

# Agentic AI for Optimized Inventory and Vendor Operations

Case Study

## Problem Statement

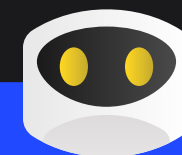
Our FMCG client faced challenges with inventory management and vendor selection for raw materials. Stockouts, overstocking, and inefficient vendor selection processes led to higher operational costs, production delays, and higher lead times. Manual tracking of inventory and vendor quote requests slowed the processes and hampered productivity

## Solution Overview



### Inventory Rebalancing Agent

Uses predictive analytics to forecast demand and rebalance inventory in real-time, reducing stockouts and overstocking across stores/warehouses



### Vendor Quote Analysis Agent

When inventory hits the minimum threshold, the agent identifies suitable vendors, requests quotes, and compares them based on price, quality, delivery, and reliability

## Business Impact

57% ↑

Operational Efficiency

42% ↓

Stockouts and Overstocking

15% ↓

Raw-Material Procurement Costs

47% ↑

Customer Retention