

Empower your factory to work even smarter.

5G Edge Quality Assurance for Production enables you to monitor production lines in near real time to boost quality control.

Solution brief

The next-generation factory isn't just about speed. Connected factories are reimagining what's possible: improving floor safety, enabling real-time machine communications and achieving high standards in quality assurance. Verizon's 5G Edge Quality Assurance (QA) for Production,* built on our mobile edge computing (MEC) platform, enables manufacturers to reengineer their processes and help cross their QA thresholds. This is Enterprise Intelligence.

5G Edge QA for Production uses computer vision (CV) technology, leveraging Verizon's 5G Edge platform services, to help monitor and detect production anomalies in near real time. This private MEC-hosted software-as-a-service (SaaS) solution enables you to track raw materials and input, as well as work-in-progress inventory and finished goods, and help ensure they are within your quality acceptance thresholds.

With QA for Production, you can:

- Increase throughput
- Decrease waste
- Reduce quality control staff hours

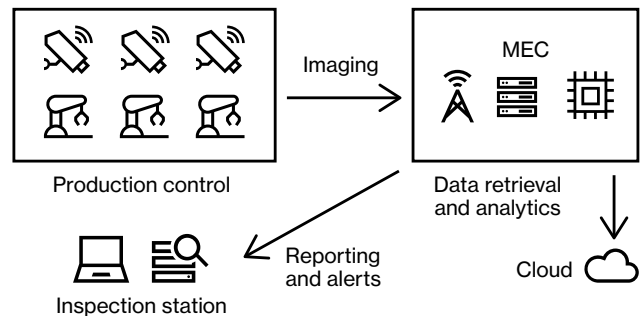
QA for Production enables you to harness the power of 5G and MEC to streamline production processes and help ensure that produced goods meet your exacting standards.

How it works

Using data streamed through customer-provided cameras, QA for Production employs CV technology to process information and provide near real-time feedback. It can:

- ✓ Provide constant evaluation of goods throughout a production/manufacturing process.
- 📈 Continuously monitor raw materials/input, work-in-progress inventory and finished goods to determine if they're within your acceptance thresholds.
- ⚠️ Send alerts to designated operators if measurements fall outside of or approach predefined threshold limits.

CV video processing also can be customized to detect different items and perform item-specific quality checks.



Proactively detect and mitigate production-line quality issues with QA for Production. This is Enterprise Intelligence.

Solution benefits

The QA for Production solution gives you the tools to:



Monitor product assembly.



Enhance product defect detection.



Receive raw-material quality analysis.



Improve raw material utilization.



Detect anomalies in the production line.



Receive conditional alerts.



Gain insights into performance through advanced analytics.



Optimize task planning and execution.



Decrease operating costs.

Why Verizon

Verizon is leading the way with next-generation solutions, experience and expertise to help you design, deploy and manage solutions that help meet today's challenges and position your company for the future.

With Verizon, you get far more than a solution. You also get:

- Extensive experience in 4G LTE and 5G deployments, device management, and MEC
- A growing ecosystem of partners that bring new capabilities and possibilities
- Provision of the “whole stack,” including Verizon's private wireless network, MEC and vertical solutions
- An experienced Professional Services team that can help you plan, design and implement private MEC into your operating environment
- A preintegrated 5G/LTE private wireless network and MEC solution that operates holistically and simplifies management
- The ability to expand and interconnect other locations through Verizon's Software Defined Networking (SDN) and Secure Cloud Interconnect solutions

Learn more:

Start empowering your production now.
Contact your Verizon Business Account Manager for more information.

Verizon's factory of the future

Our factory of the future is a set of managed private MEC solutions specifically designed to increase the effectiveness of manufacturing production and related processes. The solution leverages applications and devices running on private onsite infrastructure with professional and managed services to solve for specific manufacturing business problems to help you achieve Enterprise Intelligence.

