

How achieving Enterprise Intelligence can help build a factory of the future, today

The connected factory needs an advanced, virtualized network to extract the insights needed to support the data-intensive applications and built-in computing power required to take action in an instant. Leveraging these insights can help you build a more agile, resilient and successful manufacturing organization, and the factory of the future, today.

That's Enterprise Intelligence!



89%

of manufacturers expect to use more smart factory technology over the next two years.¹

Here are five ways achieving Enterprise Intelligence can help you transform your operations.

1. Create a clear vision and road map

IoT data allows manufacturers to shift from calendar- or milestone-driven maintenance to condition- or data-driven maintenance, reducing downtime and unexpected maintenance costs.



73%

of manufacturers experienced product or project errors or delays due to challenges in collaboration and finding a shared vision, which often undermined technology innovations.

2. Advocate for digitization and a data-driven culture

Cultural transformations require executive champions committed to change and improvement. Manufacturing leaders play a pivotal role in digital reinvention and the connected factory's success. Empower employees to continuously improve operations by using and sharing data, optimizing their workflows, and providing regular feedback. Invest in your talent by building data literacy and other digital skills.



53%

of manufacturers said a lack of skilled employees was their top challenge when building a factory of the future.²

3. Use the right infrastructure to facilitate data-driven operations

Achieving Enterprise Intelligence requires the right IT infrastructure to capture the data the connected factory floor generates—and make it comprehensible and actionable. Mobile edge computing paired with mobile connectivity can allow organizations to collect, process and store data locally, instead of sending it back to a central cloud or data center. This could enable near real-time analytics and help get data to the right people at the right time. It's also the foundation for data-driven operations, such as moving from calendar-based factory equipment maintenance to condition-based and predictive maintenance.



33%

of smart factory leaders lack the IT infrastructure to achieve connected factory initiatives.³



4. Create standards for data management, availability and security

A digital-first, data-driven manufacturing culture needs consistent standards for how data gets collected, stored and used—and standards for its availability and security. Strengthen your security posture by leveraging mobile edge architecture to process and store sensitive data on-premises instead of sending it back to a cloud.



79%

of manufacturers believe cyber risk is higher in a smart factory than in a traditional factory.⁴

5. Connectivity is critical

Implementing the right network foundation is crucial for manufacturers seeking to optimize their operations with rapid, accurate information. A private 5G network can allow manufacturers to integrate technologies that require increased bandwidth, low latency, critical application prioritization and more.



91%

of manufacturers believe 5G connectivity will be important to the future of their business.⁵

Don't just connect your factory. Make it even smarter. Verizon's network and advanced technology solutions can help you build the connected factory of the future. Learn what Enterprise Intelligence means for you



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¹ Manufacturing Leadership Council, Transformative Technologies in Manufacturing, <https://www.manufacturingleadershipcouncil.com/survey-oct-29988>

² Manufacturing Leadership Council, Manufacturing 4.0 Progress Survey, <https://www.manufacturingleadershipcouncil.com/outlook-hazy-for-manufacturing-4-0-progress-survey-shows-269877/>

³ Deloitte, Implementing the smart factory, <https://www2.deloitte.com/us/en/insights/topics/digital-transformation/smart-factory-2-0-tech-ology-initiatives.html>

⁴ Capgemini, Smart & Secure: Why smart factories need to prioritize cybersecurity, page 2, https://prod.ucwe.capgemini.com/wp-content/uploads/2022/06/Cybersecurity-in-Smart-Factories_Web-2.pdf

⁵ Manufacturing Institute, How 5G is Transforming the Manufacturing Landscape, page 4, <https://www.themanufacturinginstitute.org/wp-content/uploads/2021/03/Manufacturing-Institute-5G-study.pdf>