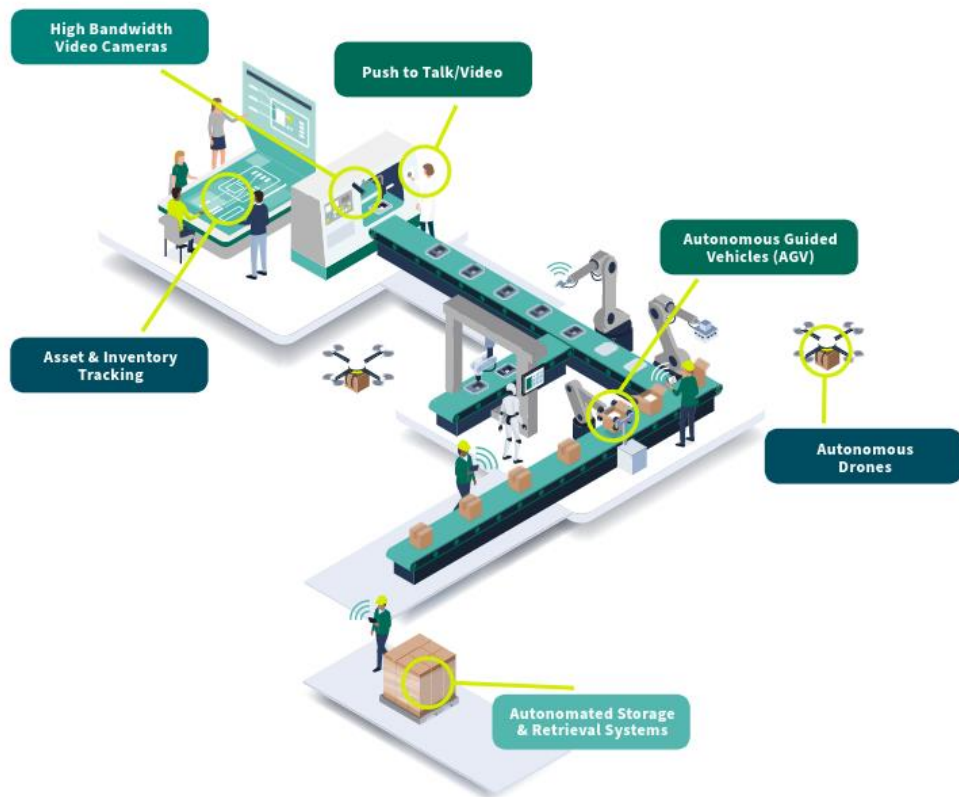# Mobile Cloud for Smart Factories

Delivering seamless mobility

The Highway 9 Mobile Cloud sets a new standard for seamless mobility, powering Industry 4.0 transformation with ultra reliable 'Everywhere Mobile Coverage'.

Providing the necessary coverage, across indoor and outdoor areas is simply and quickly achieved with Highway 9 Mobile Cloud, requiring only 10% of the infrastructure in comparison to existing Wi-Fi technology.

In a recent Compuware study of technology leaders in the industrial sector, 48% reported experiencing regular issues with their industrial technology.

With the Industry 4.0 evolution relying heavily on consistent, ubiquitous, connectivity, it's clear, a new approach is needed. Highway 9 Mobile Cloud private cellular networks integrates seamlessly with your existing enterprise infrastructure, enabling your company to drive innovation and efficiency.

> ## 48%
> Are you among the 48% of Companies experiencing issues with their Industrial technology?

Highway 9 Mobile Cloud

Challenges in Industrial Environments

Factory floors are saturated with numerous networks, connecting tools, machinery, staff devices, and sensors.

After performing RF analysis for a customer, seven active networks were migrated to Mobile Cloud. This included four networks operated by Facilities that IT previously had no visibility into.

The Mobile Cloud operates in licensed, shared spectrum rather than the congested ISM bands used by Wi-Fi, LoRaWAN and others, drastically reducing interference issues.

Both indoor and outdoor spaces are highly dynamic environments in the factory of today.

Layouts change with evolving demand, and new technologies, make 'Everywhere Mobile Coverage' a necessity.
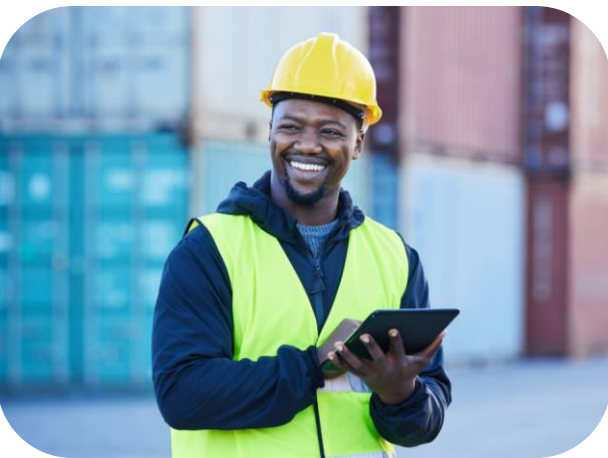
Highway 9 Mobile Cloud

Use Cases

Automatic Guided Vehicles & Robots

Interruptions in connectivity during roaming events on Wi-Fi can leave AGVs stranded and inoperable, affecting productivity and increasing support burdens.
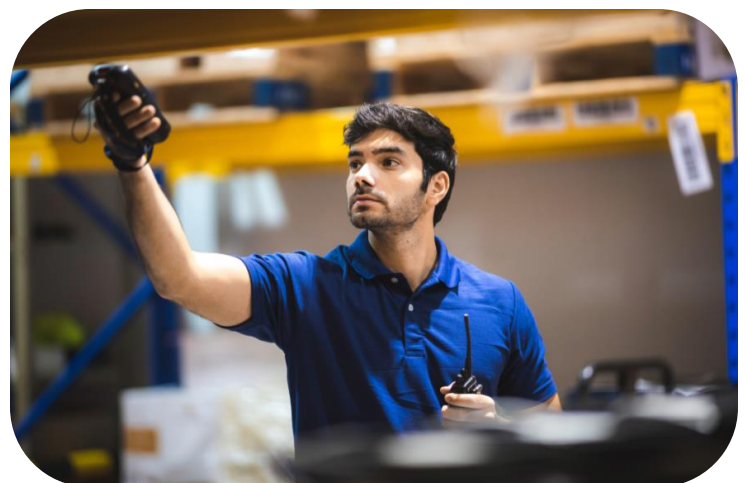
The seamless roaming and ubiquitous coverage offered by Mobile Cloud is a necessity for the smooth operation of these vehicles.

Extended Outdoor Coverage

Outdoor operational activities extend coverage requirements across the whole campus.

The extended range, and NLOS capabilities of private mobile technology provides ubiquitous coverage using a small number of LTE or 5G radios. Removing the need for disruptive, time consuming trenching.

Inventory Management

Whether managing just-in-time goods inward, factory output or warehousing, reliable inventory management is a cornerstone of a productive operation.

Handheld scanning devices with native mobile support demand the 'Everywhere Mobile Coverage' provided by a Mobile Cloud, ensuring smooth operations.

Highway 9 Mobile Cloud

Summary

- Private mobile network technology delivers superior range, security, performance and reliability.

- An integrated cellular technology stack comprising SIM, Radios, policy & control ensures ease of deployment.
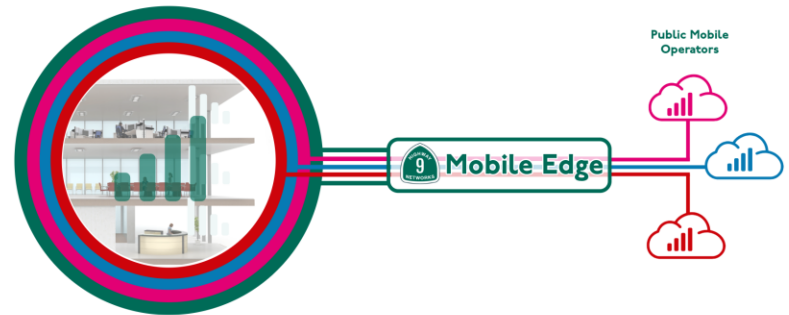
- Seamless IT integration with infrastructure, policy and major carriers.

- Cloud based 360 C+C with AI powered services and partner integrations.

- Reliable, high performance data and control network for automation and AI.

Indoor Cellular Extension Service

Public Mobile Operators

9 Mobile Edge

Get in touch

Contact us to learn how a mobile cloud can address your AI or mobility needs.

info@highway9networks.com

www.highway9.com

Book your demo today

Mobile Cloud for Smart Factories