

The Manufacturing Transformation

Resilient Manufacturing Supply Chain

Manufacturers who embrace advanced technologies will drive intelligent operations, enhance product quality, and increase sustainability in ways that traditional methods can't match.

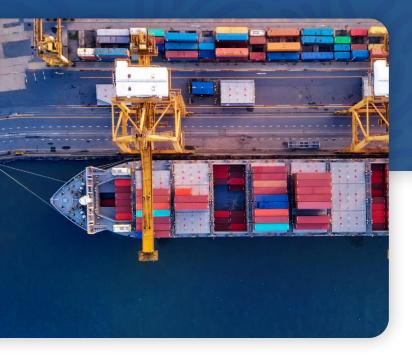


Today's manufacturing challenges

Employing tech-based solutions can help manufacturers overcome some of today's most pressing challenges.

Inflationary pressure

High operational costs lead to lower profit margins and drive customers to competitors.



Operational inefficiency

Manual processes can lead to frequent downtime, hurt product quality, and cause resource inefficiency.

Evolving regulations

Environmental and sustainability concerns push manufacturers to utilize more sustainable resources and optimize their energy usage.

Labor shortages

Increasing competition for talent in a tight labor market makes it challenging to find reliable new hires while retraining current employees, which can strain organizational resources and negatively impact output.

"76% of manufacturers are adopting digital tools to gain enhanced transparency into their supply chain."

Intelligent supply chains for the future

Build a resilient manufacturing supply chain by analyzing multi-tier supplier and market data with Al and advanced analytics capabilities.

What's possible?

Intelligent demand forecasting and planning

Optimize planning processes end-to-end, leverage data and AI to improve demand forecasting models, and optimize inventory levels.

Real-time visibility and risk

Gain continuous real-time visibility into the supply chain to better predict and manage potential risks.

Seamless warehousing and fulfillment

Employ automation and intelligent fulfillment systems to increase customer satisfaction.

Solutions in action: Sandvik improves predictive maintenance with AI and cloud technology

Sandvik makes the mining industry more sustainable using Microsoft Azure cloud analytics and Al.

Read the whole story >



"Generative AI could help identify and simulate potential disruptions or risks in the supply chain. By assessing port congestions, shipment routes, and tier-n supplier mapping, generative AI can be used to predict risks, their corresponding impact on operations, and recommend actions to mitigate those risks."²

Read the e-book <u>The Manufacturing Transformation</u> > Discover <u>Microsoft Cloud for Manufacturing</u> >