

Transforming Energy Production and Distribution with Mobile Cloud

The Energy Sector Connectivity Challenge

Are you struggling to maintain reliable, secure, and efficient connectivity across your remote energy production and distribution facilities?

Discover how Highway 9's Mobile Cloud can help you overcome these challenges and unlock new levels of performance and innovation.

Extremely large industrial areas such as refineries, petrochemical, and power plant operations that can cover up to hundreds of acres in size along with expansive and complex metallic structures, represent a coverage challenge that make wifi simply not an economical or practical option.

In many cases, public cellular is, at best, costly. At worst, impossible, due to the remote location of many operations.



Highway 9's Mobile Cloud addresses the need for a pervasive and predictable wireless network, providing seamless mobility and ultra-reliable 'Everywhere Mobile Coverage' for energy production and distribution facilities.

By leveraging private cellular networks (4G LTE & 5G), the Mobile Cloud enables better performance, security, and affordability compared to traditional solutions.

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Purpose Built for the Energy Sector



Highway 9's Mobile Cloud is a transformative wireless solution for the energy sector, addressing the specific needs of oilfields, refineries, pipelines, remote solar/wind farms, utility infrastructure, and hydro generation sites. Mobile Cloud operates in licensed, shared spectrum, reducing interference issues and ensuring reliable connectivity even in challenging RF environments.

Key Benefits Include;



Seamless Mobility

Move effortlessly across entire Private cellular enterprise.



Ultra Reliable Coverage

Up to 10x range of coverage in complex outdoor structures over WiFi



Hardened Security

End-to-End AES encryption of traffic coupled with QOS and FW policy protection for separation of IT and OT networks.



Cloud-based Management

With Highway 9's cloud-based orchestration, the enterprise is always available and in reach. Anytime, Anywhere.



Scalable

With a core network that is deployed virtually, scaling your private 4/5G network locally, nationally, or internationally, is a snap!



Flexible

Highway 9 supports deployment the public or private cloud as well as hybrid for maximum design efficiency.

Use Cases



Safety & Inspections

Scheduled inspections for both Safety and Regulatory mandates that are done via hardened wireless tablets/handhelds are required.

These detailed inspections require continuous real time data connectivity with low latency for video conferencing in order to complete inspections.

By having pervasive, always on, and predictable cellular coverage, inspection efficiency is increased, and downtime is reduced which improves the company's bottom line.

Security & Surveillance

Placement of security cameras, access control and perimeter security monitoring systems is no longer restricted by availability of cabled infrastructure.

The superior "Everywhere Mobile Coverage" delivered by the Mobile Cloud allows for deployment of security systems without compromise.

OT Monitoring

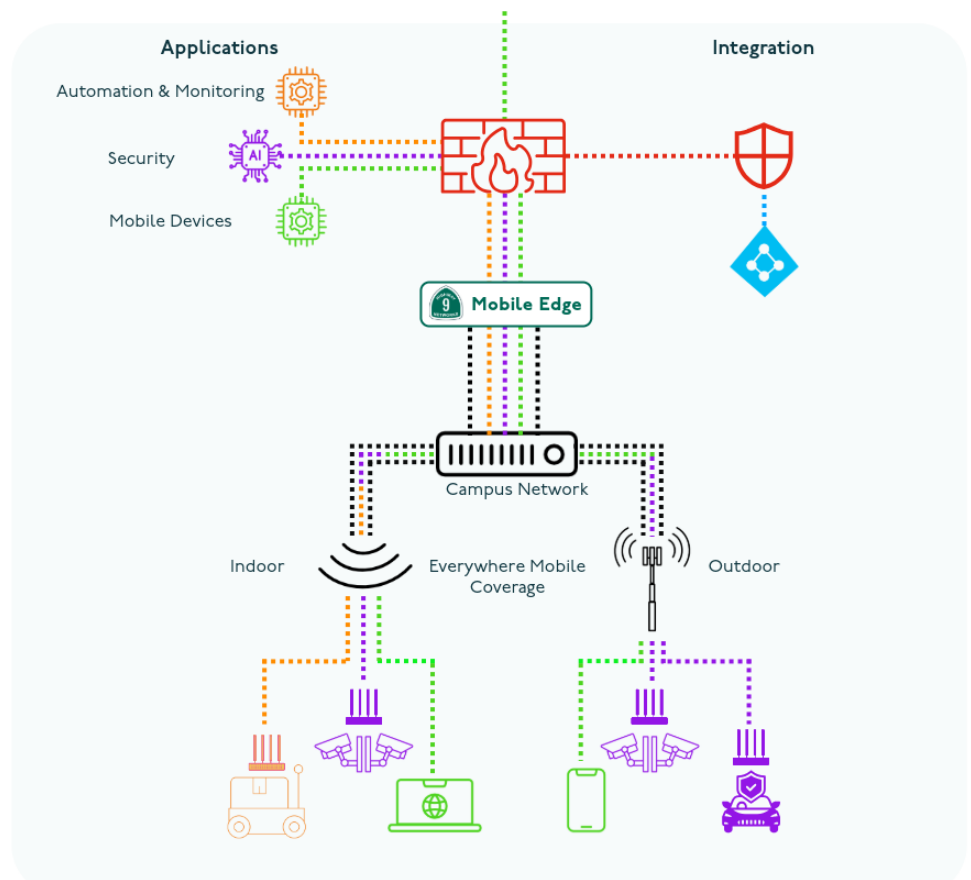
Estate-wide monitoring of critical operational controls where connectivity and security of the network is essential.

Learn More

Discover the Power of Highway 9 Mobile Cloud for Your Business

By deploying Highway 9's Mobile Cloud, energy companies can unlock new levels of efficiency, safety, and innovation, ultimately driving the digital transformation of the energy sector.

To learn more about how Highway 9's Mobile Cloud can revolutionize your energy production and distribution operations, contact us today.



Get in touch

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