

Leveraging Agentic AI to Automate Distribution Operations


How a leading US distributor is building and orchestrating agentic AI systems to fully automate their operations infrastructure across all distribution functions and workflows.


PROBLEM


A prominent beverage distributor in the United States manages thousands of licensed retail accounts and a complex physical operation spanning trucks, routes, inventory, and store relationships across multiple states.


Every critical workflow – including onboarding accounts, reconciling inventory, loading trucks, planning routes and processing payments – required many experienced people to perform time-intensive tasks. They decided to fully automate these manual tasks using agentic AI systems and an AI orchestration platform that could:



 Orchestrate multiple agents across account management and physical operations simultaneously

 Ingest and act on real-time data across documents, systems and field activity

 Identify situations of interest and respond without human initiation

 Scale from assisted automation today to fully autonomous operations over time

THE SOLUTION

Vantiq is building a coordinated system of AI agents across this distributor's end-to-end operation. Each agent connects to the systems it needs, identifies situations of interest from incoming data, and acts – with human escalation built in only for decisions that require advanced decisioning. Together these agentic systems form an autonomous operations layer designed to eliminate manual work across the entire distribution business.

WHY VANTIQ

Building agentic systems across inventory, logistics, finance and compliance requires a platform that can orchestrate multiple AI agents simultaneously, ingest real-time data from across the operation and respond to events as they occur. Vantiq is the only solution purpose-built for exactly this level of complexity.

KEY RESULTS

11+
agentic AI systems deployed across the full operation

1000s
of licensed retail accounts across the network

50+
data fields automated per account onboarding

AGENTIC AI SYSTEMS

Orchestration across every layer of the operation.

Account Onboarding

Extracts data from documents and photos, populates 50+ required fields, and verifies liquor license status against state and city databases automatically.



Inventory Reconciliation

Monitors inventory continuously. When stock drops without a corresponding order, the discrepancy is flagged immediately.



Store Reordering

Analyzes stock levels at each retail location and generates reorder recommendations without a rep needing to walk the floor.



Route and Load Optimization

Calculates optimal truck loads and assigns routes to minimize fuel cost, avoid overweight penalties, and reduce vehicle wear.



Financial Reconciliation

Matches purchase orders against incoming payments across every account and flags discrepancies in real time.



Governance and Oversight

Monitors all other agents continuously, tracking performance and flagging errors across the full system.



WHAT COMES NEXT

A phased path to full autonomy

Built in phases: the initial agentic systems handle individual workflows, then over time connect into a fully orchestrated operation where systems for onboarding, compliance checks, inventory management, load planning, and route optimization interact seamlessly, and the entire operation runs autonomously.

See how real-time orchestration and AI-driven automation can transform your distribution operations.

Schedule a live demonstration and discover what's possible.

Visit www.vantiq.com