For today's businesses and service providers, bandwidth-intensive applications—including data center backup and recovery and cloud services—are driving a need for wavelengths. Our fully managed, private, point-to-point Wavelength solutions provide dedicated bandwidth to guarantee performance when you need it, delivered over a state-of-the-art Dense Wave Division Multiplexing (DWDM) network. It's a high-capacity solution that relieves bandwidth constraints, improves application performance and scales with your business.

We also offer Managed Private Optical Networks (MPON) that are flexible, custom-designed solutions capable of supporting multiple technologies, protocols and applications across a wide area. With MPON you get a turnkey, dedicated private networking solution that's backed by our nationwide footprint, the latest technologies and our experienced support staff.

**Key Benefits**

- **Security**
  - Layer 1 optical encryption
  - Wavelength solutions are FIPS-certified to provide the highest level of in-flight data security.
  - MPON solutions provide an additional layer of security with private fiber and private DWDM equipment.

- **Diversity**
  - When designing diverse routes, we provide protected and unprotected options and leverage unique utility rights-of-way to improve network reliability and survivability.

- **Easy-to-deploy**
  - Similar features to Dark Fiber but with the ease of a managed service.

- **Fully managed**
  - Proactive monitoring ensures high availability and reduces network management requirements and resources.
  - You get the unmatched reliability and peace of mind of our around-the-clock Network Operations Center, so you can spend less time managing your network.

- **Flexibility**
  - Supports multiple protocols with seamless support for IP, Ethernet, SONET and SAN services and is standards based with DWDM equipment ensuring multi-vendor interoperability.
  - Can be customized with ultra-low and low-latency configurations for real-time applications like video conferencing and financial services transactions.

**More than 25 Years of Expertise**

**NYSE S&P 500**

**Our Solutions**

- Towers
- Small cells
- Dark Fiber
- Ethernet
- Wavelength
- Managed SD-WAN
- Internet Access
- Private Networks
- Colocation
- Cloud Connect
- Optical Encryption
- DDoS Defense
- Cyber Defense One
- Bandwidth on Demand
- Fixed Wireless
- Ultra-Low Latency
- Video Transport

For more information, please contact 1-833-635-0963 or visit CrownCastle.com
Crown Castle owns, operates and leases more than 40,000 cell towers and approximately 80,000 route miles of fiber supporting small cells and fiber solutions across every major US market. This nationwide portfolio of communications infrastructure connects cities and communities to essential data, technology and wireless service—bringing information, ideas and innovations to the people and businesses that need them.

We can purchase a network anywhere, but another key layer is the relationship. [...] When the IT team calls the Network Operations Center, they are not passed off to someone else. [...] Over the past few years, Crown Castle’s account management team has served our company as technology advisors.

JIM FLORIAN
VP for Infrastructure Services at Provident Bank