



Pharmaceutical Supply Chain Visibility Coordination

Client

Mid-Size Pharmaceutical
Manufacturer in New Jersey

Industry

Pharmaceutical
Manufacturing Supply Chain
Management

Solution

Supply Chain Coordination
Platform Supplier
Management System

Challenge

New Jersey pharmaceutical manufacturer with global operations faced 25-day average order-to-delivery cycles, \$5.2M annual costs from supply chain disruptions and expedited shipping, limited visibility into supplier performance and delivery reliability, manual coordination between manufacturing sites and distribution centers, and difficulty responding to demand fluctuations and supply chain interruptions.

AI Consulting Approach

- **Supply Chain Mapping:** Consultants analyzed existing supplier relationships, manufacturing processes, and distribution networks to identify coordination opportunities using supply chain visibility and performance management technologies.
- **Integrated Coordination Platform:** System connecting suppliers, manufacturing facilities, and distribution centers to improve communication and reduce supply chain lead times.

AI Solution

- **Supplier Performance Tracking:** Platform monitoring delivery reliability, quality metrics, and lead time performance across all pharmaceutical suppliers with automated performance reporting
- **Production Planning Coordination:** System connecting manufacturing schedules with demand forecasts and supplier delivery timelines to optimize production efficiency
- **Shipment Visibility:** Real-time tracking of pharmaceutical shipments from suppliers through manufacturing to distribution centers with proactive exception management



- Demand Response Planning: Analytics platform identifying demand changes and coordinating appropriate responses across manufacturing and distribution networks

Implementation (26 weeks total)

- Supply Chain Analysis (6 weeks)
- Platform Development (10 weeks)
- Supplier Integration (8 weeks)
- Testing Optimization (2 weeks)

Key Results

Supply Chain Performance:

- 16-day average order-to-delivery cycles (vs. 25 days), \$3.1M reduction in disruption and expediting costs, improved manufacturing and distribution coordination

Supplier Management:

- 85% improvement in delivery reliability tracking, enhanced supplier performance management, better response to supply chain issues

Business Impact:

- \$3.9M annual value creation, strengthened supply chain resilience, 185% consulting ROI, improved customer service and delivery performance

Technologies:

- Supply chain visibility platform
- supplier management systems
- shipment tracking tools
- demand planning software