

# FIBER OPTIC EXTENSION SYSTEM



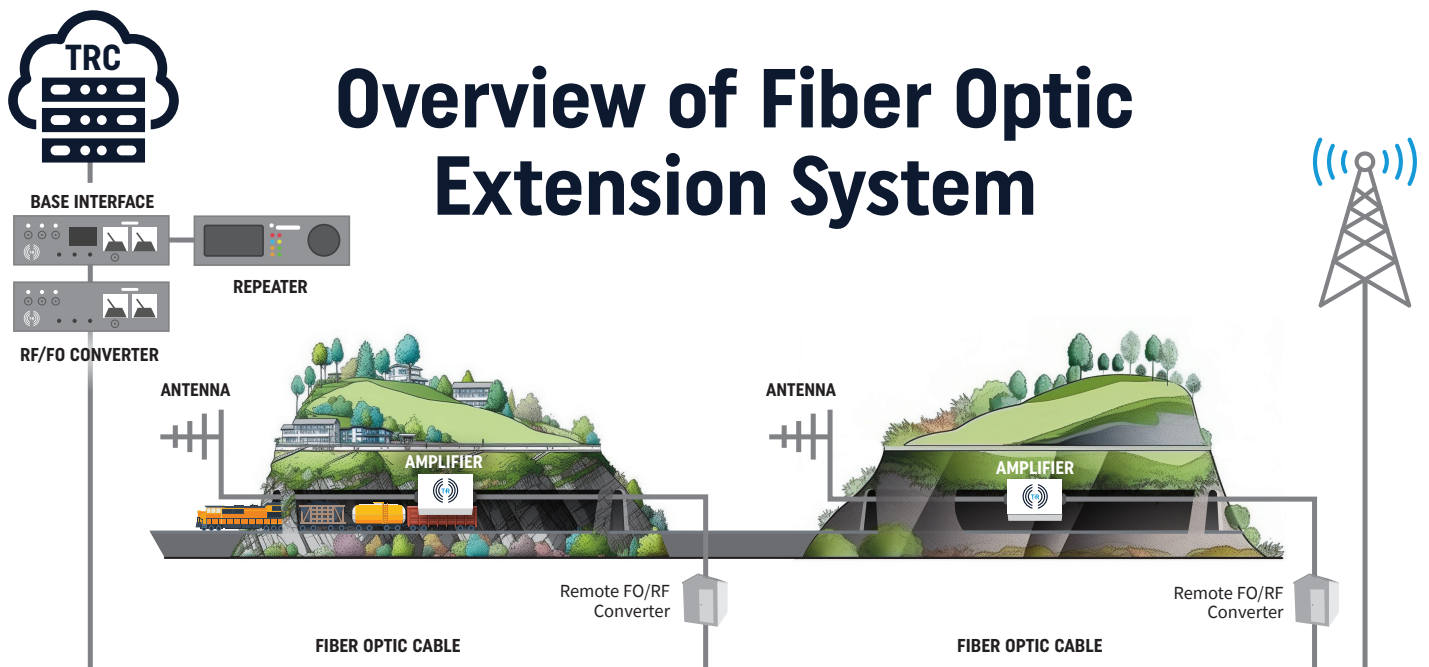
In underground and hard-to-reach environments like rail, mines, and critical infrastructure, reliable communication is vital to worker safety and productivity. For multi-mile and multi-site operations, whose large-scale environments pose additional challenges to communication, reliability is even more important.

## A scalable solution for large-scale operations

Tunnel Radio's fiber optic (FO) solution provides scalable and seamless connectivity under all conditions, especially for expansive operations. Traditional radiating cable (leaky feeder) RF solutions link multiple sites together with the use of hard-wired repeaters, extending coverage down the line with amplifiers. Tunnel Radio's fiber-optic backbone connects multiple worksites or sections of your leaky feeder system into one larger, connected system. The resulting hybrid FO-RF system is easier to maintain --and use.

## Features & Benefits

- Eliminate coverage issues for improved safety, efficiency, and reliability
- Scalable and cost-effective solution for multi-mile and multi-site operations
- Link multiple locations and extend coverage without the need for additional repeaters
- Simplify installation and maintenance by minimizing possible failure points
- Reduce potential for system down events with a reliable fiber-based hardline connection
- Decrease repair times when paired with our TRCentral system monitoring solution



Keep your teams connected under all conditions, from anywhere in your operation, with Tunnel Radio's rugged and reliable fiber optic extension system.