



ViaSat

ligado
NETWORKS

Keep Your Trains Connected

Our secure, all IP platform brings you pervasive coverage for improved safety and efficiency



Powering Today's Rail Solutions

Connect your entire rail system—including dark territories—with the high-quality data network that's both pervasive and secure. Our solution brings together ViaSat's all-IP Mobile Satellite Services and one of the most powerful commercial L-band satellites ever built, Ligado's SkyTerra 1. Reliable and secure communication across North America enhances safety and efficiency for:

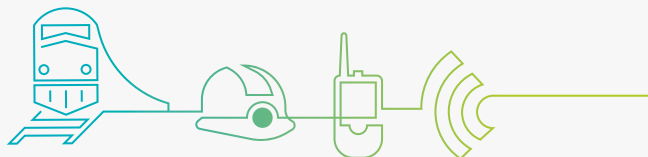
- Wayside Station Monitoring
 - Positive Train Control (PTC)
 - Centralized Train Control (CTC)
 - Tracking and transmitting train speed
 - Traffic levels
 - Open/Closed Switches
 - AEI Readers
 - Hot box detectors
- Locomotive engine performance and fuel optimization
- High rail vehicle and locomotive location
- Push-to-Talk voice services for maintenance and remote workers



Helping You Do More Tomorrow

Ligado's Custom Private Networks will support new levels of system-wide operational efficiency, security and worker safety. Our pervasive, highly secure and ultra-reliable connectivity makes possible:

- Build-to-suit secure, private networks optimizing secure coverage where most critically needed
- Seamless connectivity throughout the entire system with a satellite-terrestrial network that operates as one
- High-precision location services down to centimeter level accuracy
- Improved accuracy for Positive Train Location for worker safety
- Mission-critical situational awareness for trains, dispatch and maintenance workers
- Enhanced augmentation to Positive Train Control (PTC) and Central Train Control (CTC) systems
- Automated track inspections through unmanned aerial systems operated beyond line-of-sight





ligado.com

Get in touch at
ligado.com/contact-us

877.678.2920
10802 Parkridge Boulevard
Reston, VA 20191

800.216.6728
1601 Telesat Court
Ottawa, ON K1B 1B9