

Improve Supply Chain Performance with Decision Intelligence



Optimize your inventory, mitigate risks, and improve margins with decision intelligence.

Increase Revenue and Reduce Costs with Faster, Smarter Decisions

Global supply chains rely on accurate, timely, and contextual data to mitigate risk, manage disruptions, and drive innovation. Yet one persistent issue undermines these goals: fragmented, low-quality data. When data is siloed, outdated, or inconsistent, it erodes the performance of analytics and AI models, leading to poor decisions, missed opportunities, diminished ROI, and increased risk.

Organizations struggle with fragmented, inaccurate, and siloed data, limiting their ability to see and fully understand their operations. The inability to connect, see, understand, and act on data causes challenges in making faster real-time decisions. Within supply chain, turning fragmented data into predictive, prescriptive action impacts three areas in particular: inventory optimization, risk mitigation, and margin optimization.

- **Inventory optimization through predictive demand:** Traditional forecasting is backward-looking and disconnected from real-world volatility (seasonality, promotions, disruptions, clinical variability, etc.).
- **Risk mitigation through disruption detection:** Supply chains often discover issues too late, such as supplier delays, transportation bottlenecks, geopolitical events, and demand spikes.
- **Margin optimization with improved service levels:** Organizations struggle to balance cost, service levels, and profitability. Too much inventory protects service but destroys margin; too little inventory protects cash but risks revenue.

InterSystems Supply Chain Orchestrator™ is an AI-enabled supply chain decision intelligence engine built to help organizations make faster, more informed decisions. By unifying data from disparate systems into a real-time connective layer, it provides predictive and prescriptive analytics that enable faster, smarter decisions, all without replacing or disrupting existing infrastructure.

Visit our supply chain [decision intelligence](#) page to learn how InterSystems can help. We've been the engine behind the world's most important applications for over 45 years; it's in our DNA.

Why Decision Intelligence Matters

Decision intelligence matters because modern supply chains are more volatile, more complex, more data-rich, and more financially exposed. Traditional tools show what happened; decision intelligence determines what will happen and what companies should do about it. The impact on the business is real:

Inventory Optimization

Decision intelligence combines historical demand, real-time signals, supplier lead times, and constraints, runs scenario simulations, and dynamically adjusts safety stock and reorder points. This helps companies reduce stockouts, lower working capital, improve inventory turns, and reduce inventory obsolescence.

Risk Mitigation

Monitoring upstream and downstream risk signals, flagging exceptions before service failures, and simulating alternate sourcing or routing are key enablers of decision intelligence. This results in higher OTIF (on-time, in-full) performance, reduced revenue exposure, and increased resilience.

Margin Optimization

Decision intelligence models service-level targets by SKU or customer segment, quantifies revenue risk from stockouts, optimizes allocation during shortages, and recommends margin-aware decisions. The results: improved gross margin, revenue protection, smarter allocation during constraints, and data-driven trade-off decisions.

[Request a demo](#) to learn more about Supply Chain Orchestrator.

Why InterSystems

InterSystems brings over 45 years of data expertise, powering mission-critical systems and solving complex data challenges with unmatched performance, flexibility, and reliability. Our proven technology supports seamless integration, while our unique, multi-model architecture enables tailored solutions that evolve with your supply chain needs. With industry-leading customer support and low-code tools, we help organizations solve complex supply chain challenges faster and smarter.

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For information regarding InterSystems approach to AI, visit [InterSystems AI Guidelines](#).

