

Stockout AI Agent for Oracle



Continuously reads inventory, demand, sales orders, procurement, manufacturing, supplier, and planning signals inside Oracle, turning scattered exception data into a single, ranked shortage picture planners can act on.

HOW DOES THIS WORK

- Oracle stays as is—the system of record for item master, inventory, purchasing, order management, manufacturing, BOM, routing, and financials.
- The agent adds a predictive layer on top, augmenting Oracle, and not replacing it.
- Your current ERP investment, data model, and controls stay exactly as they are.

An intelligence layer on Oracle — not a replacement for it.

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Predict, prevent, and reduce stockouts across Oracle supply chain operations — before they reach the customer.

Stockouts & backorders

Excess safety stock

Emergency freight spend

Spreadsheet-driven planning

Unclear shortage priority

PROVEN IMPACT

5 - 15%

Service level improvement

up to 40%

Fewer stockouts

up to 25%

Lower expedite freight

10 - 25%

Less excess inventory

WHAT THE AGENT DOES

4-STAGE LOOP

Predictive Stockout Detection 01

Reads Oracle inventory, demand, sales orders, forecasts, POs, and work orders to score stockout risk by item, org, subinventory, location, and time bucket.

Dynamic Replenishment 02

Recommends order quantities, timing adjustments, and updated safety stock levels from demand, supply position, lead times, and fulfillment priorities.

Exception Prioritization 03

Ranks shortage alerts by customer impact, revenue risk, fulfillment urgency, and supply constraints, so planners work the highest-stakes items first.

Closed-Loop Learning 04

Checks actual stockout events against predictions and keeps refining recommendations using historical demand, supplier, and fulfillment behavior.

04 feeds back into 01 — every outcome retrains the next prediction

BUSINESS BENEFITS

- Improved service levels & OTIF
- Stronger inventory turnover
- Lower expedite & freight costs
- Faster planner decisions
- Greater operational agility

ROI MEASURES

- Stockout & backorder reduction
- Safety stock value reduction
- Expedite & freight spend reduction
- Fill rate & OTIF improvement
- Inventory turnover improvement
- Planner effort reduction