Creating seamless connectivity in manufacturing with digital threads

Unlock efficiency and innovation

From geopolitical conflicts to climate regulations and AI-driven market changes, traditional manufacturing models are struggling to adapt. Leading organizations are implementing digital thread solutions to connect information across their operations, enabling more resilient supply networks, improving operational efficiency, managing software complexities, and building direct customer relationships.

Learn more

Building the digital thread for Manufacturing ›

Top reasons to implement a digital thread in manufacturing

1 **Better supply chain visibility —** Connect and monitor your entire supply network in real time, enabling faster responses to disruptions and more accurate planning, reducing stockouts by up to 30% while minimizing excess inventory.

2 **Improved first-time quality —** Trace quality issues to their source by connecting design, production, and quality data, reducing rework costs and warranty claims while delivering superior products to customers.

3 **Accelerated innovation —** Shorten product development cycles by ensuring all teams work from the same information, eliminating time-consuming handoffs and enabling parallel workflows across engineering and production.

4 **Streamlined regulatory compliance —** Maintain comprehensive records of materials, processes, and environmental impacts, simplifying reporting and certification while reducing the risk of non-compliance penalties.

5 **Enhanced customer relationships —** Connect product data with customer information to enable personalized service, predictive maintenance, and targeted communication that drives loyalty and repeat business.

6 **Optimized resource utilization —** Identify inefficiencies across operations through connected data analysis, reducing energy consumption, material waste, and production costs while improving sustainability metrics.

7 **Faster decision-making —** Eliminate information silos that delay critical decisions, providing leaders with comprehensive insights to address challenges and opportunities with confidence and speed.