



AutoStore Intelligence™

AI That Delivers Measurable Fulfillment Gains

What Is AutoStore Intelligence?

AutoStore Intelligence is the fully integrated AI layer of the CubeVerse™ platform, powering the entire AutoStore lifecycle, from system design, simulation, configuration, daily operations, optimization, and predictive diagnosis. It is not an add-on, but the intelligence foundation embedded into how every AutoStore solution continuously improves.

Built as a suite of 20+ proprietary AI models and agents trained on more than 15 TB of operational and simulation data, AutoStore Intelligence continuously evolves through the collective insights of a global community of ~1,300 customers and partners. As the AutoStore network grows, so does the learning pool, compounding intelligence and strengthening competitive advantage over time.

By transforming complex system behavior into validated optimization and clear action, AutoStore Intelligence shifts warehouse automation from static execution to a self-optimizing fulfillment engine. This establishes a measurable path to intelligent fulfillment and, ultimately, lights-out operations.

How AutoStore Intelligence Works Today

AutoStore Intelligence currently contributes value across these parts of the lifecycle:

Simulation: Helps right-size solutions to extract hidden capacity and accelerate time-to-value.

Daily Operations: Reduces disruption by identifying operational inefficiencies and offering corrective guidance.

Predictive Diagnosis: Surfaces anomalies and early indicators of system health issues to reduce downtime.

Community Intelligence: Applies learnings from thousands of global deployments to strengthen performance for all customers.

These are the currently available intelligence capabilities as of Q1 2026. Additional capabilities will be introduced as AutoStore continues to expand its AI development roadmap.

The logo for AutoStore Intelligence, featuring a stylized grid of dots in purple and blue to the left of the text "AutoStore Intelligence" in a dark grey sans-serif font.

Customer Impact of AutoStore Intelligence

- **Lower Total Cost of Ownership**
AutoStore Intelligence maximizes the value of existing automation by delivering performance gains without requiring new hardware. AI-powered diagnosis and predictive insights reduce unplanned expenses, support right-sized system design, and extend system lifespan.
- **Performance Gains**
AI-driven optimization extracts hidden capacity even when adding more Robots no longer delivers improvement. Customers achieve meaningful throughput gains through smarter Robot routing, congestion reduction, and solution-level orchestration.
- **Proactive Operations Through Predictive Intelligence**
Intelligence detects anomalies, identifies risks, and recommends corrective actions, reducing time-to-decision and shrinking maintenance response time from hours or days to minutes.
- **Compounding Value Through Community Intelligence**
AI models learn from thousands of deployments globally. This shared intelligence creates network wide improvements that strengthen performance at scale.
- **Path to Lights-Out Fulfillment**
AI-powered optimization and robotic picking workflows lay the foundation for 24/7 autonomous operations, enabling more resilient, scalable, and cost-efficient fulfillment.



AI-Powered Capabilities (Announced as of Q1 2026)

AutoStore Intelligence currently enhances three flagship applications, with additional capabilities planned as AI development progresses.



AutoStore Intelligence in CubeControl™ – AI-Driven Grid Optimization

AutoStore Intelligence tunes routing parameters and establishes optimized Robot highways using data-trained AI models, not manual rules. This delivers meaningful throughput gains, reduced congestion, and smoother flow for urgent orders, all without additional hardware.



AutoStore Intelligence in CubeAnalytics™ – AI-Generated Insights & Predictive Diagnosis

AI recognizes complex patterns, flags anomalies, predicts disruptions, and creates AI-generated performance summaries that save 2+ hours every time you run an analysis. This accelerates decision making, protects SLAs, and lowers support costs through proactive issue resolution.



Robotic Piece Picking – AI-Driven Workflow Optimization

With vision AI models at its core, robotic piece picking continually improves accuracy, speed, and decision making. AutoStore Intelligence optimizes system-level performance.

Where AutoStore Intelligence Delivers the Most Impact

AutoStore Intelligence is designed to support fulfillment operations across industries and scales. It delivers the most impact in environments where performance, uptime, and rapid decision-making are critical:

- **High-Throughput Operations**
AI-optimized routing and Robot highway configuration unlock new capacity within existing infrastructure; essential for dense, fast-moving fulfillment.
- **Proactive System Health Management**
AI identifies outliers and potential failures across Robots, Ports, and Bins, reducing downtime and lowering support costs.
- **Multi-Site Network Optimization**
Community-trained models and shared global benchmarks offer consistent performance across sites and faster replication of best practices.