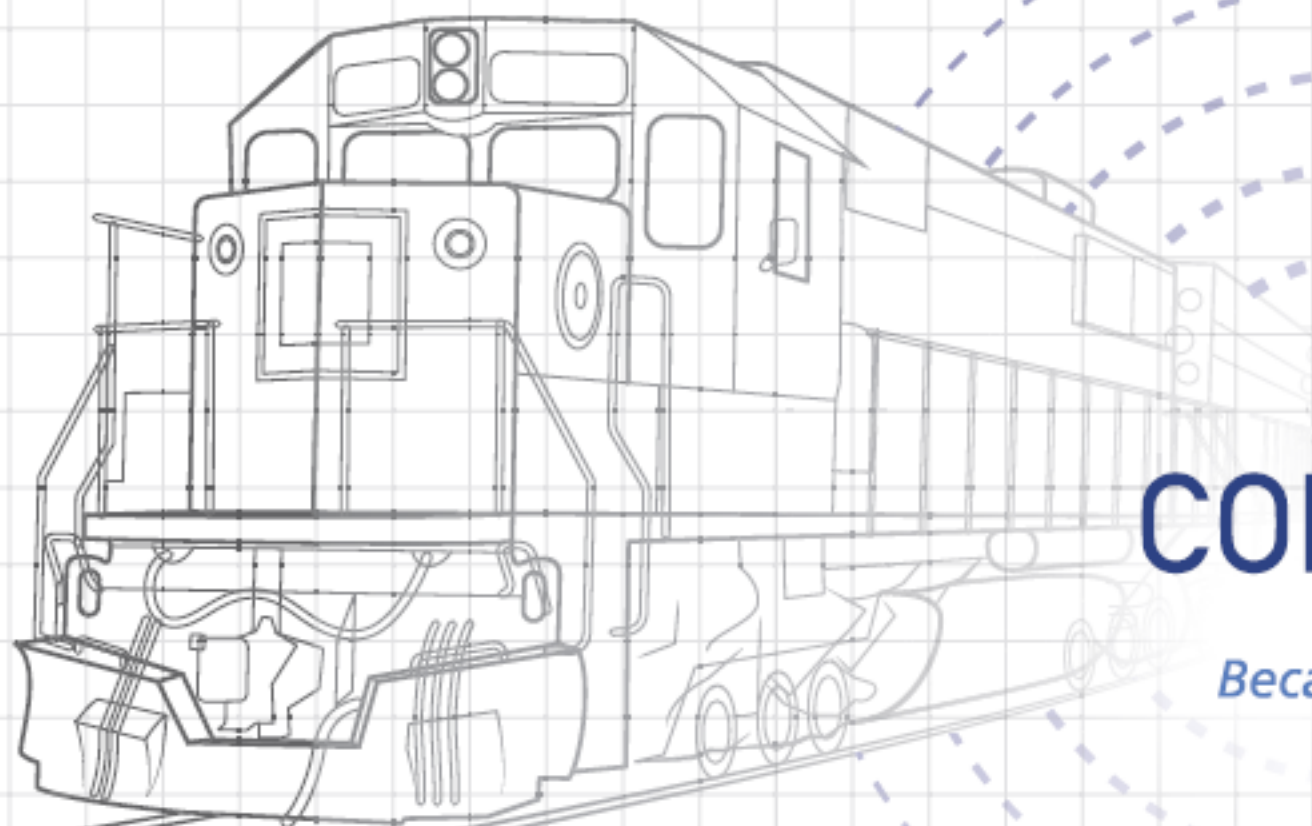




**TUNNEL RADIO**  
of AMERICA, Inc.



# RAIL COMMUNICATIONS

*Because staying connected is everything.*

## DIGITAL RADIO SOLUTIONS

# INNOVATIVE SOLUTIONS

## FOR MAINTAINING AND EXTENDING UNINTERRUPTED COMMUNICATIONS

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In this industry, staying connected is everything. Tunnel Radio's customized rail communication solutions, with remote and direct to tunnel configurations, mean you never lose sight - or control - of your trains. Eliminate dead spots and increase radio signal ranges. In the tunnel, in the mountains - no matter the terrain, Tunnel Radio is there to provide continuous, clear radio communications.

### Tunnel Link® for PTC\* | 220 MHz

Tested and compatible with Positive Train Control Systems, the only amplifier network for 220 MHz signal extension.

- Extends radio signals for 220 MHz Positive Train Control
- Tested compatible with G.E.T.S.™ and METEORCOMM™
- High linearity Bi-Directional Amplifier

### Tunnel Link® for DP | 450 MHz

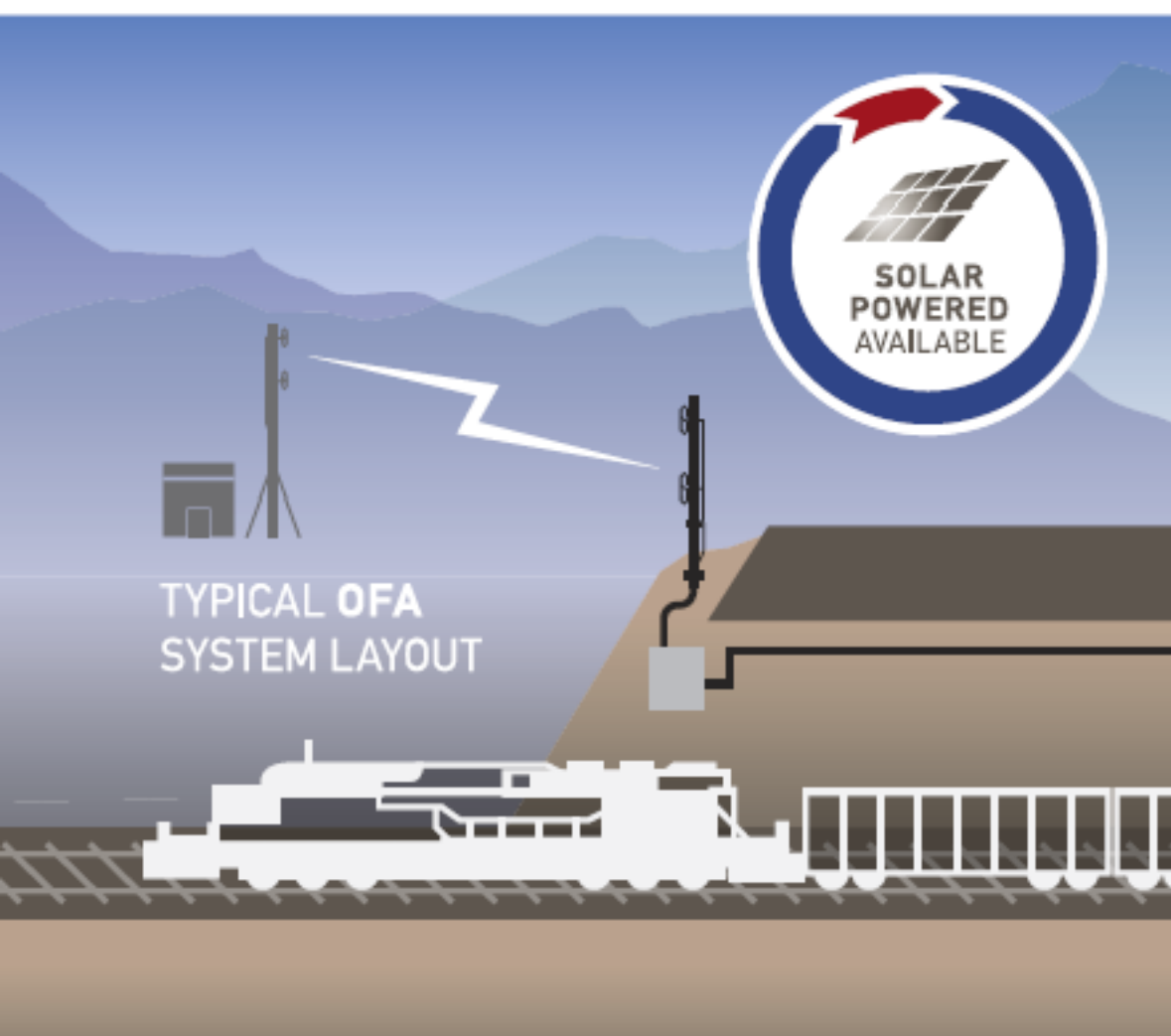
Extend Distributed Power and EOT/HOT radio signals, keeping your systems connected from portal to portal.

- Extends radio signals for GE LOCOTROL®
- Distributed Power and 450 MHz UHF EOT/HOT
- Rugged components designed to withstand the harsh rail environment

### OFA™ | 160-800 MHz

Coverage for Positive Train Control, Distributed Power, and Voice Communications through even the most inaccessible and isolated locations.

- On Frequency Amplifier
- Wirelessly connect to existing base site
- PTC Capable - 220 MHz
- Distributed Power Capable - 450 MHz
- Voice Capable - 160 MHz



\*The initials PTC, as referenced, refer to Positive Train Control, a system of functional requirements for monitoring and controlling train movements.



## Tunnel Voice® | 150-170 MHz

Dependable simplex or duplex VHF communication coverage between dispatch, trains, and crews.

- Virtually eliminate dead spots
- Digital narrow band compatible (standard)
- Multi-channel, simplex or half-duplex capable

## NetComm™ Fiber Network | Broadband

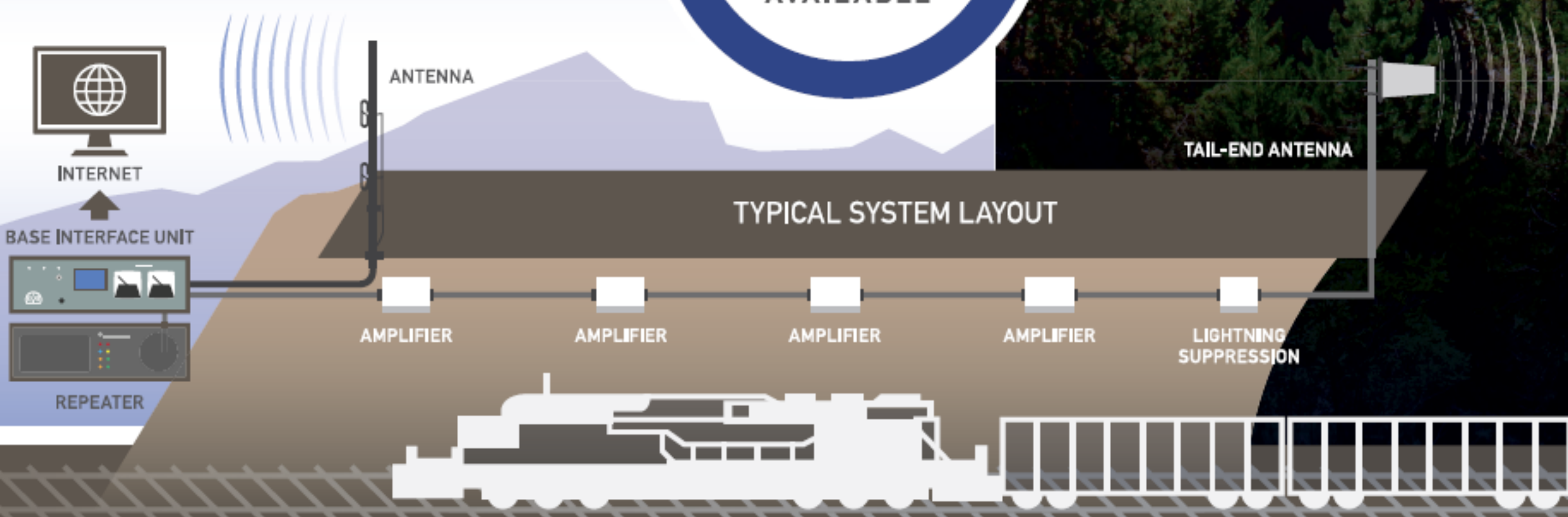
Ruggedized high speed data network via fiber optic or Ethernet allowing for extension of voice communications, WiFi, cameras, cellular, or any other peripheral that uses IP.

- Simplex to Simplex RF communications in any band
- Power over Ethernet available
- Armored fiber optic and Ethernet cables

## TMS Diagnostics and Monitoring

Remote and local system visibility keeping you connected to your system anytime, anywhere.

- Monitors critical operational statistics
- Web-based remote access
- Integrates with Tunnel Link, OFA, Tunnel Voice, and NetComm systems.
- Local or remote access





## About Tunnel Radio

Since 1993, when we launched our first railroad system, our product line has expanded to stay up to speed on your industry's evolving needs and challenges. We set the pace in creating flexible, innovative rail communication solutions. By making it our business to help you succeed, we believe supplying you with quality products and 24/7 support shows we are in it for the long haul.

## Service & Support

For installation and service of our products, we own and operate a fleet of hi-rail vehicles with various adaptations in design to allow us the flexibility to install our products in a variety of shielded environments and tunnels. Our highly trained and e-Rail Safe Certified technicians and field installation crews are available on an ongoing basis to respond to the needs of our customers. We also require basic first aid and safety training for all field supervisors.



### WHAT YOU CAN EXPECT FROM TUNNEL RADIO

- **On-Site Tech Support** from Tunnel Radio service technicians throughout the U.S. who are dedicated to keeping your system optimized for peak performance
- **24/7 Phone Tech Support** affords you help from a real person – not an automated recording
- **e-Rail Safe Certified** technicians and fully equipped hi-rail vehicles ensure that installation and service calls go off without a hitch
- **Full On-Site Engineering Staff** is continually developing and testing new solutions to meet your industry's evolving needs
- **Component Repair** provided by our in-house technicians. Should your system component need repair, we'll help you get it redeployed quickly



[TunnelRadio.com/Rail](http://TunnelRadio.com/Rail)

541-758-5637  
TRsales@tunnelradio.com  
6435 NE Hyslop Rd.  
Corvallis, Oregon 97330

USA MADE

