

CommScope to Showcase Dynamic Portfolio of Wireless Solutions at Mobile World Congress

HICKORY, N.C.--(BUSINESS WIRE)-- As wireless operators continue to densify, virtualize and optimize their networks to add capacity, [CommScope](#) continues to develop creative infrastructure solutions that address the operators' most pressing challenges. The company will demonstrate its latest offerings at [Mobile World Congress 2016](#).

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PowerShift is installed at cell sites to automatically deliver the most efficient voltage to remote radio units. (Photo: Business Wire)

"As wireless networks evolve toward Cloud RAN, one rule still applies—operators need to squeeze as much capacity out of their existing networks as possible," said Ben Cardwell, senior vice president, Mobility Solutions, CommScope. "CommScope is developing solutions that build upon our long-standing expertise in radio frequency (RF) and cellular solutions and include our newly-enhanced strength in intelligent small cell solutions and fiber connectivity."

CommScope will highlight four of its latest solutions for network densification, virtualization and optimization:

- | The [OneCell® C-RAN Small Cell Solution](#) has been shortlisted by GSMA as a finalist for the 2016 Global Mobile Awards in the Best Technology Enabler category. OneCell forms a single "super" cell indoors that eliminates handovers and border interference across large areas, creating a high performing LTE experience for end-users. OneCell enables sector virtualization with Smart Reuse technology that gives operators the ability to scale capacity within a given spectrum. The OneCell system won Best Mobile Technology Breakthrough, and Outstanding Overall Mobile Technology - the CTO's Choice, at the Global Mobile Awards 2015.
- | The [Powered Fiber Cable System](#) speeds and simplifies the installation of, powering and communication with small cells, Wi-Fi access points, security cameras and other dc-powered devices. The hybrid fiber/copper cabling and remote powering unit correct for electrical line loss and reduce the need for local utility negotiations. Powered fiber enables C-RAN site deployments, carrying power and data from a centralized location for up to three kilometers.
- | CommScope believes [PowerShift™](#) is the industry's first plug-and-play, direct current (DC) power supply solution for efficiently managing power to remote radio units. PowerShift automatically delivers the most efficient voltage to remote radio units, utilizing technology CommScope developed with the power supply experts at General Electric®. A rack-mounted solution, PowerShift can also extend the uptime for RF batteries by up to 35 percent.
- | With the [Optical PIM Tester](#), a single technician can connect directly to the base band unit at the bottom of a cell tower and perform an active, cross-band passive intermodulation (PIM) test over the Common Public Radio Interface (CPRI). The Optical PIM Tester makes it much easier to find and remediate PIM even between frequency bands. PIM is a serious source of interference in LTE networks that can result in significantly reduced data throughput and degraded voice quality.

CommScope will also display some of its newly-acquired [fiber connectivity and management](#) solutions, which make it easier to incorporate future optical components into the network. The company's fiber portfolio includes high density panels and

frames and plug-and-play modules that offer added flexibility and functionality. CommScope will also exhibit its HELIAX® FiberFeed® hybrid cable and other fiber cabling solutions for cell sites.

CommScope will be located in [Hall 2, Stand #2J30](#) at Mobile World Congress 2016 in Barcelona, Spain.

Related Videos:

[OneCell Coliseum Video](#)

[Powered Fiber Cable Features](#)

[PowerShift: the industry's first intelligent, plug-and-play dc power supply](#)

Related Blog Posts:

[The 3 Major Trends for Outdoor Cell Sites in 2016](#)

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[A Whole New Way to Test for PIM](#)

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About CommScope:

[CommScope](#) (NASDAQ: COMM) helps companies around the world design, build and manage their wired and wireless networks. Our vast portfolio of network infrastructure includes some of the world's most robust and innovative wireless and fiber optic solutions. Our talented and experienced global team is driven to help customers increase bandwidth; maximize existing capacity; improve network performance and availability; increase energy efficiency; and simplify technology migration. You will find our solutions in the largest buildings, venues and outdoor spaces; in data centers and buildings of all shapes, sizes and complexity; at wireless cell sites; in telecom central offices and cable headends; in FTTx deployments; and in airports, trains, and tunnels. Vital networks around the world run on CommScope solutions.

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