



Automate Supply Chain Optimization

concurrency.com

About Concurrency

- Concurrency is an organization of Change Agents. Inspired technologists who create value, challenge the status quo and deliver business outcomes.
- Concurrency helps you find better ways to leverage technology to fulfill your strategies and improve your business. It specializes in Cloud, Data & AI, Modern Apps and Secure Modern Workplace.
- Concurrency is a Microsoft Gold Partner, multiple-time Microsoft Partner of the Year winner, ServiceNow Elite Partner and was recently recognized with four 2020 Microsoft Partner Awards for success helping organizations leverage Azure, AI and machine learning to drive business results.
- Founded in 1989, Concurrency is headquartered in Brookfield, WI with additional offices in Chicago, IL and Minneapolis, MN. It was recently named to Inc. 5000's Fastest Growing Private Companies in America list for the fifth time.



Respond to Market Changes & Customer Demands with a Resilient Supply Chain

Challenges

- Desire to lower supply chain costs and create a more efficient and resilient supply chain while reducing environmental impact.
- Support automation of forecast development across multiple geographies and locations.

Solution

- Concurrency's automate supply chain optimization engagement delivers a unique approach to optimizing your supply chain by leveraging your data with Microsoft Azure ML, AKS, Databricks and Power BI.

Outcomes

- Reduce overstock inventory by 10-30%, inter-location shipping by 10-20%, and improve in-warehouse efficiency by 10-50%.
- Automate your ability to forecast your supply chain requirements across customer demographics.

Solution: Automate Supply Chain Optimization



Automate Supply Chain Optimization
Manufacturing IP Solution



Microsoft Azure ML, AKS,
Databricks and Power BI

- Automate Supply Chain Optimization engagement delivers unique approach to optimizing your supply chain by leveraging data with Microsoft Azure ML, AKS, Databricks and Power BI.
- Automate your ability to forecast supply chain requirements.
- Reduce overstock inventory by 10-30%, inter-location shipping by 10-20%, and improve in-warehouse efficiency by 10-50%.

Global Manufacturer Increases Forecast Accuracy and Gains Competitive Advantage with AI & Machine Learning

Challenge

- Global manufacturer generates a monthly sales forecast to manage operations at its seven distribution centers using a manual, time-intensive process.
- It uses a combination of ERP tools and Excel to set data up for computation analysis followed by **18 hours to generate the forecast.**

Concurrency Manufacturing IP Solution

- Concurrency leveraged the manufacturer's historical data, machine learning and predictive analytics to develop a forecasting model.
- During the evaluation phase, Concurrency's forecast model was proven to be more accurate when compared to the manufacturer's prior monthly forecasts and actuals.
- Solution leverages Microsoft's flexible machine learning platform, giving the company the flexibility to run it either in SQL Server or as an Azure cloud service.

Microsoft Technologies

- Azure Machine Learning
- Azure Kubernetes Services
- Azure Synapse
- Databricks
- Power BI

Return on Investment

- The manufacturer leveraged AI and machine learning to create a more resilient supply chain.
- It reduced forecast development time **from 18 hours to 10 minutes.**
- It **increased forecast accuracy by 44%.**





Call to Action

- contactsales@concurrency.com
- Learn more: [Concurrency Manufacturing IP Solutions webinar](#)
- www.concurrency.com



Concurrency

Thank You