Sensor Data Intelligence

Create a smarter factory using connected sensors to automate data collection, then harness IoT's power to produce actionable insights that help you continually improve.

Data as a strategic asset

Data is at the core of the modern enterprise. There is a competitive advantage in the ability to process raw data faster to deliver more actionable insights. Yet, as the number of Internet of Things (IoT)-connected sensors in the supply chain grows exponentially, businesses are struggling to turn the idea of digital transformation into a reality. Top performers understand that a nimble and open architecture is required to connect an ever-expanding universe of data sources and then turn this raw data into a competitive advantage.

Dynamics 365 Supply Chain Management

Sensor Data Intelligence is an add-in that integrates IoT sensors and signals with data in Supply Chain Management. Monitor goods at key points in the value chain, and use analytics to transform supply chain processes from reactive to predictive. Improve uptime, throughput, and quality by proactively managing shop floor and equipment operations with a real-time view of your entire production and stock. Simply put, sensor data intelligence powers digital transformation.

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Supply Chain Management

Benefits

Leverage game-changing technology
Save employees valuable time by eliminating the need to manually collect process data, improving the accuracy and timeliness of the data you collect while lower costs.

Improve data collection
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Deploy paperless operations
Gone are the days of pen, paper, and clipboards or multiple excel sheets on localized machines. Put an end to data silos and go paperless by enabling IoT sensors to automate data collection.

Reduce downtime
Preventative maintenance has helped supply chains reduce equipment downtime. With IoT sensor data, a business can enable further improvements by using predictive analytics to determine optimal maintenance schedules.

Gain real-time supply chain visibility
Location tracking and condition monitoring revitalize the very idea of supply chain visibility, and with IoT intelligence, real-time visibility is at hand.

Key features

Ingest sensor data
Create connected, smart operations by integrating sensor data from IoT devices from any point in the value chain.

Remotely monitor production
Push notifications to employees in real-time when production is behind scheduled supply plans.

Ensure quality
Continuously monitor critical-to-quality product characteristics throughout the production process and automatically be notified when specifications are out of acceptable tolerances.

Increase uptime
Automate notifications and requests for maintenance when production equipment stops during a scheduled run and reduce costly downtime of business-critical equipment by performing predictive maintenance before disruptive failure occurs.

Dynamics 365 allows you to harness a myriad of data sources from across your supply chain through the cloud and then leverage that data as the backbone for business innovation.

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