



Intergraph Smart® Cloud

Mega Oil Operator Saves \$1 Million Annually by Switching to Smart Cloud

Key Facts

Project Location: Canada

Operator JV: Lead Operator (60%), Canadian Operator (20%), Oil & Gas E&P Company (20%)

Products Used:

- SmartPlant® Foundation
- SmartPlant Markup Plus
- Intergraph Smart® Data Validator (SDV)

Delivery Platform:

- Lead Operator's in-house configuration via Intergraph Smart Cloud

Project Summary

This project represents the mining operation-portion of a mega oil sands project in Canada. The Lead Operator's asset had to discontinue the use of Livelink, the non-preferred DM solution, to save \$1 million of annual cost. The options for replacement at that time included the Lead Operator's own configuration of DM on Bentley ProjectWise, or SharePoint. However, neither of these two solutions were specifically configured to support engineering/technical documentation, nor did they support the concept of Project/As-Built (e.g. concurrent engineering projects as found in operations).

Hexagon PPM recommended implementation of the Lead Operator's DMDC into their EDW (data warehouse) configuration of SmartPlant Foundation, which was designed to support Project/As-Built mode. Hexagon PPM won the contract to develop this configuration for the internal template, and the Lead Operator implemented the local configuration into this template for this project. The project to develop both the central template version of DMDC on the SPF implementation by PPM and the local configuration (by the Lead Operator) successfully went live and saved \$1 million in annual operational costs for Livelink.

Business Benefits

- For the project, the avoidance of \$1 million in annual operating costs for Livelink and the provision of a truly engineering-oriented system that supports concurrent engineering for projects in an operational asset
- For the Lead Operator, the development of DMDC into its as-built configuration that can now be deployed on other operational assets to streamline work processes and avoid the use of multiple systems

Future Plans

- The Lead Operator asset team has successfully loaded the project documents and data from the asset's project into the cloud-based system. It is now looking to deploy SmartPlant Fusion into the same cloud estate to begin the process of capturing and cleansing other project documents and data. The longer-term goal for Hexagon PPM will be the eventual replacement of the operations DC and EDW with this cloud-based DMDC solution.
- The Lead Operator faced a challenging period with falling oil prices applying cost pressures to the business and industry. The Lead Operator maintains a strong focus on driving competitiveness and took the economic down-turn as an opportunity to further strengthen the heavy oil business by improving capital plans, operating models, efficiency, sustainability, and by finding ways to reduce costs.

Smart Cloud for Operations

Intergraph Smart Cloud can help operators meet the challenges of quality, consistency, and maintaining the high value of data-centric systems for both large and small projects. The Smart Cloud environment can transition from project to operations faster and much more effectively by providing:

- Seamless handover from FEED to detail design
- Early access to common project plan, design data, and equipment data
- More efficient procurement and economies of scale
- Seamless handover to commissioning, startup, and handover

About Hexagon

Hexagon is a global leader in sensor, software and autonomous solutions. We are putting data to work to boost efficiency, productivity, and quality across industrial, manufacturing, infrastructure, safety, and mobility applications.

Hexagon's PPM division empowers its clients to transform unstructured information into a smart digital asset to visualize, build and manage structures and facilities of all complexities, ensuring safe and efficient operation throughout the entire lifecycle.

Hexagon (Nasdaq Stockholm: HEXA B) has approximately 20,000 employees in 50 countries and net sales of approximately 3.9bn EUR. Learn more at [hexagon.com](https://www.hexagon.com) and follow us @HexagonAB.