

# Advanced Fiber Monitoring

## Real-time Fiber Assurance

**Advanced Fiber Monitoring puts the power of our most advanced monitoring capabilities to work 24/7 to help you identify, isolate, and remediate potential problems with your fiber infrastructure to reduce downtime impact to your critical services.**

## Driving Performance Through Proactive Monitoring

If you manage a fiber network of any scale, network disruptions come with the territory. Whether it's errant construction crews, animals digging and chewing through lines or vehicles damaging utility poles, there are countless ways that critical fiber optic lines can be damaged.

While there might be no way to prevent these and other types of network disruptions, proactive monitoring of your network can ensure that you are as prepared as possible for the unexpected. With 24/7 Advanced Fiber Monitoring, you can detect disruptive fiber cuts and other performance degradation issues immediately so you can solve the issue and restore service as quickly as possible.

Advanced Fiber Monitoring utilizes a remotely manageable OTDR device along with a passive filter system that dramatically improves the ability to diagnose and isolate issues on the same fibers as your service. Our monitoring rides on the same fibers with impacting throughput or performance.

Advanced Fiber Monitoring offers:

- **Simplicity:** offers streamlined and simplified solutions with a single point of contact
- **Range of solutions:** Layers 0, 1 and 2 – Dark Fiber + Managed Services, Private Wavelength Networks and Private Ethernet Networks
- **Security:** Connect high-bandwidth facilities within a metro or between cities with a dedicated fiber and dedicated platforms
- **Cost-effectiveness:** Leverage purchasing power and operating scale
- **Coverage:** Connectivity in over 370 markets in the United States and Europe
- **Experience:** market leader in developing custom solutions for specific customer needs

## Service Overview

**Proactive Notification Accelerates MTTR**

**Avoid Time Consuming Fault Isolation**

**Maximize the Value of Your Fiber Assets**

## **Benefits**

### **Improve Service Availability**

Meet aggressive SLAs and reduce repair times by sending repair teams to the precise cut fiber span

### **Accelerate Repair Cycles**

Passive, non-intrusive, in-band monitoring provide faster OTDR metrics

### **Ensure Real-Time Fiber Integrity**

Proactive, in-band fiber monitoring enables fast remediation

### **Cost-Efficient Fiber Assurance**

Quickly isolate faults and eliminate unnecessary repair efforts