

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, gaes 15-25.

who are not online

Source: Unicef

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.



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



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



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

(((o̞))) 1. Cost-efficient Backhaul



Extend coverage to more

2. Worldwide Coverage

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-toreach 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

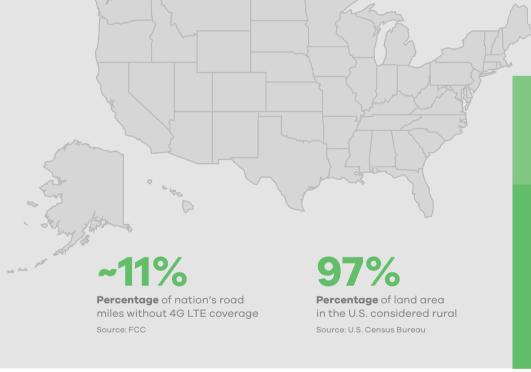
A full suite of professional services meet the unique planning and implementation needs of every customer.

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

SPOTLIGHT

The Benefits of Mobile Broadband in the United States While most Americans can readily access 4G LTE mobile broadband, many rural

communities and popular recreation areas have little or no mobile broadband coverage.



Whether traveling through or living in these rural areas, a lack of widespread



Challenges

Spotty service puts lives at risk A lack of broadband coverage limits the availability of professional health care and

Facing Rural American Mobile Users



emergency response services.

who want to stay connected.

Dead zones hurt rural economies Gaps in mobile broadband coverage hamper local business operations and deter tourists





Solutions

Satellite Backhaul Provides

services when needed.

economy thriving.

tablet, or mobile hotspot.

Connectivity to critical services

medical professionals and emergency

Connects visitors and residents to

Connectivity for business and pleasure

Keeps visitors connected and the tourism



Remote workers can't connect

Limited mobile broadband coverage means remote workers can't connect to co-workers or corporate offices easily.



services in multiple industries, providing the expertise, quality, and cost-effective solutions organizations



Connectivity for remote workers Gives remote workers access to co-workers and corporate networks via smartphone,

For over 50 years, Intelsat has used its advanced, high-throughput satellite fleet to support broadband

need to make their network services a success.

Experience Reliable, Always-on Coverage With Intelsat

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.

Cover More Remote Areas



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Reach Places

Connect More



Business Goals

Are You Ready to Connect

the Rest of the World? Expand the reach of mobile broadband coverage efficiently

satellite backhaul today intelsat.com/connect-more.



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