CommScope OSP Services

Your trusted partner for outside plant services

COMMSCOPE®

The outside fiber plant (OSP) is a generational investment, representing about 75% of total network deployment costs.

When it comes to OSP planning and design, there is no room for error. Day 0 mistakes become Day 2 headaches, cost overruns or worse.

As network complexities, technologies and architectures rapidly evolve, planning, designing and deploying an OSP network that's adaptable, reliable and efficient requires unparalleled expertise. Few understand this better than the CommScope OSP Services team.

CommScope OSP Services delivers

Lower TCO ▶	Strict QC/QA protocols, 50 years of fiber network experience
Faster ROI ▶	Advanced planning tools, efficient project management processes
Future-ready network ▶	Technology-agnostic design, long-range market vision
Resource optimization ▶	Free up staff while retaining complete project control
Confidence ▶	A global leader in OSP networks with the strength and resources

Why CommScope OSP Services?

As one of the world's largest manufacturers of outside fiber and connectivity solutions, CommScope has a deep and broad understanding of what it takes to create a scalable, future-ready and sustainable network. Moreover, we provide the resources, expertise and services to help you build it.

Our dedicated OSP Services team includes designers, engineers, permitting specialists and project managers. Their expertise ranges from G-PON/XGS-PON technologies to CAD, mapping and GIS-based planning and design tools. With more than 50 years of fiber network expertise, we know FTTH, FTTT and FTTP architectures inside and out, from the central office to the home. As your global partner, we provide the strength, experience and OSP services for a high-efficiency fiber infrastructure—one that adapts and supports your network for decades to come.

Portfolio, tools and techniques

Delivering a robust suite of OSP Services

The CommScope OSP Services team provides an extensive portfolio of planning, design and project management services for residential and commercial networks. In addition to comprehensive planning and design, we also provide fielding and permitting support as
well as manage construction, contractors, vendors, materials and logistics.

With the exception of fielding, all work is performed remotely to minimize cost and to accelerate service turnup. Select the services you need, and we integrate with your team—quickly and seamlessly.

Planning and design
- Project management
  (construction, vendors, materials, logistics)
- Base mapping
- FTTH (GPON/XGS-GPON), FTTT and FTTP networks
- Small cell power and fiber systems
- RDOF deployments
- Long-haul and dark fiber routing
- Strand/splice
- Central office connectivity
- Architecture modeling and build/cost optimization

Documentation and reporting
- Fiber network standards, guidelines and documentation
- As-built digitization
- Splice matrices
- High-level, project-specific dashboards
- QA/QC services (permits, design, fiber planning, billing/invoicing)

Fielding
- Pre-engineering, walkouts, site survey and audits
- Rod and rope conduit verification
- Forced relocations and road moves, design and drafting
- Address fallout curation

Permitting services
- Right-of-way acquisitions
- Federal lands, municipalities, conservation, railway, etc.
- Permit management, tracking and submission
- Aerial and underground approvals
- Joint use agreements
- Full PAR, ESA and PLA analysis

Streamlining network design with advanced tools and technologies

The CommScope OSP Services team leverages a wide range of software tools and technologies to accelerate network design and planning and to streamline project management. Here are some of the resources we use regularly, in addition to our customers' proprietary software solutions:

- **Network planning/design:** ARCGIS, 3GIS, NDS, IQGEO, ARAMIS
  and WALDO
- **Geospatial planning/mapping:** QGIS, Google Earth Pro and UAV
  w/LiDAR
- **Civil engineering:** GEOPACK
- **CAD design:** AutoCAD, MicroStation
- **Utility planning/mapping:** ARCFM, IKE Office, O-Calc, SPIDAcalc, Katapult Pro and Quick Pole
- **Construction management:** Render, Vitruvi
- **Infrastructure planning/management:** Comsof Fiber, Sitetracker and spatialNET
- **Project management:** Microsoft 365 and Smartsheet

Engineering the future of broadband

Service providers across North America trust CommScope for complete, end-to-end Fiber-to-the-Home (FTTH) solutions that optimize broadband deployments with reliable quality. Our proven, innovative technologies help deploy faster, simplify management and scale to meet the demands of modern connectivity, advancing Broadband For Everyone™ solutions. Backed by 50 years of U.S.-based expertise and offering Build America, Buy America (BABA)–compliant products tailored to today's standards, CommScope empowers providers to deliver future-ready networks while maximizing cost efficiency and supporting long-term value.

Discover more at commscope.com.

Connect with the CommScope OSP Services team.

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