



Introducing On Site 5G

Solution brief

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

With today's digital acceleration requirements, 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. Customers can have a custom-designed, on-premises network that starts with LTE and adds 5G Ultra Wideband (UW) as needed, or includes 5G UW within the initial design of their deployment.

On Site 5G: Transformative connectivity platform

On Site 5G 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.

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 5G 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 thousands of connected devices, as well as different prioritization schemes based on user traffic profiles.

How it works

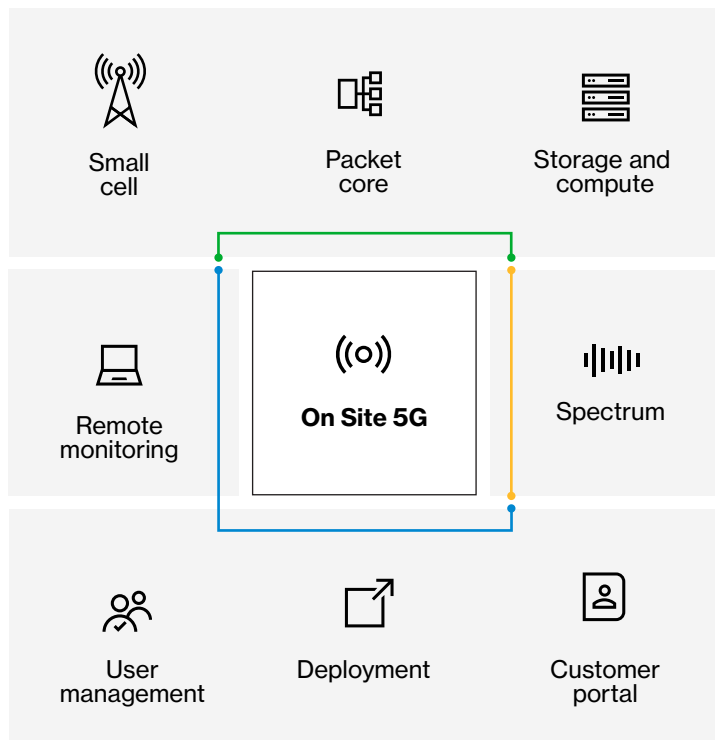
On Site 5G leverages micro radios and small cells. It also leverages a miniaturized, on-premises core that provides security and low latency for critical processes and applications.

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 5G network is customized to connect to LANs and enterprise applications and can be based on multiple spectrum scenarios. Our dedicated on-premises 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 5G 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 5G is designed to provide secure connectivity for today's organizations while paving the way for tomorrow's real-time operations.

Key attributes of On Site 5G:

-  **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.** Delivers consistent, dedicated connectivity and prioritized network access on campus
-  **Security.** Provides a private network with security built in, seamless authorized user access, as well as 24/7 network monitoring
-  **Agile.** Fast and scalable reconfiguration, and digital acceleration
-  **Ease of use.** Empowers customers to focus on running their business, not their network
-  **Performance:** High bandwidth and low latency of 5G Ultra Wideband for the most demanding applications

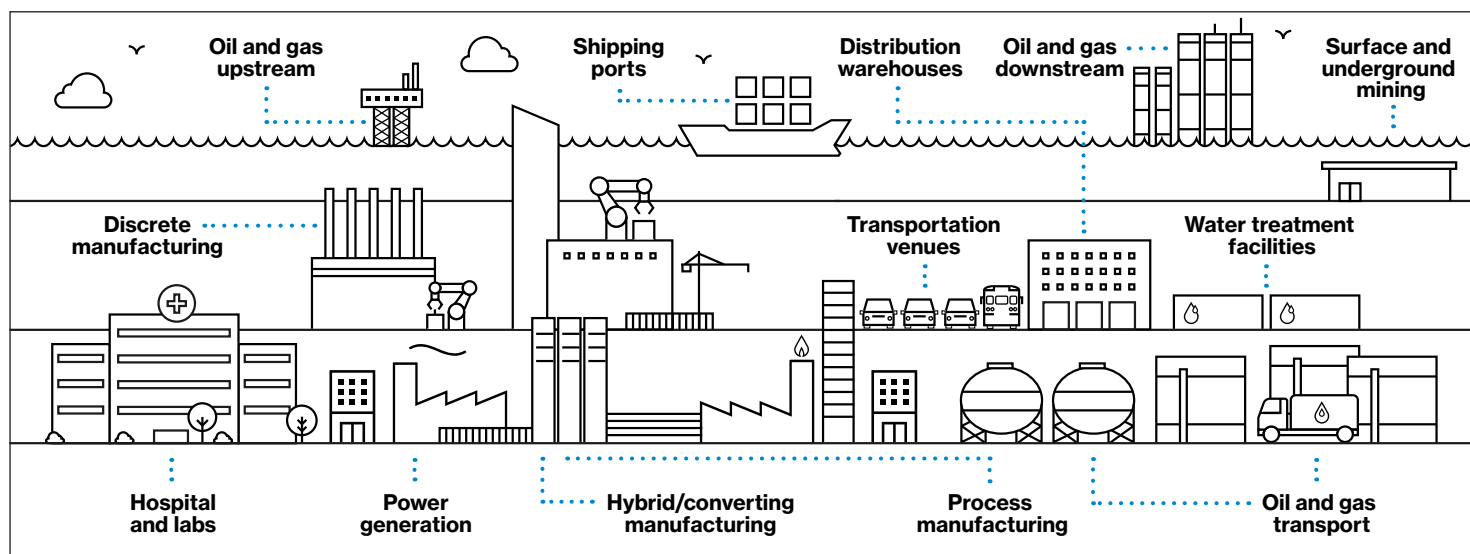
Supports a wide variety of industries and use cases

On Site 5G 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:

- Augmented reality/virtual reality (AR/VR)
- High-definition video surveillance
- Near real-time data and analytics
- Automated guided vehicles
- Wireless robot and equipment control
- 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 15 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 5G and how it can enable seamless, secure and tailored indoor and outdoor connectivity, contact your Verizon Business Account Manager.



¹ America's most reliable based on rankings from RootMetrics® US National RootScore® Reports: 2H 2013 - 2H 2020. Tested with best commercially available smartphones on 3 national mobile networks across all available network types. Your experiences may vary. The RootMetrics award is not an endorsement of Verizon.

On Site 5G is available within the U.S. Prequalification required.

Network details & coverage maps at vzw.com. © 2021 Verizon. SB11251020