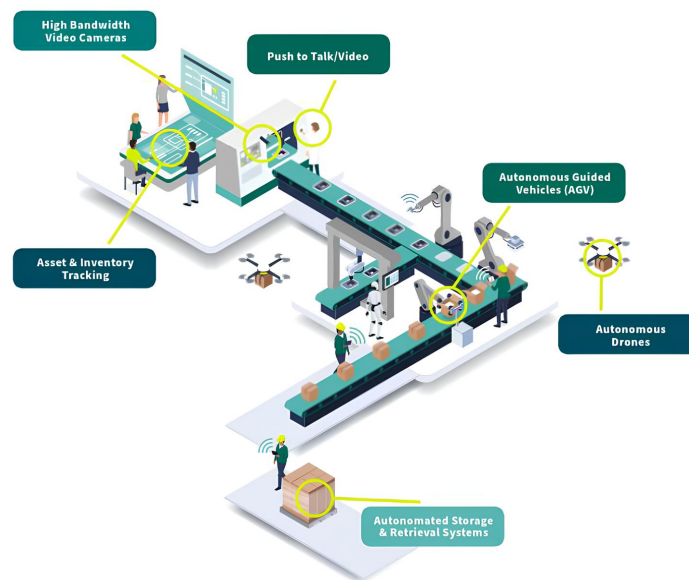


Solution Brief

Mobile Cloud for Smart Factories

Deliver reliable connectivity across factories and warehouses, integrating private cellular networks with simplified cloud-based operations.

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 simple and quick with Highway 9 Mobile Cloud, requiring only 10% of the infrastructure compared 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 integrate 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?

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, including 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.



Dynamic Environments

Both indoor and outdoor spaces are highly dynamic environments in today's factories.

Layouts change with evolving demand, making 'Everywhere Mobile Coverage' a necessity for seamless operations and adaptability to new technologies.

Use Cases



Automatic Guided Vehicles & Robots

Interruptions in connectivity during Wi-Fi roaming events can leave AGVs stranded and inoperable, impacting productivity and increasing support burdens.

The seamless roaming and ubiquitous coverage provided by Mobile Cloud are essential for the smooth operation of these vehicles.

Extended Outdoor Coverage

Outdoor operational activities expand coverage requirements across the entire campus.

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





Inventory Management


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


Handheld scanning devices with native mobile support require the 'Everywhere Mobile Coverage' of a Mobile Cloud, ensuring seamless and efficient operations.


Summary

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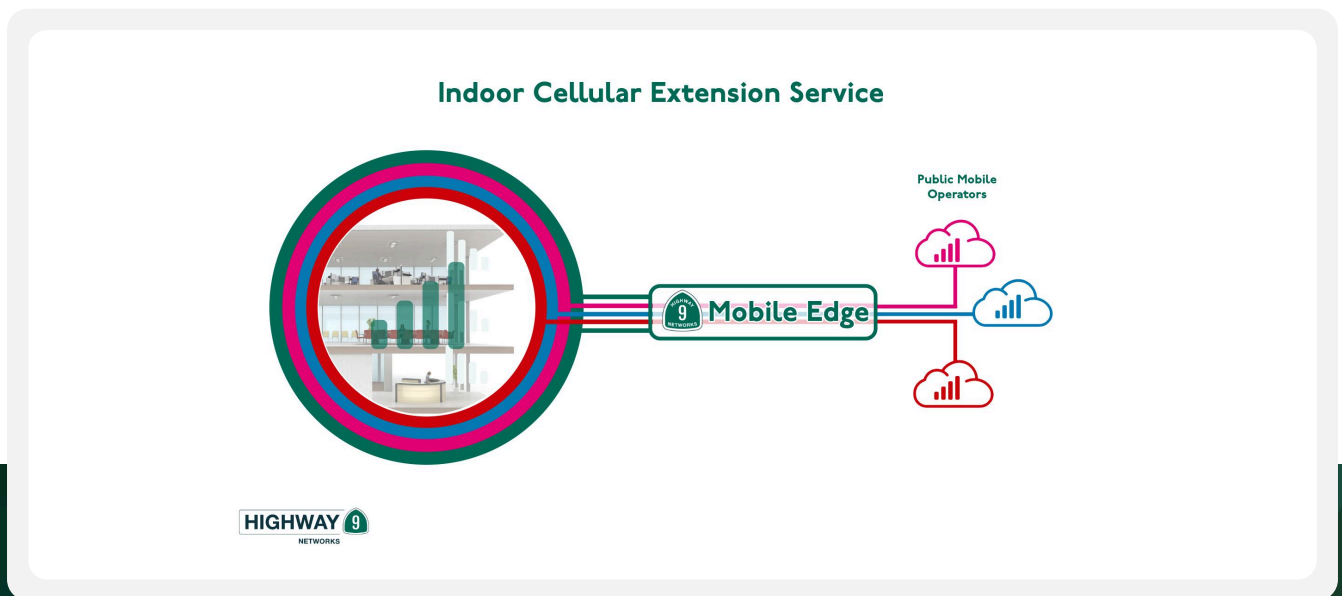
Private mobile network technology delivers superior range, security, performance and reliability.
- 

Seamless IT integration with infrastructure, policy and major carriers.
- 

An integrated cellular technology stack comprising SIM, Radios, policy & control ensures ease of deployment.
- 

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

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



Get in touch

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



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