Know exactly what's in each box.

5G Edge Quality Assurance for Warehouse offers cutting-edge computer vision technology to help enhance fulfillment processes and ensure accuracy.

Industry 4.0 will require manufacturing and warehouse operators to respond to changing demand more quickly than ever before. Verizon's 5G Edge Quality Assurance (QA) for Warehouse solution allows for fast, flexible changes to your fulfillment tasks.

Connected factories are reimagining what's possible for maintaining high standards of warehouse performance. With advanced mobile edge computing (MEC), 5G and artificial intelligence (AI) technologies, you can reengineer your approach to quality assurance while reducing labor costs and enhancing customer experiences.

Verizon's 5G Edge QA for Warehouse is a managed services MEC solution that helps streamline performance by monitoring picking and packing stations.* QA for Warehouse deploys AI and machine learning techniques that watch picking and packing processes in near real time for specified key performance indicators (KPIs). If items are picked or packed incorrectly, QA for Warehouse will send alerts and notify personnel.

QA for Warehouse will help enable you to:

- Increase warehouse productivity
- Enhance shipping quality
- Reduce manual quality checks
- Reduce product returns

Ensure that your fulfillment processes meet your high standards with advanced computer vision technology.

How it works

QA for Warehouse is designed to run on On Site 5G, LTE connectivity and MEC resources. The solution identifies goods as they are picked and placed and then measures them against inventory/order management records.

Computer vision (CV) technology provides near real-time evaluation and identification of serialized inventory as it is placed into a box moving along a logistics line. The solution will verify goods or inventory against records and alert warehouse personnel to inaccuracies. Companies can also review video evidence of anomalies via an application programming interface (API).

With QA for Warehousing, you will be able to:

Use APIs to provide visual guides and indicators to assist workers in item placements.

Improve worker operations by providing near real-time accuracy scores (via an API) tied to orders at the quality control area.
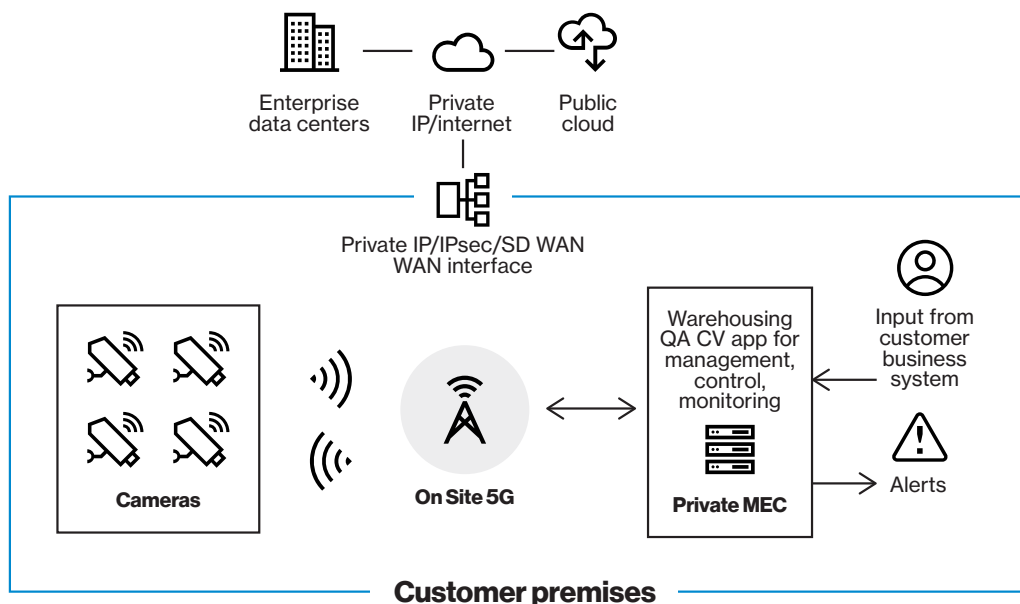
Provide visual and audio alerts (via an API) when a worker performs an incorrect action.

Use 5G-enabled video cameras to stream live video to private MEC servers, enabling near real-time data analysis.

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

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Enterprise data centers — Private IP/internet — Public cloud

Private IP/IPsec/SD WAN
WAN interface

Cameras

On Site 5G

Warehousing QA CV app for management, control, monitoring

Private MEC

Input from customer business system

Alerts

Customer premises

Solution benefits

Using QA for Warehouse can help companies:

$ Decrease manual QA/quality control costs.

Increase warehouse productivity.

Increase throughput for order processing.

Increase order/shipment accuracy.

Improve customer experiences.

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.

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 gain 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 brings new capabilities and possibilities

• Provision of the "whole stack," including On Site 5G, On Site LTE, private 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 platform 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:

Get started with QA for Warehouse. Contact your Verizon Business Account Manager for more information.

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