

ketteQ Agents

# Supply Planning Agent

Adaptive supply planning powered by intelligent agents

## Supply planning has outgrown traditional approaches.

Static plans, limited scenario analysis, and manual processes make it difficult to keep pace with disruption, variability, and increasing network complexity. The result is excess inventory, missed commitments, and reactive decision-making.

ketteQ's Supply Planning Agent, powered by the patent-pending PolymatiQ™ agentic AI engine, enhances supply planning by continuously evaluating constraints, analyzing scenarios, and dynamically optimizing decisions.

Think of it as thousands of virtual planners working in parallel, 24/7, evaluating supply options, testing trade-offs, and learning from changes across your network.

Instead of relying on a single constrained plan or a fixed planning cycle, the agent continuously adapts at a highly granular level.

The result is more resilient supply plans, improved service levels, and faster response to changing conditions.

## Adaptive supply decisions across your network

The ketteQ Supply Planning Agent automatically determines and refines the best supply, inventory, and capacity decisions based on changing demand, constraints, and business priorities.

Using advanced optimization and probabilistic modeling, the agent continuously evaluates inputs and adjusts plans in real time.

Behind the scenes, it runs ongoing intelligent experiments, testing different supply scenarios, constraints, and trade-offs to identify the most effective and practical outcomes.

## Benefits

Higher Service Levels with Lower Inventory

Stronger Response to Supply Disruptions

Faster, More Informed Decision-Making

Reduced Manual Planning Effort

Fast Time-to-Value



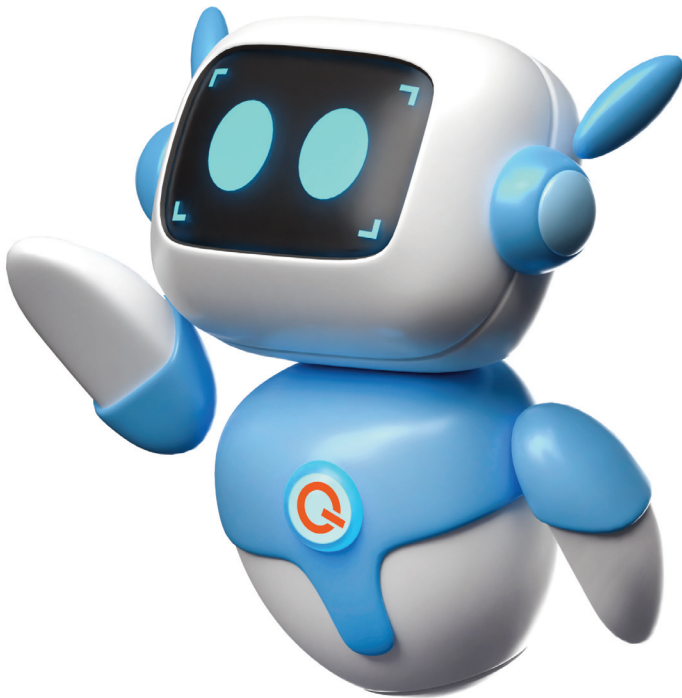
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## A More Intelligent Approach to Supply Planning

Traditional systems rely on fixed plans and periodic updates. ketteQ expands supply planning into a continuously evolving intelligence layer.

The Supply Planning Agent integrates demand signals, supply constraints, inventory positions, and network dynamics to create a more complete and actionable view of supply.

At any given time, it evaluates thousands of potential supply scenarios, enabling better decisions based on the most feasible and most valuable outcomes.



## Advancing Toward Agentic Planning

ketteQ's Supply Planning Agent enables a shift from static plans to a more adaptive model:

- Continuous evaluation of supply options
- Parallel scenario analysis across the network
- Real-time plan adjustments
- Greater focus on strategic decision-making

## Key Capabilities

### Multi-Scenario Supply Optimization

Evaluates a wide range of supply, inventory, and capacity scenarios to identify optimal outcomes.

### Constraint-Aware Planning

Accounts for supplier constraints, lead times, and capacity limits to ensure realistic plans.

### Dynamic Replanning

Continuously adjusts supply plans as conditions change across the network.

### Intelligent Trade-Off Analysis

Balances service levels, cost, and inventory to support better decisions.

### Flexible Deployment

Existing supply chain planning systems by running ketteQ agent in current planning environments or within ketteQ's end-to-end agentic planning platform for rapid value.

### Powered by PolymatiQ™

PolymatiQ™ enables high-speed scenario analysis, predictive insights, and continuous optimization.

By evaluating a wide range of possible outcomes, it helps organizations make better, faster, and more resilient planning decisions.

## Plan for every possibility with ketteQ

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