

ASSEMBLING A SMARTER FACTORY

Streamline operations, reduce overhead and enhance security through digital transformation

The adoption of the Industrial Internet of Things (IIoT), advanced analytics and other technologies requires a modernized network to keep manufacturing (MFG) operations reliable, efficient and secure.



605 successful ransomware attacks were reported in the U.S. industrial sector in 2022.¹

New threats require defense in depth with security solutions that protect not only network access, but also connected devices and an increasingly mobile workforce.



60% of large manufacturers in one survey said they've adopted SD-WAN.²

Manual processes and high costs complicate legacy network connections among factories, warehouses and headquarters. A cloud-based network offers better performance management and easier maintenance for resource-constrained IT teams.



Nearly 80% of MFG executives say they've experienced supply chain problems.³

Advanced analytics backed by high-capacity connections to cloud service providers enable you to optimize shipment schedules and inventory for maximum efficiency.

2.1M Expected shortage of skilled MFG employees by 2030.⁴

IIoT automates more manufacturing processes, quality assurance tasks and preventative maintenance to allow fewer workers do more. Maximizing the benefits of these devices requires reliable, uninterrupted LAN connectivity and an easily scalable modernized network infrastructure.

Learn more about how modernized network solutions from Spectrum Enterprise® can support the technologies that drive efficiency and security in manufacturing.

[Read the executive brief.](#)

1. Christian Vasquez, "[Ransomware Attacks Surge Against U.S. Manufacturing Plants](#)," CyberScoop, February 14, 2023.
2. Brian Washburn, "[SD-WAN Transforms Retail, Business Services and Manufacturing](#)," Expereo, May 2, 2022.
3. Aditya Narayan, Timothy Murphy and Bill Marquard, "[Looking to Make Your Supply Chain More Resilient? Measure It](#)," Deloitte, 2023.
4. "[2022 Manufacturing Industry Outlook](#)," Deloitte, 2022.

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