



Introducing On Site LTE

Solution brief

Transformative on-premises private wireless network for business-critical connectivity

Industry 4.0 is here and business operations will never be the same.

Artificial intelligence and machine learning. Near real-time analytics. Augmented and virtual reality. Massive Internet of Things (IoT). Mobile edge computing (MEC). These and other new-generation technologies all rely on fast, secure, agile and reliable connectivity.

And that's something that current enterprise network technologies, such as Wi-Fi, simply don't deliver—especially when it comes to seamless, business-critical, on- and off-campus connectivity. Organizations with Wi-Fi only are often faced with coverage gaps, lost connectivity, data congestion, inflexible processes and inconsistent service quality—which can lead to costly downtime.

That's why Verizon is offering a new option for pervasive enterprise connectivity.

On Site LTE: Transformative connectivity platform

On Site LTE is the next-generation private network, bringing small-cell wireless technology to large facilities, such as manufacturing plants, distribution centers, mines, ports and more. It provides secure, reliable, tailored, on-premises, private connectivity, and it can integrate with the Verizon 4G LTE core network in the U.S. for seamless mobility and remote connectivity.

Businesses will require a dynamic, secure networking platform that can help them overcome operational challenges today and enable the new technologies and capabilities of tomorrow.

On Site LTE is a customized solution that can be fully managed, monitored and maintained by Verizon. It's interoperable with most existing IT and IoT infrastructures and can support hundreds of connected devices, as well as different prioritization schemes based on user traffic profiles.

How it works

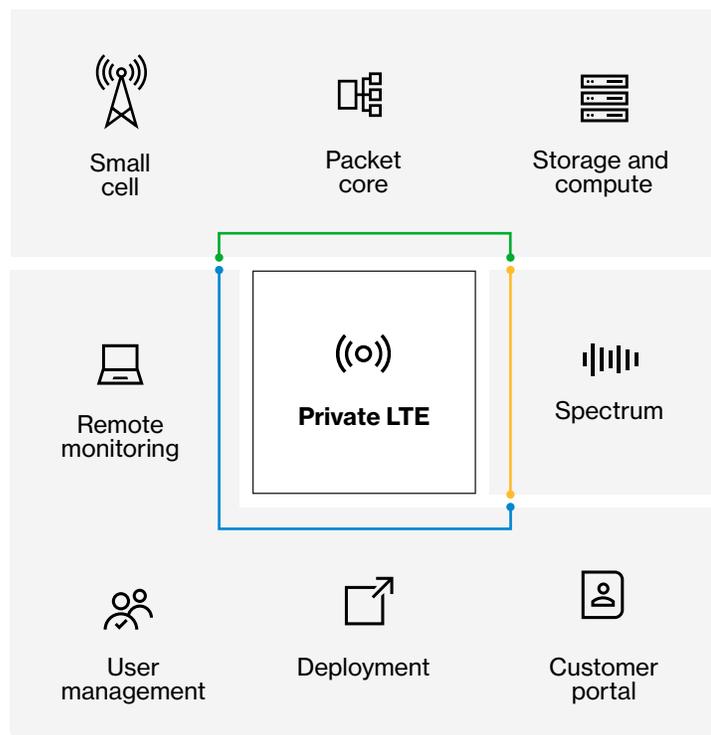
On Site LTE is engineered to Verizon 4G LTE core network specifications. It leverages micro radios and small cells, which are similar to Wi-Fi access points. It also leverages a miniaturized, on-premises LTE core that provides security and low latency for critical processes and applications.

Using a large manufacturing plant as an example, a local on-premises wireless network can provide broad, reliable coverage and connectivity for all sensors, devices, machines and staff, while prioritizing business-critical applications and processes.

Each On Site LTE network is customized to connect to LANs and enterprise applications and can be based on multiple spectrum scenarios. Our dedicated LTE equipment avoids dependencies on other users and shared networks, while providing inherent security.

The solution's primary components include:

- Spectrum options
- Customer premises-based small-cell radios
- Customer premises-based packet core



In addition, On Site LTE includes:

- Network design services
- Deployment services
- Network management services
- Management interface

Designed to transform IT pain points into operational technology (OT) advantages

Flexible, secure and future-ready, On Site LTE is designed to provide secure connectivity for today's organizations while paving the way for tomorrow's real-time operations.

It will enable:

Seamless mobility. Delivers on-campus mobility for devices, staff, sensors, connected vehicles, connected machines, cameras, etc. And secure, authorization-based remote access to operational processes and applications

Reliable connectivity. Enables consistent, dedicated connectivity and performance on campus and remotely throughout the public Verizon LTE core network

Security. Provides a private network with carrier-grade security built in, seamless authorized user access, as well as 24/7 network monitoring

Flexibility. Supports a wide range of IoT devices and prioritization schemes, based on user traffic profiles, agile production/logistics reconfiguration, network dimensioning and easy scaling of devices and services with software-defined updates

Ease of use. Empowers customers to focus on running their business, not their network

Future ready. Provides the first step in the digital transformation required to enable next-gen technologies, such as Verizon 5G and the Verizon 5G Edge mobile computing platform

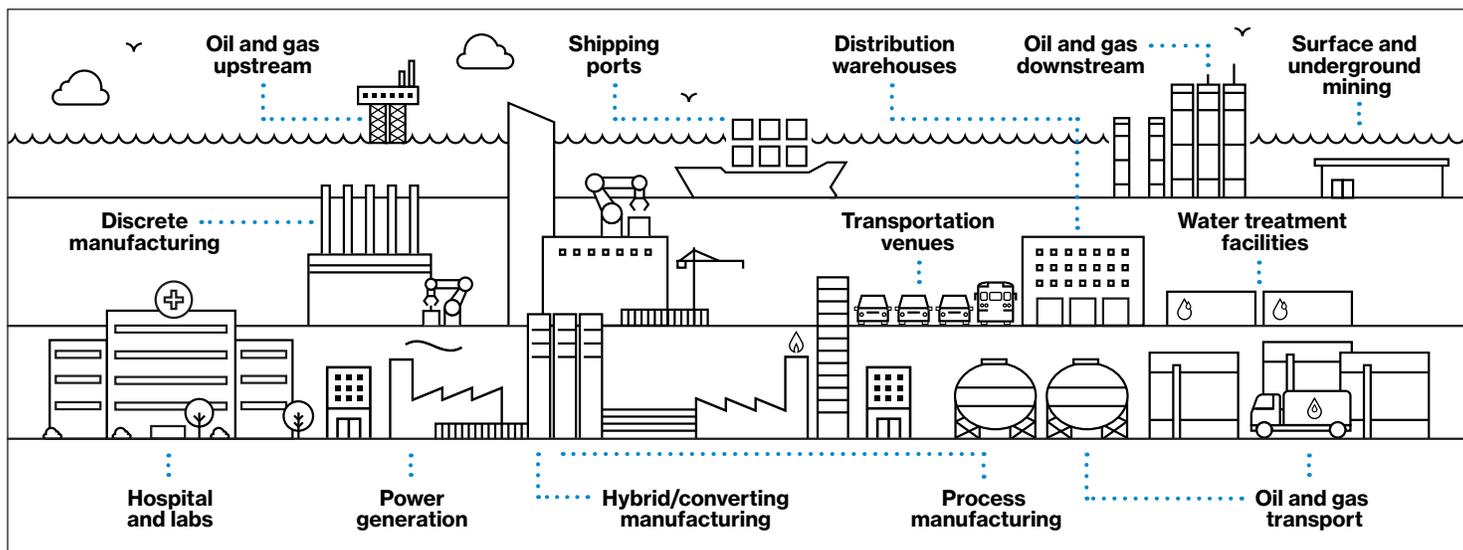
Supports a wide variety of industries and use cases

On Site LTE could bring transformative macro-area connectivity to a wide variety of industries and organizations, including:

- Manufacturing
- Utilities
- Oil, gas and mining
- Transportation and distribution
- Healthcare

Potential applications include:

- Smart buildings
- High-definition video surveillance
- Near real-time data and analytics
- Automated guided vehicles
- Wireless robot and equipment control
- Drone-based site survey
- Business-critical team communications
- Connected supply chain management
- Just-in-time routing
- Predictive maintenance
- Site-specific visual training tools



Why Verizon

By partnering with Verizon, you'll work with a global networking and telecom leader. Verizon has been ranked America's #1 network by RootMetrics in overall performance 14 times in a row.¹ Verizon is leading next-generation innovation with its 5G Built Right, 5G Edge and related industry solutions.

Learn more:

To learn more about On Site LTE and how it can enable seamless, secure and tailored indoor and outdoor connectivity, contact your Verizon Business Account Manager.



¹ Based on RootMetrics® by IHS Markit's RootScore® Reports: 2011-2020. Tested with best commercially available smartphones on four national mobile networks across all available network types. Experiences may vary. RootMetrics awards are not an endorsement of Verizon.

On Site LTE is available within the U.S. Prequalification required.

Network details & coverage maps at vzw.com. © 2020 Verizon. SB11251020