

Another CommScope Breakthrough for the Cellular Network— Plug-and-Play at the Top of the Tower

—Latest Tower Top Innovation Aims for Further Simplicity, and Time and Cost Savings for Operators—

HICKORY, N.C.--(BUSINESS WIRE)-- Expanding on its award winning [Andrew SiteRise](#) solution, CommScope is introducing a new innovation aimed at reducing installation and maintenance cost, risk and time at the top of cellular network towers. The Andrew® SiteRise™ Standard Interface is intended to simplify the interface between the base station antenna and virtually any remote radio unit (RRU) technology.



Andrew SiteRise Standard Interface simplifies the interface between the base station antenna and virtually any remote radio unit, making it easier to do field replacements and upgrades. (Photo: Business Wire)

working on the tower, saving operating costs and creating faster site turn ups, critical for operators' time-to-market competitive advantage.

"Our antenna/RRU SiteRise Standard Interface combines the best features of putting remote radios close to the antenna for reducing signal loss and energy consumption, but maintains a level of independence between the radio and antenna for flexibility and ease of support," said Cardwell.

SiteRise Standard Interface introduces a new connector technology that provides an essentially PIM-free, blind mate connection. PIM is a major concern with today's interference limited technologies such as LTE. With blind mate connection capability, upgrading and maintaining radio technology can be done without affecting the antenna's position. This functionality reduces the time and cost associated with radio maintenance, and, even more importantly, reduces the risks associated with technology obsolescence.

Andrew SiteRise, [unveiled in 2013](#), is the world's first pre-assembled tower top solution, designed to bring factory assembled quality and consistency to the field assembly environment of a wireless network cell site. Andrew SiteRise facilitates the rapid implementation of RRU technology in close physical proximity to the antenna connectors, reducing losses and improving network performance. The SiteRise solution already is proving cost-effective for operators by moving the complex connection, configuration and testing work from the top of the tower to ground level where it can be done in a controlled environment.

"Since we began implementing the SiteRise solution in close collaboration with a major wireless operator, we have continued to work closely with the whole operator community to understand what innovations would be of additional value to them," said Ben Cardwell, senior vice president, Global Wireless Sales, CommScope. "Those conversations led to a new SiteRise solution aimed at even greater simplification of the radio and antenna interface, which provides for even less interference risk, better flexibility and a true plug-and-play capability at the top of the tower."

SiteRise Standard Interface is a new way of connecting an RRU to the base station antenna, using a unique approach not previously utilized for tower top applications. SiteRise Standard Interface gives an operator the flexibility of using multiple RRU technologies and frequency bands in a simplified plug-and-play arrangement. Key to this solution is a patented connector technology that provides an essentially [passive intermodulation \(PIM\)](#)-free, blind mate connection.

SiteRise Standard Interface offers lower risk and higher quality assurance by moving the complex connecting work at the top of the tower into a more controlled environment. This innovation reduces the risk of craft related errors due to the harsher and more complex working conditions at the top of the tower. The easy accessibility enabled by SiteRise Standard Interface makes upgrading RRUs for changing frequency and technology requirements a plug-and-play feature.

Ultimately, SiteRise Standard Interface reduces the time installers spend

Combining multiple frequencies is also common in today's cell sites. SiteRise Standard Interface includes an optional filter integration that reduces potential sources of interference and the need for more complex solutions internal to the RRU technology.

As part of its evolution of solutions at the top of the tower, CommScope is also introducing new approaches for fiber cable connectivity and protection. Available now, the [HELIAX® FiberFeed®](#) Direct cabling solution can enable quicker installations by mating hybrid fiber and power cable to any RRU model, reducing the number of overall connections and cutting installation time by half. Complementing CommScope's [HELIAX line of RF cable assembly solutions](#), the new HELIAX SureGuard™ weather protection system is a simple, easy to install solution that can weather proof up to 10 antenna connectors in minutes while requiring no special tooling and being reusable.

"The top of the tower is a difficult place to work, so having a solution that provides for a more consistent and predictable quality result and provides flexibility for change just makes sense," said Morgan Kurk, senior vice president, Wireless, CommScope. "We are ready to work with all major radio and antenna OEMs to make this technology broadly available to the benefit of networks everywhere."

The latest evolution of CommScope's Andrew SiteRise solution will be introduced at [Mobile World Congress](#), February 24-27 in Barcelona, Spain. CommScope will be located in stands 2I46 and 6I06.

Related Blog Posts:

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[How to Make a Standardized Tower Top](#)

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CommScope (www.commscope.com, NASDAQ: COMM) has played a role in virtually all the world's best communication networks. We create the infrastructure that connects people and technologies through every evolution. Our portfolio of end-to-end solutions includes critical infrastructure our customers need to build high-performing wired and wireless networks. As much as technology changes, our goal remains the same: to help our customers create, innovate, design, and build faster and better. We'll never stop connecting and evolving networks for the business of life at home, at work, and on the go.

This press release includes forward-looking statements that are based on information currently available to management, management's beliefs, as well as on a number of assumptions concerning future events. Forward-looking statements are not a guarantee of performance and are subject to a number of uncertainties and other factors, which could cause the actual results to differ materially from those currently expected. In providing forward-looking statements, the company does not intend, and is not undertaking any obligation or duty, to update these statements as a result of new information, future events or otherwise.

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