



INTELSAT

Reliable Connectivity for Rail Operations

About

With 45% of rail maintenance unplanned, demand for real-time monitoring and intelligent network switching for seamless, always-on data transmission is on the rise. But many railway operators lack the necessary connectivity capabilities that allow them to effectively manage their fleet.

Connectivity dark spots where terrestrial coverage isn't available render locomotives and trains invisible to control centers and hinder critical analytics and monitoring.

Rail communications are increasingly dependent on complex applications that require high-performing, reliable and cost-effective network access.

Whether you need connectivity to ensure crew safety, fleet monitoring, or continuous reporting for and regulatory requirements, rail operations need loads of bandwidth for big data strategies that can enable them to act on insights and realize efficiencies. **Challenges include:**



Operational delays due to unscheduled asset downtime



Manual track inspections that lead to human error and irregularities



Inability to integrate existing and new connectivity technologies

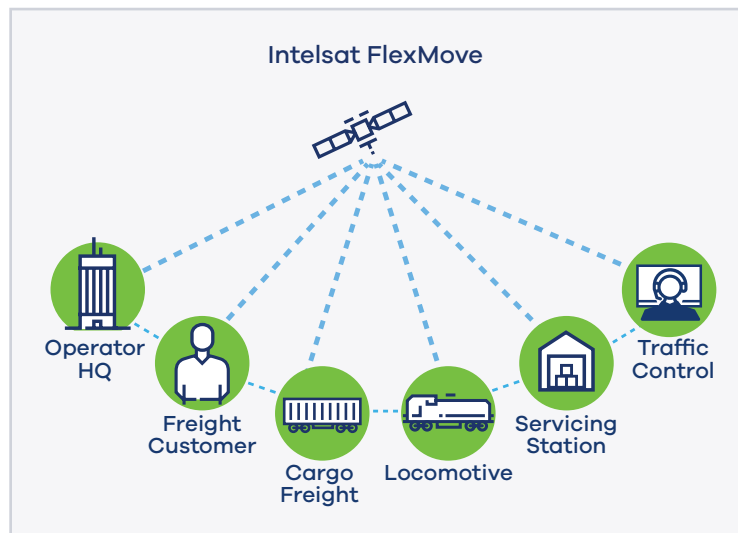
The Intelsat FlexMove Solution

FlexMove is designed specifically for rail operations.

Engineered for both connected mobility to support moving vehicles and portable connectivity which can connect multiple devices, **FlexMove empowers any user to access the internet, private network or cloud-based application in just minutes without the need for in-depth technical expertise.**

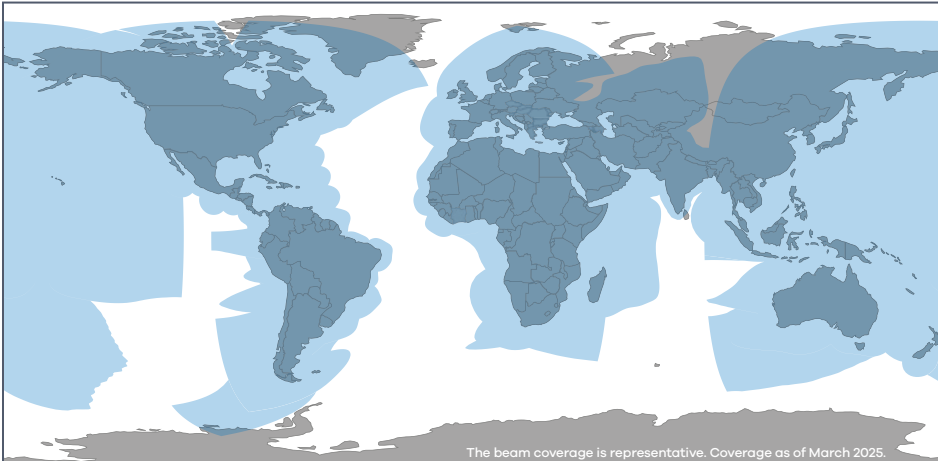
Having a variety of flexible service plans is critical.

Rail operators require varying levels of network throughput depending on unique requirements including data speeds and committed data rates. FlexMove offers a range of data plans and consistent, enterprise-grade internet access. And with data speeds up to 10x faster than narrowband on-the-move satellite solutions at a fraction of the cost, FlexMove can meet your connectivity needs, no matter how they evolve.



FlexMove Solution Spotlight

Go further than ever before with Intelsat's FlexMove portfolio of multi-orbit, enterprise-grade network solutions.



The beam coverage is representative. Coverage as of March 2025.

FlexMove offers a range of highly compact, easy to deploy terminals to meet the performance and portability requirements for comms-on-the-pause and comms-on-the-move.



The FlexMove solution offers the flexibility needed to address unique and evolving usage requirements:

Data packages designed to ensure a high-quality user experience.

- Data speeds up to 10/3Mbps for COTP and 5/2Mbps for COTM. Designed to ensure a high-quality user experience.

Service plan choice – no need to opt for rigid, use-it-or-lose-it service agreements.

- Service plans are offered in a variety of GB packages. Data plans range from 1 to 1,000 GB per term.

An advanced high-throughput satellite (HTS) connectivity solution, FlexMove dynamically manages layers of multi-orbit, multi-beam capacity to deliver powerful communications everywhere.

As part of Intelsat's FlexMove portfolio of services, and through our partnership with Eutelsat OneWeb, Intelsat offers FlexMove LEO as a complementary service for mission-critical applications requiring the ultra-high speed and ultra-low latency of a Low Earth Orbit (LEO) network. By adding FlexMove LEO coverage on top of the global, ultra-reliable, high-throughput coverage of Intelsat's FlexMove GEO networks, emergency responders gain the added benefit of a LEO service supporting data-intensive applications.

Offered Exclusively Through Our Solutions Partners

Offered through our carefully selected solutions partners, Intelsat offers a suite of advanced connectivity solutions for land mobility communications. Contact your service provider today and ask about our FlexMove solutions to meet your unique business needs.

Powered by Intelsat's Enterprise-grade Network

As the foundational architects of satellite technology, designing global network solutions that fit specific user needs is in our DNA. Let's talk about your connectivity needs today: [intelsat.com/contact-us](https://www.intelsat.com/contact-us)

Intelsat FlexMove Difference



Built on a global space and ground network supported by 99.999% availability



Comprehensive, end-to-end security backed by SOC 3 accreditation



Scalable, adaptable solutions to meet unique and evolving connectivity needs



Supported by the highest grade of customer experience services



Easy to use and adopt, designed to simply integrate into infrastructure