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PREDICTIVE, AUTONOMOUS SUPPLY ORCHESTRATION FOR A GLOBAL PHARMA LEADER

COMPANY OVERVIEW

A top-10 global pharmaceutical manufacturer where distribution is mission critical for regulatory compliance, capital efficiency, and patient trust.

THE CHALLENGE

The organisation's traditional, manual distribution model could no longer keep up with global complexity:

- Multiple regulatory frameworks: MHRA, FDA, GxP, EU FMD, local rules
- Rising expiry and waste from unbalanced inventory
- Demand swings from new launches and treatment shifts
- Working capital pressure from excessive buffer stock
- Cold chain risk for sensitive biologics needing flawless control

Goal : Transform reactive operations into predictive, autonomous orchestration.

THE SOLUTION — AI ORCHESTRATION PLATFORM

Freedomtech deployed a SAP-native agentic AI platform combining predictive analytics with automated decisioning:

- Smart Allocation – Optimises supply based on urgency, risk & service levels
- Compliance Engine – Ensures every action meets global/local regulations
- Expiry Mitigation – Predicts shelf-life usage & triggers proactive reallocation
- Dynamic Rebalancing – Optimises cross-region transfers for cost & reliability
- Cold Chain Intelligence – Balances temperature risk, transit cost & carrier performance

A fully governed, AI-driven layer now orchestrates decisions end to end

BUSINESS OUTCOMES

- +8–12 pp improvement in Credit Recovery Rate (CRR)
- Zero compliance fines post-deployment
- 30–45% reduction in expiry/write-off losses
- Up to 7% savings in working capital
- $25M cost reduction across the distribution network

FINAL TAKEAWAY

The company shifted from manual, siloed workflows to autonomous, predictive distribution that delivers:

- Lower waste and risk
- Zero compliance deviations
- Higher accuracy and service levels
- A scalable, future-ready logistics model

A new gold standard for intelligent pharma supply orchestration.