

Business Waste Mitigation Skill

Mitigate losses with AI-driven inventory risk detection and mitigation that maximizes margin recovery across materials and finished goods. Eliminate manual waste analysis, accelerate response times, and empower faster, better decisions at scale.

The Business Challenges

Effective inventory management is central to reducing loss, yet short-dated and excess stock often slips through the cracks. Siloed decision-making and disconnected tools delay actions and drive avoidable waste.

Common challenges organizations face:

No visibility into at-risk inventory

Limited, inconsistent data sharing prevents early identification of short-dated and excess stock.

Manual waste analysis

Teams sift through batch-level mismatches manually, delaying action and outcomes.

Siloed decision-making

Disconnected planning, demand, and logistics processes miss recovery opportunities.

Inconsistent margin recovery

Ad-hoc, non-standardized approaches limit cost-of-goods recovery.



The Aera Solution

The Business Waste Mitigation Skill detects at-risk inventory and plans the best mitigation path using real-time decision intelligence. It maximizes cost-of-goods recovery through optimized stock transfers, promotions, liquidation, donation, and scrap decisions.

How Aera addresses them:

Identifies at-risk inventory

It matches supply and demand at order-line and batch level to surface short-dated, blocked, and excess stock.

Determines optimal mitigation strategy

It evaluates supply and demand, eligibility rules, transport feasibility, and cost-benefit tradeoffs to recommend the most effective mitigation action.

Generates actionable recommendations

It creates ready-to-execute plans for redeployment, promotions, liquidation, marketplace listing, donation, or scrap.

Enables rapid execution

It assigns recommendations to the right teams — planning, category, demand, and logistics — with clear supporting insights.

Optimization Techniques

Aera applies a combination of techniques to optimize mitigation decisions.

Risk Identification

 Batch-Level Matching

 Shelf-Life Analysis

Mitigation Optimization

 Cost-Benefit Analysis

 Sequential Decision Logic

Learning and Adaptation

 Rule-based Eligibility

 Historical Rejection Analysis

Real Business Impact

A global consumer packaged goods (CPG) company struggled with business losses due to siloed decision-making and lack of integrated tools. Manual processes caused delayed actions on short-dated inventory, resulting in waste through scrapping and missed margin recovery.

After implementing Aera's Business Waste Mitigation Skill, the company automated risk detection and mitigation planning. Within weeks, the solution generated daily recommendations managing millions in cost-of-goods value, with high user engagement across functions. The program achieved:

99%

increased coverage across all potential risks

60%-80%

reduction in human effort

50%-70%

reduction in resolution time

The Aera Difference

Aera transforms waste mitigation from a manual, time-intensive, and inconsistent process into a streamlined, intelligent one powered by decision intelligence. It delivers a smarter, more scalable approach through:



Unified decision intelligence

It integrates inventory data, supply and demand projections, and mitigation strategies within a single, connected platform.



AI-augmented workflows

It enhances team productivity through intelligent, batch-level matching and sequencing that accelerates high-quality decisions.



Closed-loop execution

It enables end-to-end automation—from identifying at-risk inventory to executing and tracking mitigation actions for continuous improvement.

Ready to transform your supply chain loss management?

Discover how Aera helps you identify at-risk inventory and maximize margin recovery while minimizing waste.

Schedule a demo