

AI-Powered Supply Chain Optimization Solution for a Global Consumer Goods Company



Faster analytics performance



Seamless Experience



Affordable Implementation



Competitive advantage



Save Days Worth of Effort

LET'S TALK



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Client Profile

Client is a premier perishable food production company that specializes in producing fresh and untainted consumables for both the domestic and international markets. With a variety of products, state-of-the-art facilities, and a commitment to sustainability and ethical practices, the company has earned a reputation for excellence and quality. Its ability to serve customers around the world makes it a leading supplier of perishable foods in the industry.

Problem Statement

Ever-changing market conditions, complex supply chain management, sourcing materials from multiple suppliers worldwide can create chaos in the supply chain and cause a taint in the reputation of any business. Especially, when the supply chain involves numerous stakeholders, including suppliers, manufacturers, distributors, and retailers all requiring effective coordination and communication. The Client needed a comprehensive solution for all their supply chain issues including risk management techniques; to optimize, enhance visibility, identify potential disruptions, minimize costs, increase efficiency and improve customer satisfaction.

Featured services

Automated Application Process

Ensures higher productivity and efficiency with a significant reduction in spent time.

Data Integration and Consolidation

The process of consolidation which earlier used to take a weeks' time can now be executed within hours.

Improved performance

Significant improvement in workforce productivity and business performance on account of automation of data consolidation and analytics.

Consolidated Reporting

Significant improvement in workforce productivity and business performance on account of automation of data consolidation and analytics.

Solution

Kanerika's team leveraged advanced data models and the latest AI engine TensorFlow to create a comprehensive work around to address the supply chain management challenges of the client.

Recurrent Neural Networks (LSTM model) were used to model time-series data, such as forecasting demand and inventory levels by analyzing historical sales data and identifying trends and patterns. Accurate demand forecasts facilitated better planning and production scheduling. Extensive data analysis on inventory levels, supplier performance was done to identify potential bottlenecks and recommend optimal strategies. Risk mitigation plans like supplier consolidation were suggested as the AI solution also employed predictive analytics techniques to identify and manage potential supply chain disruptions by analyzing data on market conditions, and geopolitical risks. The AI solution fostered effective collaboration among supply chain stakeholders by providing a platform for communication and information sharing. Improved collaboration led to better decision-making and faster problem resolution.

Business Impact:

- **Improved Supply Chain Performance:** The SCCP (Supply Chain Collaboration Platform) increased the visibility among stakeholders reducing stockouts and improved supplier performance; Demand forecasting capabilities led to better planning and production scheduling resulting in improved efficiency and reduced lead times
- **Enhanced Customer Satisfaction:** Improved supply chain performance led to better customer service and faster delivery times. Better inventory management made sure of the product availability. effective risk management techniques helped ensure consistent product quality
- **Competitive Advantage:** Increased efficiency and lower costs allowed the company to offer more competitive pricing; leveraging advanced AI technologies gave the company a competitive edge in the marketplace.

Why Kanerika?

Kanerika is a lead global IT consulting company offering innovative solutions & services for businesses. Kanerika focuses on Data Integration, Analytics, Process Automation and Cloud Management as core focus areas apart from Custom Product Development. ISO 27701 certified and SOC II compliant Kanerika processes ensure the quality, predictability and partnerships. Kanerika's technology and process expert teams have been helping its global clients with development and automation using agile methodologies.

