Realize your vision
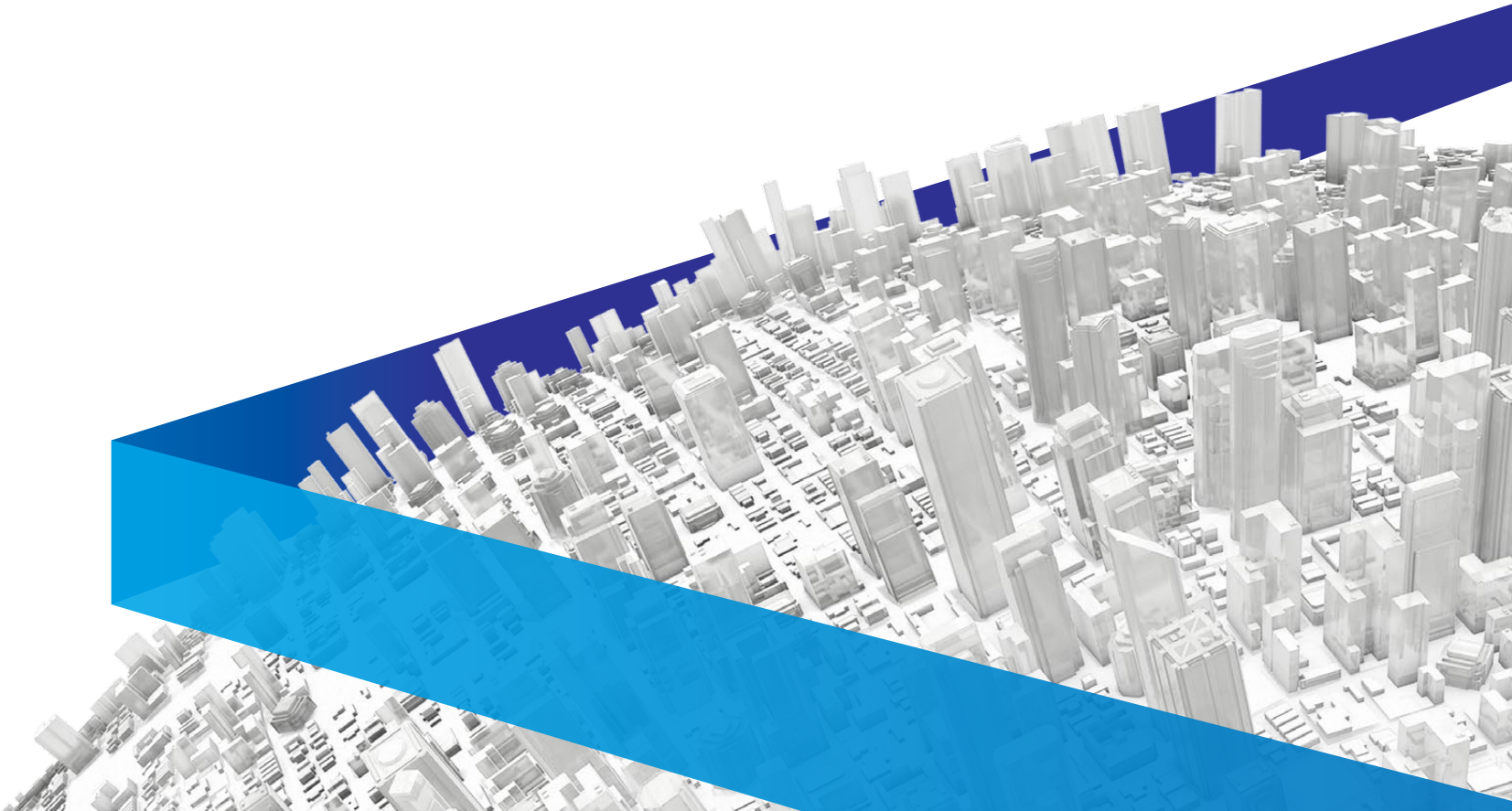# of the fiber future

Speed

Capacity

Scale

Savings

Let us unlock the potential of your network

A brighter future awaits your network on the glass strands of pure innovation. For more than 25 years, CommScope has been a trusted leader in fiber-optic infrastructure all over the world. Our customers count on us to anticipate their needs, solve their problems and help them chase down every opportunity.

The CommScope fiber difference is clear in every way that counts—in speed, capacity, scale and savings.

When your network has all four of these benefits, the limits fall away and your business thrives.

Let us show you how.

Fiber excellence

Enterprises, data centers, cable TV, telecommunications and other networks have all grown up with CommScope fiber solutions over the years. Today, we are a leading manufacturer of fiber-optic connectivity and wireless solutions—converging two technologies that are driving the next stage in network evolution. See how we combine innovation, insight and expertise to build high quality solutions —and how we can help your next network migration succeed.

For CommScope, fiber is more than a solution. It's a science.   >>>

Fiber solutions

What makes our technology stand out as your solution?
Simple. It's in the way we help your network overcome the challenges it actually faces.

Data center networks	Commercial building networks	Wireless networks	Wireline networks
>>>	>>>	>>>	>>>

Fiber applications

Cloud, enterprise, multitenant	LAN, in-building wireless, campus networks	Cell site backhaul and fronthaul	Central office, residential, outside plant
>>>	>>>	>>>	>>>

Fiber Excellence

Global presence. Support you can count on.

>30
global manufacturing
and distribution centers

6,000+
installation partners and
hundreds of CommScope
customer-care professionals

100+
nations served by
500+ distributors

COMMSCOPE
INFRASTRUCTURE ACADEMY
Our partners are trained and
certified to ensure quality

20,000+
global employees focused
on creating the best
solutions and delivering the
best customer experience

BACK TO MAIN MENU

Fiber Excellence

Technology can help your network, but it takes a solution to help your business.

Theory is one thing, but results are another. CommScope understands that meeting technical challenges only works if we help you meet your business challenges, too. That's why we build every solution to deliver more speed, simplicity and savings. Across our vast portfolio of solutions in all the industries we serve, you will find three things in common.

- It will be reliable with superior quality..

- It will be easier to install, configure and optimize.

- It will deliver more performance, more savings, or both.

These three characteristics perfectly describe CommScope's fiber solutions. It's all possible due to our broad capabilities in rapid prototyping and extensive testing. Advanced 3D printing with composite materials accelerates the development of innovative designs you can validate yourself, in your own labs. We also bring vast experience in network design, with solution architects and field engineers who help make your migration strategy and design a simple, dependable process.

BACK TO MAIN MENU

Fiber Excellence

Our solutions follow your network from end to end, and to the ends of the earth.

CommScope offers a truly comprehensive fiber connectivity portfolio for true end-to-end solutions. You can work with one solutions partner, from multiple dwelling units (MDUs) to the fiber access network, to the central office and headend. When it comes to deploying fiber quickly and economically, you can trust the reliability of our factory-tested, fully compatible infrastructure.

CommScope maintains strict material and manufacturing quality control at our 30 factories all over the world. Backed by our integrated supply chain, CommScope has the scale to deliver and the quality to overcome your greatest challenges.

CLICK HERE
to view CommScope's
global fiber capabilities map

When we sweat the small details, we do it with a microscope.

In fiber, even a microscopic flaw can have big consequences for network performance. Attention to detail is everything, because the reality is that "good enough" is never "good enough." And that's why you won't have to settle for it.

We sweat the details because those are the lifeblood of your network—and your business.

BACK TO MAIN MENU

Global fiber capabilities map

Technical Design/Engineering Locations

Global Headquarters

Fiber Manufacturing Locations

Distribution/Warehouse locations

BACK TO MAIN MENU

CommScope is with you every step of the way on the migration that never ends.

Your data center is now in a state of perpetual migration. Demand continues to skyrocket, but your cabling infrastructure costs don't have to. Selecting a fiber infrastructure platform that can serve today's needs while enabling simple expansion to higher speeds is imperative.

CommScope's fiber solutions can help you increase port density, compound capacity, and grow with speed and grace. It's not about buying the infrastructure your data center will need five or 10 years from now. It's about smoothing the path between now and then with fiber solutions that scale efficiently, simply and economically.

1998

LazrSPEED®300

Industry's first laser-optimized multimode fiber, enabling speeds greater than 1 Gbps to operate over multimode fiber for the first time.
The OM3 standard, published in 2002, was written around this technology.

2003

TeraSPEED®

Industry's first zero-waterpeak singlemode fiber. OS2 standards published in 2006.

LazrSPEED 550

The industry's first laser- optimized fiber with enhanced bandwidth, standardized in 2009 as OM4.

2005

InstaPATCH®360

Introduced Method B Polarity for preterminated fiber systems, which became an industry standard in 2006.

2015

LazrSPEED OM5 WideBand

Introduced as the industry's first wideband multimode fiber cabling system, which was later standardized as OM5 in 2016.

2018

SYSTIMAX®ULL

High Speed Migration portfolio introduced Ultra Low Loss component options for 8-, 12- and 24 fiber architectures.

A history of reliably revolutionary innovation

Simpler data centers are within reach

Cloud, multitenant or enterprise,
there's no place fiber can't take you

As data centers grow more complex, so do their environments. Colocation and cloud distribution have made it harder to understand just where your data center actually is, let alone to understand its complicated infrastructure. More than ever, it's a business-critical priority to reduce complexity—not only as a matter of technology management, but also cost management.

CommScope leads this charge with fiber solutions that conquer complexity and streamline deployments and migrations. Preterminated fiber, high-density panels and modules, ultra-low-loss assemblies, optical distribution frames, automated infrastructure management and other cutting-edge solutions all make it a simple matter to know what your data center is doing now—and how much more you could be doing with your existing assets.

End-to-end simplicity starts with choosing an end-to-end solutions partner.

FEATURED VIDEO

▶ Watch Video

High Speed Migration platform
An agile foundation for flexible growth

COMMSCOPE

High Speed Migration –
Bandwidth without boundaries

BACK TO MAIN MENU

9

We're helping you plan for your network's future—whatever it brings

COMMSCOPE®   White paper

📰 **Read White Paper**

Fiber backbone cabling in buildings

Fiber backbone cabling
in buildings

Network connectivity is considered an always-on utility these days—like electricity and running water, people expect it to be available in your building 24 hours a day. For building deployments, fiber infrastructure provides the speed, capacity and reliability to handle anything—whether it's LAN access, in-building cellular networks, campuses or the backbone for a vast meshed network of intelligent building sensors that optimize your operations.

CommScope fiber solutions not only extend the distance your infrastructure can reach, they also offer speeds over 1 Tbps—a thousand times faster than Gigabit speeds—in your network's backbone. Low latency and minimal optical power loss provide a foundation for demanding industrial- and building automation applications, and it comes with the extra capacity you'll appreciate in the years ahead.

In an always-on connected world that's increasingly diverse, it makes sense to choose a fiber solution that's ready for what the future holds. That's how now meets next.

BACK TO MAIN MENU

Fiber Applications | Commercial building networks

Connect confidently indoors

Your in-building network is doing more than ever. LANs are supporting more users, applications and devices—Wi-Fi, intelligent building sensors and monitoring, IP cameras, and other connected devices that require electrical power as well as data connectivity.

Enterprise spaces are also adding in-building wireless solutions to provide indoor mobile coverage where the macro cellular network struggles to reach—requiring vast amounts of bandwidth and low latency.

All these services add up to one big challenge for indoor networks. CommScope brings the solution in our innovative hybrid fiber solutions that combine electrical power and data in single, slender and easily-handled form factor. We also offer C-RAN antenna systems, distributed antenna systems (DAS), and small cell solutions that use fiber's speed and low latency, along with Category 6A copper infrastructure. That means you can deliver dependable connectivity from the parking garage to the penthouse.

**Innovative, intuitive and easy-to-deploy fiber solutions from CommScope
can connect your building to a brighter future.**

FEATURED VIDEO

Era™ C-RAN antenna system

▶ Watch Video

CommScope
Era™ C-RAN Antenna System

BACK TO MAIN MENU

Wireless networks all over the world count on us to keep their customers connected.

The macro network is under siege from more users, more devices and more bandwidth-hungry applications than ever. And with 5G on the horizon, network congestion is only going to get worse—unless you're prepared with CommScope's end-to-end radio access network (RAN) fiber solutions.

Our fiber-to-the-antenna and fiber backhaul, fronthaul, and crosshaul solutions can help clear the bandwidth bottlenecks and help you deliver a more satisfying customers experience on your network. Even better, the emergence of cloud RAN (C-RAN) is opening up incredible opportunities for wireless operators—and CommScope's low-latency fiber solutions can take you from the core to the edge faster than you ever dreamed.

Bandwidth, efficiency, speed and the agility to evolve—it's what your network needs right now, and what we deliver every time.

Give your network backhaul bandwidth without boundaries

Wireless network architecture is evolving fast—and so is its topology. Super-efficient tower-top radio equipment unlocks incredible efficiencies, but it takes the right fiber-to-the-antenna solution to fully realize those efficiencies. Hybrid fiber cable solutions from CommScope not only power your remote equipment, but provide the bandwidth, speed, scalability and redundancy a growing network needs.

Then there's the question of getting all that traffic to and from the core network. CommScope answers that challenge with fiber backhaul and fronthaul solutions that open a wide pipe from your sites to your core—and the super-low latency required by cloud radio access network (C-RAN) virtualization and mobile edge computing (MEC).

We also offer plug-and-play central office solutions like the NG4access® optical distribution frame, Rapid Fiber™ distribution panel and fiber traffic access points that simplify migration and expansion.

Indoors, outdoors, from the central office or headend to the last mile access, and inside the MDU or home—CommScope fiber brings connectivity where your need it..

FEATURED VIDEO

▶ Watch Video
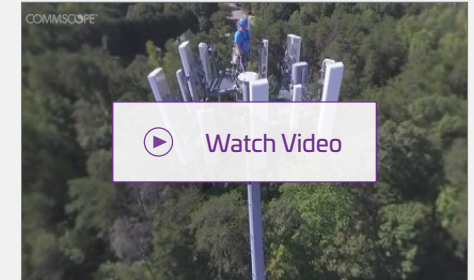
HELIAX FiberFeed® Connectivity

FEATURED BROCHURE

☰ Read Brochure

Brochure: Fiber-optic connectivity solutions for wireless backhaul infrastructure

BACK TO MAIN MENU

Let us help you build a fiber-based world

This will be remembered as the era when fiber speed, capacity and reliability became the norm for all kinds of users, not just enterprise and wireless operators. The economics make sense, the demand is there, and, thanks to CommScope, the solutions are right at hand.

Together, we can bring fiber performance to all. We can connect customers to the cloud, lay the foundations for 5G networks, enable smart homes and support the Internet of Things (IoT).

Intelligently designed, plug-and-play solutions make it easy to quickly deploy fiber to homes, multidwelling units (MDUs) or anywhere customers call for it. Rugged, flexible designs make fiber deployments about as easy as traditional copper or coaxial solutions.

Indoors, outdoors, from the central office or headend to the last mile, and even inside the home—CommScope fiber brings connectivity where your need it.

CommScope is the innovative pioneer that's led the way with:

- First plug-and-play outside plant (OSP) splitters
- First swing frame fiber distribution hub (FDH)
- First Rapid Fiber technology (panel/box/outlet)
- First high-density fiber distribution frame system
- First 24" FiberGuide

- First angled SC connector to meet OSP requirements
- First small-form-factor connector to double SC density
- First 3 mm ruggedized I/O cable
- First 1.2 mm ruggedized cable

When you're fully fiber, you're fully future-ready

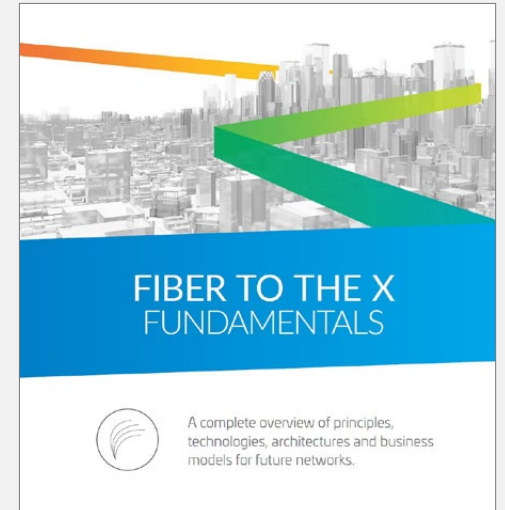## Innovation you can trust for central office, residential and outside plant applications

Bringing fiber speed and flexibility to subscribers' homes once seemed like an impossible dream. Now it's a business-critical imperative, and CommScope solutions can help you achieve that goal on-time and on-budget.

Our future-ready fiber portfolio extends your fiber connectivity from the central office to the outside plant to the home, efficiently and elegantly. Our fiber enclosures, hubs and hardened connectors and terminals feature innovative designs that make them more than effective— their simple, quick installation makes them eminently practical as well.

We redefine what's possible at every level—from a network's grand design to its smallest connector. For instance, our fiber distribution hub solution is a smart convergence point for wireless, residential, and business services. With a converged fiber network, you can deliver better user experiences at a fraction of what it used to cost.

CommScope knows that the future of your network is more fiber in more places—and we build the solutions that make your complete fiber network practical.

FEATURED EBOOK

FIBER TO THE X
FUNDAMENTALS

A complete overview of principles, technologies, architectures and business models for future networks.

Read eBook

BACK TO MAIN MENU

Your network can embrace the power of progress.

We're ready to show you how.

As you chart your network's course through the fast-growing potential of fiber, you can trust CommScope's expertise to provide the most innovative, productive and powerful solutions on the market. Informed by decades of experience and driven to help your network thrive, we can help you meet today's challenges and plan for tomorrow's.
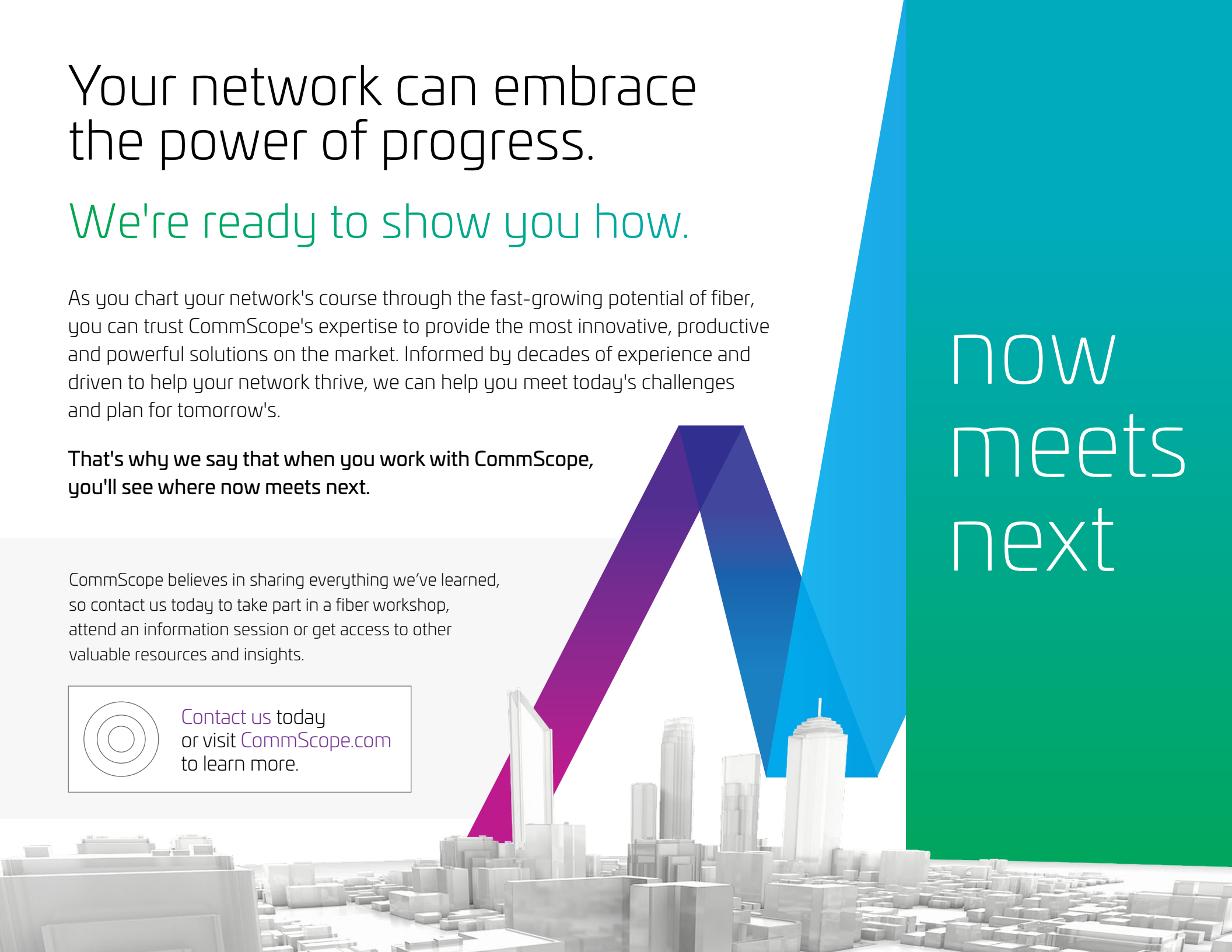
That's why we say that when you work with CommScope, you'll see where now meets next.

CommScope believes in sharing everything we've learned, so contact us today to take part in a fiber workshop, attend an information session or get access to other valuable resources and insights.
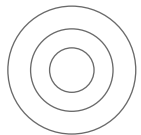
Contact us today
or visit CommScope.com
to learn more.

now
meets
next

CommScope pushes the boundaries of communications technology with game-changing ideas and ground-breaking discoveries that spark profound human achievement. We collaborate with our customers and partners to design, create and build the world's most advanced networks. It is our passion and commitment to identify the next opportunity and realize a better tomorrow. Discover more at commscope.com
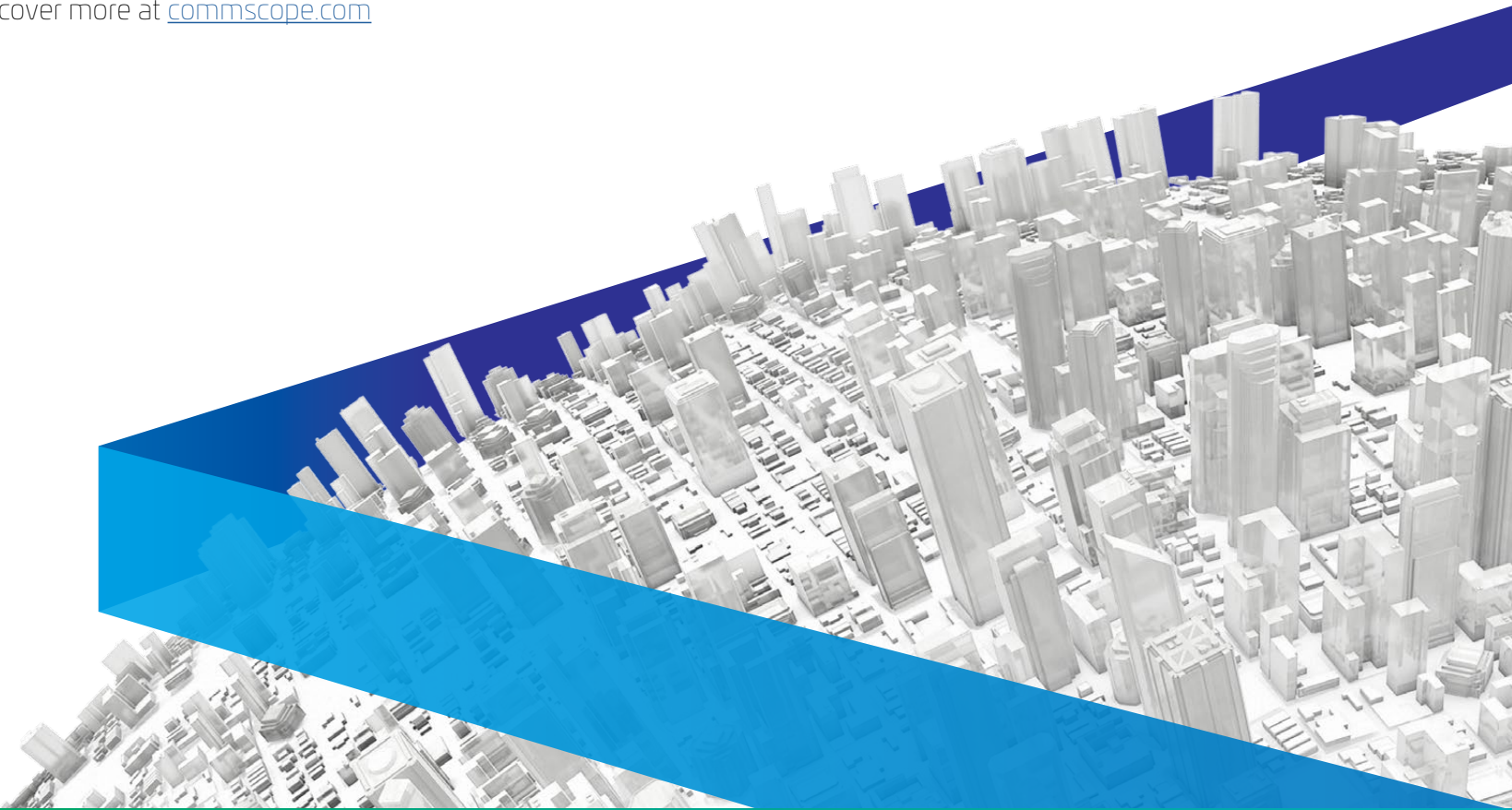
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