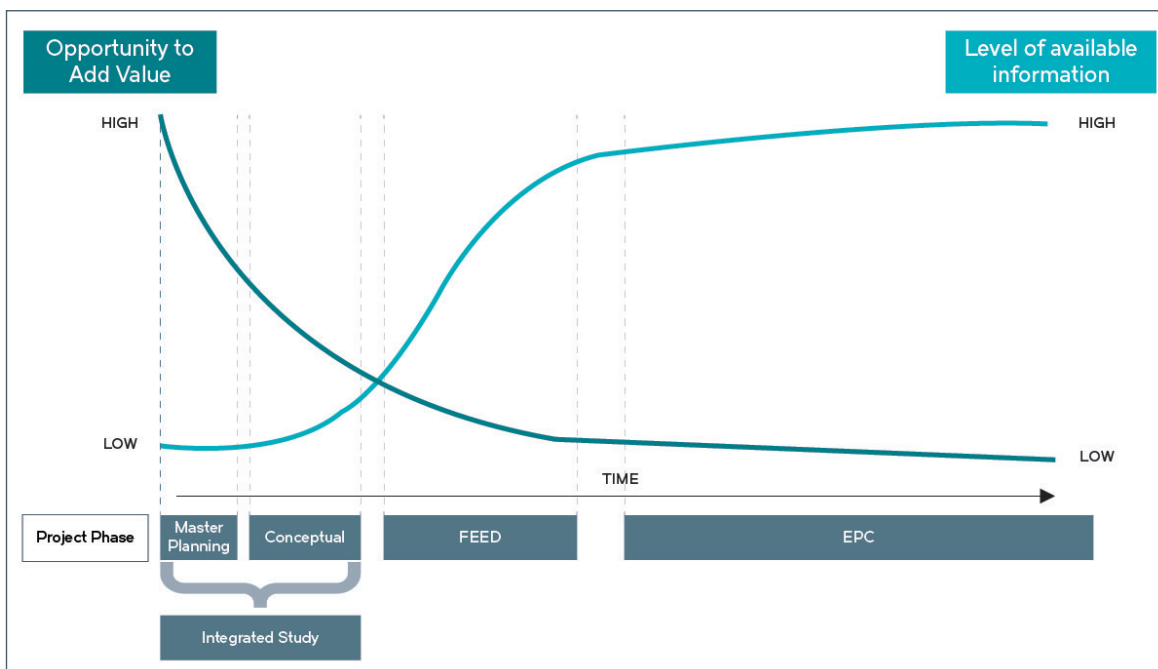


Overview

Globalisation, increased investments in alternative energy sources, and major shifts in supply and demand dynamics have created an extremely challenging environment for Oil & Gas Industry. There is increased pressure for higher profit margins and superior quality while complying with ever tighter regulations and constraints. During a refinery lifecycle, O&G Companies rely on their Technology Suppliers and trusted advisors, such as EPCs and consultants, to optimise Business KPIs and when making strategic decisions.

On the other hand, EPCs and consultants are continually looking for ways to be more efficient and effective when leveraging technology and expertise across multiple projects. One potential project could be driven by regulatory requirements looking at necessary plant modifications while still optimising design for profitability, a brownfield approach. The next could be designing a new refinery to driven by market demand and focusing on processing unit optimisation, feedstocks and blending to maximise 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, where Master Planning has a key role. The challenge is that often there is limited information during this phase, making the usage of good decision support tools critical. Any insight or decision made here has the potential to drive significant value compared to further along in a project lifecycle. Spiral Unified Supply Chain Management from AVEVA enables EPCs and consultants to leverage their industry expertise during Master Planning enabling optimised results for their final customers in a faster and more transparent manner.





How Spiral Unified Supply Chain Management can improve Master Planning

Our experience has shown that the time required to build Master Plan can be reduced from 25% to 50% using Spiral Unified Supply Chain Management from AVEVA compared to legacy tools, resulting in cost reduction for EPCs and consultants. On top of that, the user experience and collaboration focus of Spiral Unified Supply Chain Management leverages better insights and analytics that are translated in optimised Business KPIs for the Oil & Gas Companies.

Spiral's Features that enable Master Planning Improvement:



Intuitive and Easy to Use

Built with modern standards Spiral Unified Supply Chain Management is easy to deploy and scale. Seamless workflows let users transfer knowledge and understanding between business groups, helping minimise gaps and losses due to errors in data transfer. Intuitive and customisable 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. Spiral Unified Supply Chain Management can take advantage of high performance computing via the Calculation Hub for larger optimisation analyses and more robust business planning. Analyse 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, Spiral 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 Spiral 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 Spiral Unified Supply Chain Management

Spiral 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 optimisation 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.

About AVEVA

AVEVA is a global leader in engineering and industrial software. Our expertise and innovation have put us at the heart of the world's most ambitious projects, biggest companies, and greatest challenges. On March 1, 2018, AVEVA combined with Schneider Electric's industrial software business to create an unmatched organisation and end-to-end portfolio focused on driving digital transformation across the entire asset and operational life cycles to maximise return on capital and improve profitability.

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