

We're proud to be a part of your network's story.

Here at CommScope, we embrace our role as a trusted resource, partner, and facilitator. We create the infrastructure that connects the world and evolves with every advance in technology. By investing all of our capabilities, resources, relationships, and products into your toughest challenges, we continue our long history of solving problems together—paving the way for new ideas and fresh ways of thinking.

We're a trusted resource and partner around the world because we're invested in you: your people, your networks, your success. It inspires us to build relationships and infrastructure... connect people and technologies across protocols, oceans, and time zones... and share what we learn along the way. We'll never stop connecting and evolving networks for the business of life at home, at work, and on the go.

**This is our promise to you.
This is CommScope.**



www.commscope.com

Visit our website or contact your local CommScope representative for more information.

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Andrew Metro Cell Concealment Solutions:
Boost capacity in urban environments and minimize deployment costs.



Capacity Enhancement Solutions

POWERED BY



It's a jungle out there.

The data demands of your Big City customers continue to rise, yet zoning restrictions and site acquisition costs have made traditional macro cell site deployment difficult in their dense, urban environments.

Customers want—no, demand—a network that provides reliable connections, with user loyalty only as durable as the next service interruption. Your company's image risks suffering irreparable damage to its image before the first formal customer complaint finds its way to you—and, by then, it's too late.

Add to this the need to deliver state-of-the-art RF system performance that's capable of supporting multiple technologies—all in a low-profile package that's easy to conceal—and you quickly realize that demand has become more demanding than ever.

As of 2010, more than half of all people live in an urban area.

By 2030, 6 out of every 10 people will live in a city, and by 2050, this proportion will increase to 7 out of 10 people.

World Health Organization

48%

PERCENTAGE OF MOBILE DATA TRAFFIC THAT WILL BE OFFLOADED FROM THE MACRO NETWORK BY 2015.

ABI Research

INCREASE CELL DENSIFICATION

IMPROVE CAPACITY AND COVERAGE

Simply boosting capacity comes at a steep cost

Traditional densification methods of building or leasing more macro cell sites may be impractical, with suitable sites, when available, prohibitively expensive. Factor in waiting periods of up to two years to get on air, and you realize it's an inefficient prospect at best.

Obstacles abound at nearly every turn

There are options, of course. Smaller sites can get you closer to your customers and improve cell densification without relying on expensive macro cells. But, too often, you'll end up simply swapping one large problem for dozens of smaller ones.

Meanwhile, zoning ordinances, local regulators, and neighborhood associations create extremely challenging standards for concealment and aesthetic appearance, all of which make it more expensive to find appropriate sites and more expensive to deploy and maintain them.

Passing along those costs to your wireless customers is a sensitive proposition, yet absorbing them internally can put a big dent in your profitability.

There's a better way

Yes, you can increase cell densification and improve capacity and coverage while navigating the complexities of macro cell costs and zoning complications.



Get it done—anywhere— with CommScope Metro Cell concealment solutions.

CommScope's Metro Cell concealment solutions increase capacity and coverage with minimal aesthetic impact, avoiding zoning and other community approval challenges.

Modular performance in an attractive, easily concealed design

Metro Cell concealment solutions are a portfolio of fully integrated, factory-tested cell site systems comprised of an upper headframe module and a lower monopole support module. The sections deploy quickly and efficiently, while providing you with greater capacity and coverage.

Upper headframe

The upper module provides a variety of system options, all installed under one low-profile headframe cover that mounts on a monopole, rooftop or other applications. Available system components include:

- Base station antennas with or without remote electronic tilt (RET) devices
- Microwave antennas for backhaul
- Tower-mounted amplifier (TMA)
- Diplexers
- Fiber and coaxial cable
- Jumpers



Lower monopole support section

The lower monopole support section incorporates an integrated monopole module design that comes fully assembled. In some cases, it can be preterminated and cabled for plug-and-play installation with the upper module.



Features that help you stay ahead of surging demand

Addressing the challenges of traditional small cell deployments and with an eye toward future requirements, our Metro Cell enables you to design and build capacity when and where you need it, with innovative features that include:

- Low-profile design that improves appearance, addressing aesthetic concerns that can otherwise delay deployments
- Factory pre-assembled and tested so it's deployment ready
- Increased capacity and coverage for minimal zoning impact
- Radio-neutral design that supports multiple carriers and multiple technologies
- Direct CapEx and OpEx benefits that reduce total ownership costs
- Microwave backhaul options, including a range of Andrew® microwave antennas available in high-performance models
- Seamless integration with CommScope ION®-M Distributed Antenna System (DAS) remote units that cover up to a 20-kilometer (12-mile) radius in virtually any outdoor campus and allow forward compatibility with the next generation of remote units

OPTIONS, OPTIONS, AND MORE OPTIONS

We offer multiple system options, heights and applications, including:

- **STREET POLES:**
6–37 METERS (20–120 FEET)
- **ROOFTOPS:**
4–10 METERS (13–33 FEET)
- **HEADFRAMES:**
1.8–10.9 METERS (6–36 FEET)

The CommScope advantage

As a CommScope solution, Metro Cell is integrated and tested before it leaves our factory, leveraging our decades of experience to simplify deployment. As a result, your system can be installed faster, with plug-and-play confidence that helps you roll out more sites in less time.

Cell densification: made real, made simple—and made small

CommScope's Metro Cell concealment solutions align advanced technology and real-world problem solving to deliver results that make a difference for you and your customers:

- **Reduced operating costs.**
Lower-power systems and smaller footprints that require fewer maintenance truck rolls reduce OpEx over the long term.
- **Superior capacity and coverage.**
Provides your customers the bandwidth and speed they demand

All of which means more efficient operations, a healthier bottom line, and enhanced customer satisfaction. And it's all possible with CommScope and Metro Cell concealment solutions.

Metro Cell concealment solutions from CommScope address a difficult challenge by delivering a pronounced advantage. It's the perfect alignment of a slim profile, an integrated design, modular architecture and a technology partner that's dedicated to solving problems, not just pushing technology.

**That's the CommScope promise—
and the promise of a smarter way
to grow your business.**

Contact your local CommScope sales representative to see how you can better serve your metropolitan customers with the Metro Cell concealment solution options that deliver coverage, capacity and concealment.