

Schlumberger builds an innovative strategy to optimize its supply chain with data and AI



Avanade Advisory and Advanced Analytics lead an engagement to help the company rethink its logistics. Advanced analytics and AI will reduce manual work and improve value while preserving a positive customer experience.



Schlumberger is the world's leading provider of technology for reservoir characterization, drilling, production, and processing to the oil and gas industry. With product sales and services in more than 120 countries and employing approximately 85,000 people, Schlumberger supplies the industry's most comprehensive range of products and services, from exploration through production, and integrated pore-to-pipeline solutions that optimize hydrocarbon recovery to deliver reservoir performance sustainability.

Business situation

The company's legacy data platform – which provides stakeholders across the supply chain with source plans to get drilling fluids and chemicals to customers – needed a modern refresh to address inefficiencies.



Manual, time-consuming data collection process from multiple sources for a large team of employees



Different data structures across sources prevents auto syncing of data within system



Variability in data limits decision-making abilities, resulting in inflated inventory costs and lost opportunities

The challenge

Optimize the supply chain to calculate and manage costs while maintaining a high standard of customer experience using advanced analytics and AI.

The solution

Design a single data platform that connects sales, demand planning and fulfillment for data-driven decision-making. Schlumberger partnered with Avanade to discover, strategize and build a roadmap for success.



Automate

Data collection from multiple sources reduces manual work



Optimize

Advanced analytics allows for accurate calculation of costs and appropriate inventory levels



Predict

Analytics and AI work together to anticipate customer needs and proactively deliver products

Anticipated results

- ✓ Improved employee experience
- ✓ Enhanced customer experience
- ✓ Smart carrier and supplier selection
- ✓ Smart operational tactics and lower costs
- ✓ Increased sales

Learn how [Avanade Advisory](#) and [Advanced Analytics](#) can help you create and orchestrate practical digital transformation strategies to achieve outcomes faster.

