

Bridging the Connectivity Gap to a Better World



Today, around 600 million people live in areas without access to mobile broadband coverage, most often the only means to connect to the internet. Mobile network operators, although eager to meet connectivity needs, face significant challenges in building out mobile network infrastructure in rural and hard-to-reach areas.

Unserved Communities Worldwide

600m

People without access to mobile broadband (often the only means of connecting to the internet).

Source: GSMA

346m

Youth, ages 15-25, who are not online.

Source: Unicef

87%

network connections are made via mobile broadband in developing countries.

Source: GSMA Report

Why Terrestrial Backhaul Alone Isn't Enough



Cost

Running fiber or microwave backhaul infrastructure over long distances (and challenging terrain) is cost-prohibitive.



ROI

Small population density and low ARPU in rural communities makes it difficult to recover investment.



Time

Building out terrestrial backhaul infrastructure over long distances can take months, a year, or even longer.

Achieve More with Mobile Backhaul via Satellite

6 Reasons to Include Satellite Backhaul in Network Planning Strategies



1. Cost-efficient Backhaul

Advanced satellite technologies means bandwidth can be cost-effectively distributed dynamically to hundreds—even thousands—of sites using smaller antennas.



2. Worldwide Coverage

Extend coverage to more users and things. Intelsat's fleet of geostationary satellites cover 99% of the world's populated areas.



3. Network Continuity

When network outages occur from damage to terrestrial backhaul, satellite backhaul can be used to keep users connected everywhere they live, work, and play.



4. Faster Deployment

Building out mobile coverage into rural and hard-to-reach areas using terrestrial backhaul takes time. Why wait? Quickly connect rural sites with satellite backhaul.



5. Fiber-like Connectivity

Advancements in satellite hub and modem technologies utilize forward error correction, TCP acceleration, and caching to support the best user experience possible.



6. Professional Services

A full suite of professional services meet the unique planning and implementation needs of every customer.

Welcome to a new world of greater connected possibilities with satellite-powered mobile backhaul.

The Benefits of Mobile Broadband Are Real

When mobile broadband becomes accessible in places where there wasn't coverage before, entire communities experience social and economic progress. Men, women, and children become connected to one another and the world around them in new, productive ways.

Quality of Life Improvements

- Health
- Education
- Personal Freedom

Progress & UN Sustainable Development Goals

- Peace
- Justice
- Strong Institutions

Productivity and GDP Growth

- Trade
- Communication
- Information Access

10% An increase in mobile broadband penetration of 10% globally yields a 1.5% increase in GDP.

Experience Reliable, Always-on Coverage with Intelsat

For over 50 years, Intelsat has used its advanced, high-throughput satellite fleet to support broadband services in multiple industries, providing the expertise, quality, and cost-effective solutions organizations need to make their network services a success.

Achieve More By Connecting More

Get started today gaining more market penetration by including high-performing, cost-efficient satellite backhaul as part of your mobile network planning strategy.



Connect More Users in Hard-to-Reach Places



Cover More Remote Areas



Achieve More Business Goals

Are You Ready to Connect the Rest of the World?

Expand the reach of mobile broadband coverage efficiently and cost effectively. Learn more about the advantages of satellite backhaul today.

[Intelsat.com/connect-more](https://www.intelsat.com/connect-more)