



## Services

### Microwave RF Design for PTP and PTMP

Mission-critical solutions for Government & Public Safety wireless communication applications.

- Our engineers design and configure secure, reliable systems cost-effectively.
- Meeting the demands of federal, state and local governments, agencies, public service depts.
- Wireless backhaul for first responders: EMTs, paramedics, firefighters, and police.
- Total solution from your core network to mission-critical voice backhaul, building interconnectivity, and video surveillance. Also, providing high quality services to the Utility, Transportation, Education and Enterprise markets.

### Frequency Planning & Licensing Services

Comprehensive radio frequency management for public safety agencies, experienced staff; full radio frequency management services such as:

- Frequency coordination & engineering
- License preparation and management

### Tower/Building Installation Services

Structural engineering services provided to private & public sector clients (nationally since 2010). Installation services for all tower & building communication applications such as Point to Point Microwave, Point to Multi-Point wireless distribution and Mesh. Crews are trained in most of the leading manufacturer's technologies and certified by OSHA and ComTrain for vertical ascent.

### Small Cell Engineering & Installation Services

Commercial and public sectors use Small Cell Cellular and WiFi to provide high capacity cellular data and WiFi Internet access for a full range of devices. Providing Wireless Mesh services:

- Survey, Predictive modeling, BOM generation,
- Design, Installation and Integration

Designs are created using products & services from leading manufacturers; robust connectivity solutions for a city, agency or business applications.

### Public Safety DAS/BDA Network Design & Installation Services

Cities are now requiring occupancy licenses and Fire and Police radio signal repeating systems to ensure proper handheld communications in new construction. Backhaul Engineering offers a full package of services for Public Safety RF compliance:

- Signal propagation studies, predictive modeling,
- Design, installation and compliance with local Police and Fire.

### Structured Cable

Robust, flexible, and reliable communications network infrastructures for municipalities, education, utilities, and others. Designing turnkey, cost-effective solutions:

- Data systems
- Video surveillance
- Plan, engineer, and implement high-quality structured cabling systems within budget

### OSP Solutions

Indoor and outdoor applications; your single, comprehensive, and turnkey solution for communications and related services:

- Underground cabling, Ground Ring Protection
- Aerial Cabling, Commercial Electrical Services
- Environmental Cabinet placement
- Trenching for Conduit placement
- Integrated OSP services

### Network Maintenance, Monitoring & Dispatch Services

Commercial data equipment monitoring for "keep alive" and expanded MIP SNMP traps, maintenance services to ensure the components are in good working order and dispatch services for SLA level break/fix.



## About Diversitec Family of Companies

Diversitec is a 25-year-old, TL-9000 certified, privately held Richmond, Virginia based company specializing in DC Power, batteries, logistics, kitting, virtual warehousing, and new, or hard-to-find manufacturer discontinued telecom parts such as switches, transport gear, and line cards. With respect to DC Power, Diversitec is a designated Eltek power electronics premier DC Power integrator for the United States; only one of five companies to receive this designation. In addition to Eltek products, Diversitec is a multi-year award-winning integrator for GE. We also offer Vertiv (formerly Emerson) and Alpha products.

Subject matter experts on staff to design, engineer, and provide turnkey DC Power back-up solutions including full repair services on telecommunications equipment.

The company also maintains millions in secondary market inventory that is new, new old stock (NOS), repaired, or refurbished; we cover nearly 50 years of telecom equipment from hundreds of manufacturers. Diversitec is under multi-year contracts with customers such as Verizon, AT&T, Frontier, Level 3, and Lighttower. We integrate legacy equipment into modern communications infrastructure and replace work out parts for some of the world's largest telecom companies.

We serve telecommunications, healthcare, technology, rail, education, utility, and emergency operations markets. Diversitec is the parent company for subsidiaries Edge MCS, LLC and Backhaul Engineering, LLC.

## Backhaul Engineering

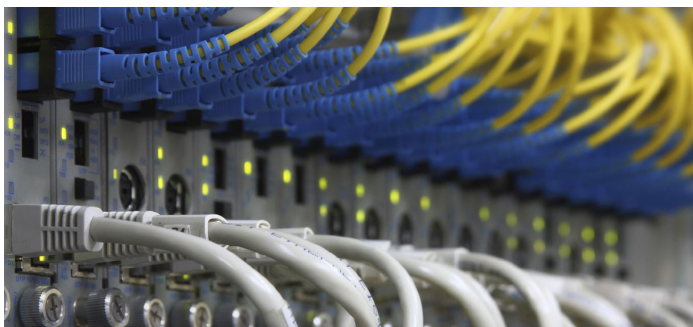
A Diversitec Company

Backhaul Engineering is a single-source wireless engineering services company with more than a decade of industry experience. The wireless industry counts on us to provide high-quality engineering, design, and support services. Serving national and local clients: path engineering, spectrum management, interference mitigation, troubleshooting, drone services and our unmatched installation management services.

Designs are correct the first time, every time. Our clients are benefitting from efficiency, trouble-free operation and increased up time.



Based in Richmond, VA, Edge Mission Critical Systems (Edge MCS) is a global OEM for the pre-engineered, turn-key modular data center (MDC); the Binary Bunker and custom engineered MDCs. We offer a totally engineered, PE-stamped MDC specifically designed for edge network and modular applications where redundancy, excellent power density and highly efficient cost of ownership is required. Our MDCs are made of rigid, lightweight concrete unmatched in durability and energy efficiency. We are a single point of contact for project management, engineering, site preparation, fuel management, generator back up and custom engineered solutions.



## Contact

### Backhaul Engineering, LLC

14321 Sommerville Court  
Midlothian, VA 23113

**Phone:** (804) 379-6772 | [Mark@Backhauleng.com](mailto:Mark@Backhauleng.com)  
[www.Backhauleng.com](http://www.Backhauleng.com)