

CASE STUDY

How a Global MedTech leader Improved Forecast Accuracy and Supply Chain Responsiveness with 3SC

15%
Improvement in demand forecast accuracy

12%
Improvement in overall operational efficiency

12%
Reduction in inventory holding costs

16%
Improvement in shipment accuracy

8%
Reduction in supply chain delays

10%
Reduction in disruption response time

About the Client

The company is a global medical technology company and a leading provider of blood glucose monitoring solutions. Its supply network included approximately 700 SKUs across more than 125 markets, supported by two manufacturing sites, five OEM partners, multiple packaging operations, 18 distribution centres, 40 logistics service providers, and approximately 200,000 shipments

> We needed a more consistent and connected approach to planning across our global supply chain. The engagement helped us improve forecast accuracy, strengthen visibility, and respond to disruptions with greater speed and confidence.

The Challenge

The key challenges included:

- Inconsistent demand forecasting across the global supply network
- Disconnected demand, inventory, and material planning
- Limited visibility across inventory, shipments, and disruptions
- Fragmented carrier data and shipment tracking
- Inefficient route-level lead-time management
- Heavy reliance on manual planning processes

The Solution

Connecting Planning, Visibility, and Logistics Through One IBP Framework

3SC implemented an integrated planning and operations framework combining process redesign, machine learning, real-time visibility, and logistics integration.

1. SIOP process assessment and redesign

The engagement assessed planning processes, SIOP collaboration, capabilities, technology gaps, and governance, then defined future-state methodologies, calendars, KPIs, inventory policies, and decision responsibilities.

2. Connected Demand Planning

ML forecasting improved demand baselines and accuracy while connecting demand, inventory, and material planning for better decisions.

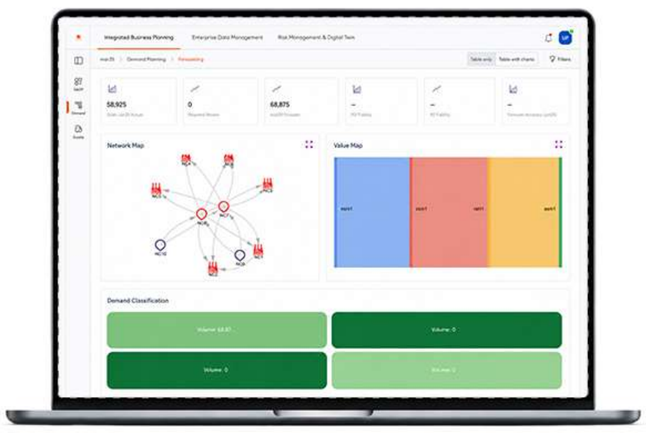
3. Real-time operational visibility

A centralised dashboard unified global inventory, order, and shipment data, while automated alerts enabled earlier disruption visibility and faster, coordinated responses.

4. Carrier and lead-time automation

Integrated carrier data and automated route-level lead times improved shipment tracking, reduced delays, and strengthened delivery performance.

Implementation Scope



- SIOP current-state assessment and future-state process redesign
- Standardisation of demand, inventory, and material planning
- ML-enabled demand forecasting and baseline development
- Integrated Business Planning workflows and governance
- Route-level lead-time management
- Centralised visibility across inventory, orders, and shipments
- Automated alerts for supply chain disruptions
- Carrier integration from first mile to final mile health dashboards
- Integration with the existing ERP, planning, and logistics environment

Why 3SC

3SC combined process transformation with technology implementation to standardise planning, strengthen governance, integrate existing systems, and embed real-time operational signals into decision-making. This created a more connected operating model, improved cross-functional coordination, and delivered measurable gains in forecast accuracy, inventory efficiency, disruption response, shipment performance, delivery reliability, and overall supply chain effectiveness.

