

## SMART BASE SOLUTION BRIEF

## Making Network Connectivity the Fourth Utility

Around the world, more and more cities are leveraging smart technology to enhance citizen services, increase economic growth and become more efficient. This requires the connectivity capabilities to be able to link sensors, enable Wi-Fi and deliver fast, reliable Internet access to all kinds of devices. In concept, these cities are adding another utility to their infrastructure. Network connectivity has become the fourth utility.

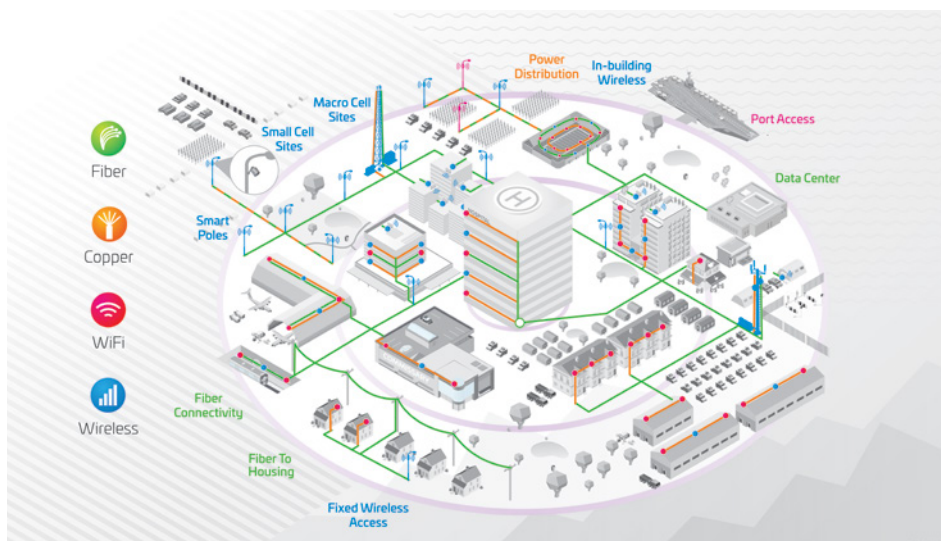
Military installations can also be made “smart” by converging wired and wireless networks in the same way. Military personnel need easy and seamless connectivity as they live and work on base, whether inside a building or out in the field. For many installations, existing infrastructure can be easily upgraded to accommodate the latest in wired and wireless connectivity. Known as utility-grade infrastructure, this upgrade works with converged networks to support applications that traditional cabling cannot.

CommScope enables smart bases by deploying utility-grade infrastructure, on par with how electricity, water and gas are installed. Our breakthroughs in adaptive antenna technology, smart mesh networking, licensed and unlicensed LTE capabilities, high-performance cabling and other solutions ensure that every connected device and user has a reliable, high-speed connection. Our solutions are designed from the ground up to deliver secure, fast wired and wireless connectivity even in the highest-density indoor and outdoor environments.

Communication networks are the backbone of smart military installations. CommScope offers an end-to-end solution to provide the fourth utility in base environments—from large-scale fixed operations to smaller, in-theater deployments. This includes:

- Distributed antenna systems (DAS)
- Cloud RAN small-cell architectures
- Macro-cell sites
- Adaptive antenna technologies
- Smart mesh networking solutions
- Wireless access points and switches
- Smart poles
- Fiber and copper cabling

Security is integrated into the infrastructure through CommScope's intelligent automated management system—while many of the products are FIPS-140, DoDIN APL, Common Criteria and CSfC certified—ensuring communications sent over the wired and wireless network are protected.



From infrastructure cabling to outdoor wireless antennae's to Wi-Fi and 5G CommScope networking solutions can connect the most valuable assets.



CommScope solutions support a wide range of capabilities to support all aspects of a Smart Base.

## Embracing Emerging Technology

A key benefit of CommScope is that its solutions future-proof networks to outlast evolutions in wired and wireless technology, giving the military the best possible return on investment. With the right networking technology in place, bases can take advantage of emerging technology such as leveraging the Internet of Things, transitioning to the Citizens Broadband Radio Service (CBRS)—50 MHz of shared, wireless spectrum in the 3.5 GHz cellular band—and adopting 5G.

To learn how CommScope can help your installation expand communications, enhance service and deliver an infrastructure for the future by deploying the fourth utility, contact your federal sales representative today.

## Now meets next

At CommScope Federal, we push the boundaries of communications technology to create the world's most advanced networks. Across the globe, our partners and their solutions are redefining connectivity, solving today's challenges and driving the innovation that will meet the needs of what's next.

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