

# Make more informed decisions by analyzing, predicting, and acting on insights that optimize your supply chain with Microsoft Azure

## The challenge

Manufacturers must embrace technology that offers agility in the supply chain to quickly respond to changes in environment, customer preferences, competitive forces, or unforeseen crises.



**Growing need for cost efficiencies** to suppress increasing freight labor, and rising commodity prices

**Lack of end-to-end visibility** due to siloed systems and massive volumes of data needed for robust insights

**Greater need for agility and resilience** to quickly respond to changes in environment

**New customer demands** for faster, accurate fulfillment across multiple global channels

## The solution

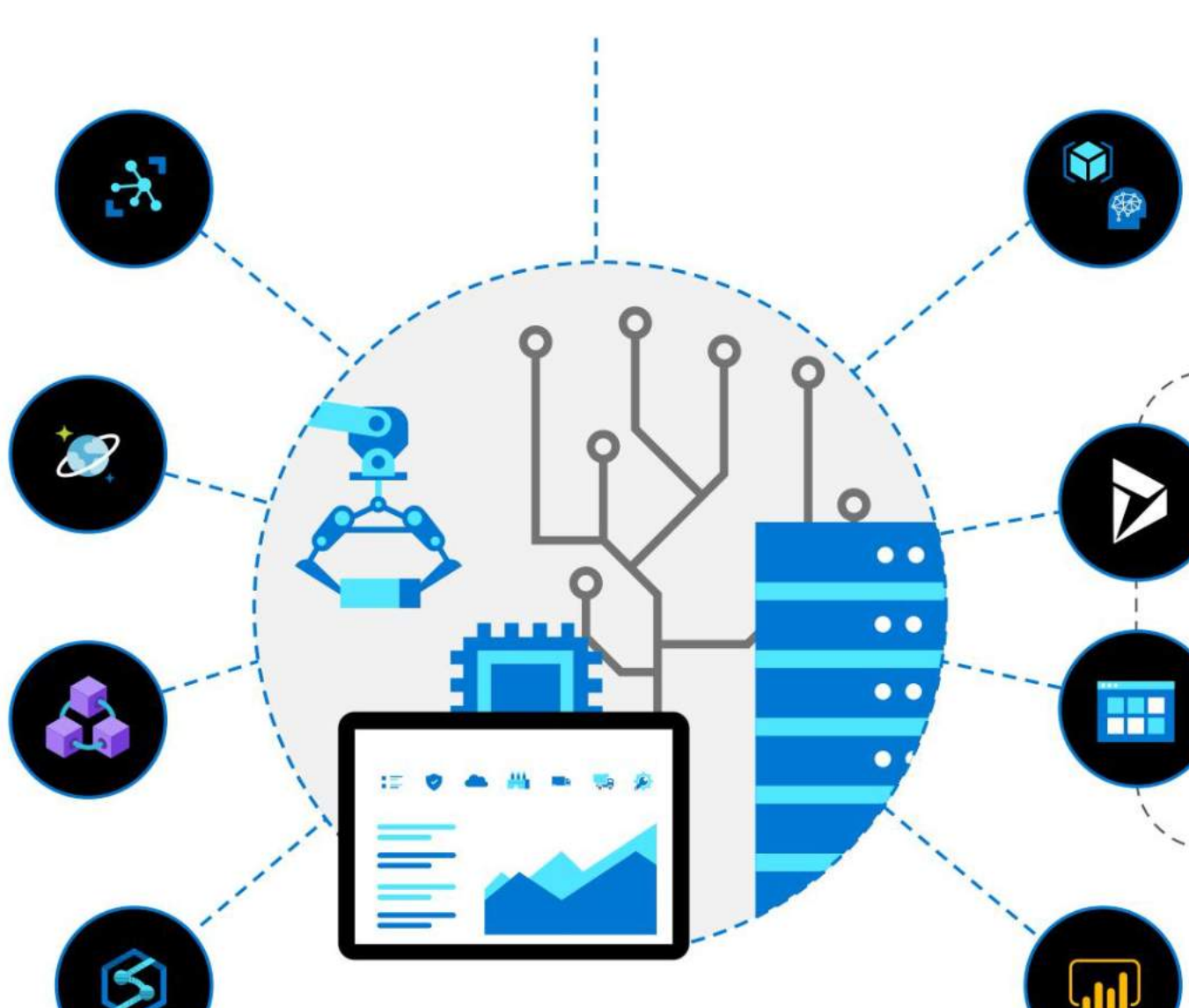
Azure enables manufacturers to harness data to unlock new efficiencies, reduce costs, and increase the resilience of the supply chain.

**Azure IoT**  
Connect your supply chain operations to the cloud or extend intelligence to the edge

**Azure Databases**  
Fully managed relational, NoSQL, and in-memory databases

**Azure Blockchain**  
Increase transparency, traceability and safety of your shipments

**Azure Synapse Analytics**  
Gather, store, process, analyze, and visualize supply chain data to glean critical insights



**Azure AI and Machine Learning**  
Simulate scenarios and generate prescriptive recommendations throughout the supply chain

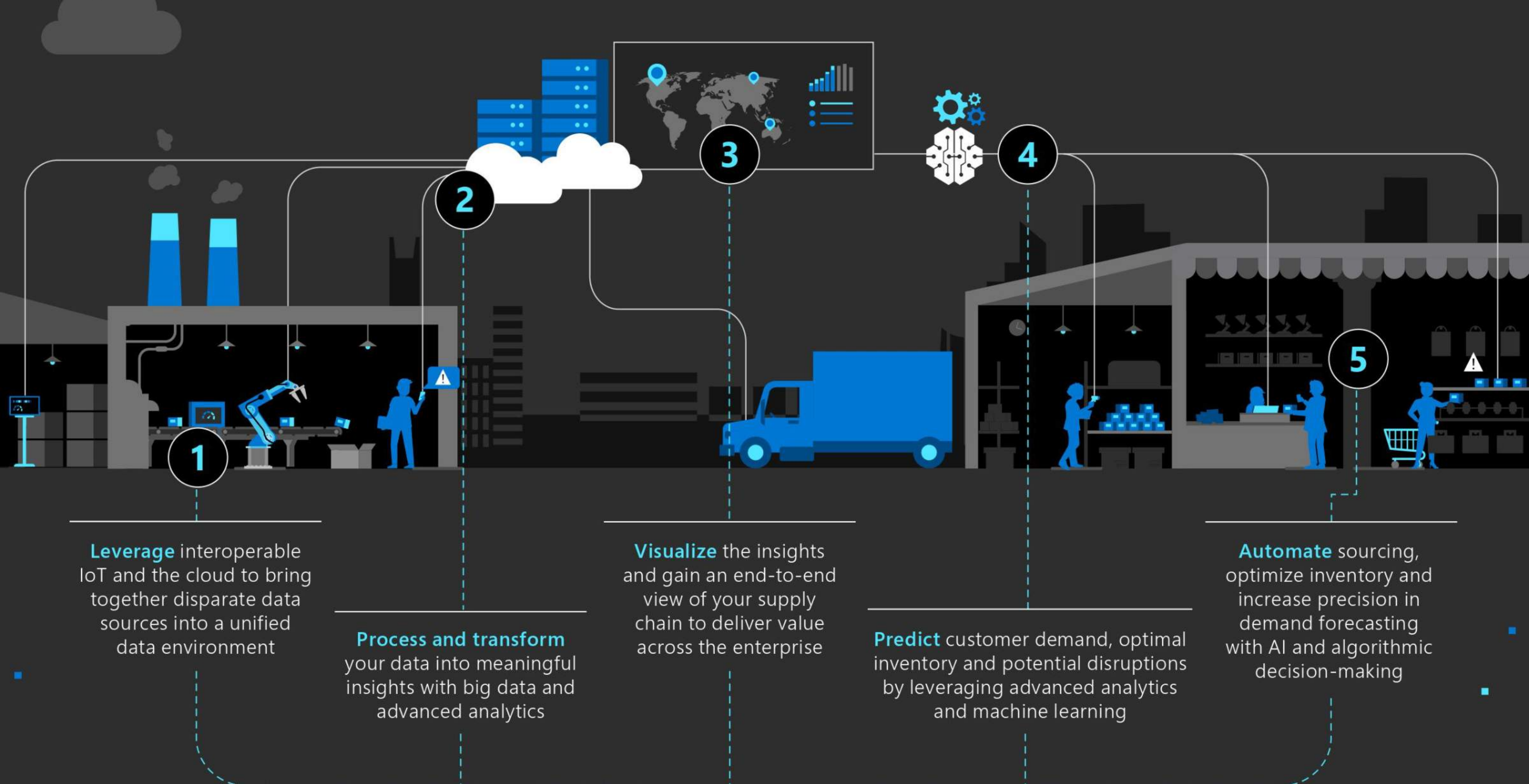
**Extensibility**  
**Dynamics 365**  
Integrate with Dynamics 365 portfolio, including Supply Chain Management, to meet your exact needs

**AppSource**  
Leverage over 2,000 applications from leading manufacturing partners for your supply chain solution

**Power BI**  
Connect all your existing apps and data sources to analyze, share, and promote insights across your supply chain

## How it works

Manufacturers use Azure to make more informed decisions by seeing, analyzing and acting on insights from supply chain operations.



**Leverage** interoperable IoT and the cloud to bring together disparate data sources into a unified data environment

**Process and transform** your data into meaningful insights with big data and advanced analytics

**Visualize** the insights and gain an end-to-end view of your supply chain to deliver value across the enterprise

**Predict** customer demand, optimal inventory and potential disruptions by leveraging advanced analytics and machine learning

**Automate** sourcing, optimize inventory and increase precision in demand forecasting with AI and algorithmic decision-making

## Results

Greater supply chain agility and ability to respond quickly to disruptions

Increased customer satisfaction, loyalty, and retention

Improved decision making and risk reduction

Lower sourcing, inventory, and delivery costs while maintaining service levels

Enhanced sustainability efforts and waste reduction

New efficiencies gained through increased automation

## Benefits

**VP of Supply Chain, Chief Supply Chain Officer**

Implement resilient supply chains that are predictive, intelligent, and agile  
Make informed decisions confidently, quickly, and accurately  
Predict and respond to risks or setbacks

**Chief Operating Officer, Head of Manufacturing Operations**

Garner faster, timelier, and more comprehensive insights  
Gain the ability to adjust production schedules as needed  
Democratize information to workers everywhere

**Chief Technology Officer, Chief Information Officer, Chief Data Officer**

Aggregate all operational and business data into a single view  
Optimize end-to-end supply chain and business performance  
Simplify horizontal and vertical supply chain integration

"Inefficiencies in inventory management cost the industry about \$4 billion USD in 2018, and unplanned maintenance cost about \$20 billion USD. Blockchain gives us the opportunity to start to solve some of these issues."

-Milesh Gogad, Chief Marketing Officer | GE Aviation's Digital Group

[View case study >](#)

[Coats case study >](#)

[Majans case study >](#)

See how Azure is empowering manufacturers to achieve more. [View more case studies >](#)

## Cloud computing with Azure



**Be future ready**

Unified data strategy, unparalleled pace of innovation and mission critical AI capabilities the power innovation across the enterprise and supply-chain



**Build on your terms**

Commitment to open ecosystems, enabling system interoperability to develop applications with the tools of your choice



**Operate hybrid seamlessly**

Consistent performance and scalability across edge, hybrid and cloud, allowing you to bring the cloud to your factory floor



**Trust your cloud**

Comprehensive security from the shop floor to the cloud, leading compliance industry coverage and best-in-class IP protection

Let's get started