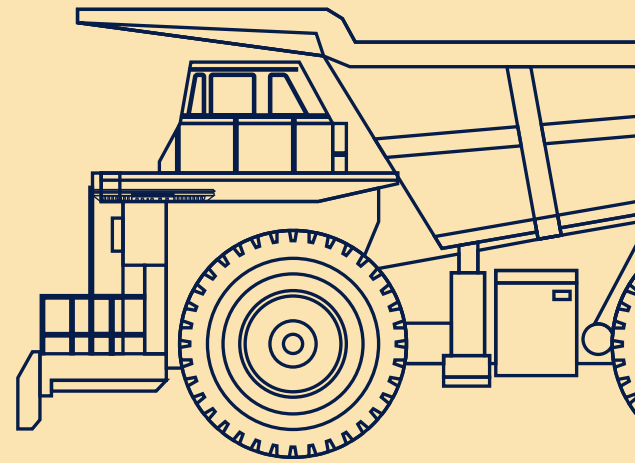# Connectivity for Mining Operations on the Move

Keeping Heavy Equipment and Crews Connected Anywhere

Mining fleet management requires uninterrupted connectivity in any location, no matter how remote.

The Biggest Challenges

Intelsat and Harbor Research* surveyed experts—from logistics coordinators to field operators—to better understand mining operators' challenges, along with their motivations for adopting new technologies.

1 Integrating new technologies

2 Network connectivity and bandwidth

3 Compliance and worker safety

4 Security of sites and assets

5 Asset monitoring and downtime

* Harbor Research Institute, Land Mobile Market Research and Sizing, 2019.

What Technologies Are Mining Operators Investing In?

346 experts were asked what technologies they're investing in, and what types of applications these technologies are used for.

Top 5 Applications

1. Situational awareness
2. Operational visibility and tracking
3. Fleet and asset management and reliability
4. Equipment and asset location tracking
5. Continuity and employee wellness

Out of 346 experts

Cloud computing — 181

Big data analytics — 136

High-performance networks — 163

Video surveillance — 123

IoT and device connectivity — 120

Top Applications Requiring Connectivity

50%
Environment condition monitoring

44%
Operational visibility and tracking

44%
Fleet asset management and training

39%
Autonomous vehicle and remote control

Top Motivators of Satellite Adoption

60%
Support for remote operations

60%
Ease of network setup and management

45%
Network redundancy and reliability

45%
Ability to meet bandwidth requirements

Agencies Require Flexible Service Offerings

50-55%
Prefer both subscription-based model and wholesale or per-data usage model

95%
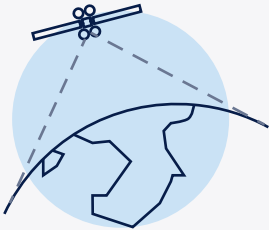Will pay premium for continuous global connectivity

Mobile Communications Require Reliable Connectivity Everywhere

Intelsat FlexMove, an award-winning, high-throughput satellite solution, supports mobile applications to help mining companies enable more intelligent, productive, safe, and sustainable operations—no matter the location.

Support for remote operations

Built on Intelsat's global high-throughput satellite network, FlexMove supports operations when and where you need high-performance connectivity—no matter how remote.
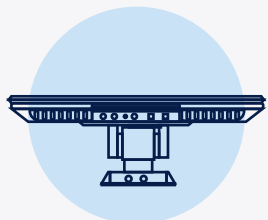
Ability to meet bandwidth requirements

FlexMove delivers reliable, high-throughput performance with 99.99% availability and speeds 20x faster than legacy Mobile Satellite Services.

Network security

Intelsat's Information Security program focuses on prevention and restoration enhancing resilience, and mission assurance in its satellite, ground, and network infrastructure.

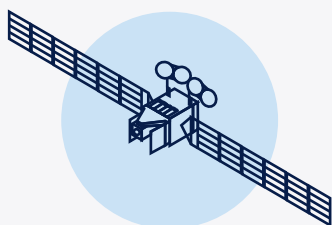# Mobile Communications Require Reliable Connectivity Everywhere

Ease of network setup and management

FlexMove includes qualified comms-on-the-move (COTM) and comms-on-the-pause (COTP) terminals that are simple to install, activate, and remotely manage with a full suite of support services and applications.

Variety of Voice and Data Connections

FlexMove provides connectivity to support even your most critical voice and data communications needs, including operational visibility, situational awareness, monitoring, and other applications.

Cost of hardware and bandwidth and flexible service options

Cost-efficient terminals and plans sold by the gigabyte with flexible service and hardware bundle options translates to a lower cost of ownership.

Deploy in Remote and Hard-to-reach Places

Intelsat operates the largest unified, multi-orbit space and ground network in the world—delivering reach beyond terrestrial alternatives. And with global coverage thanks to FlexMove, operators can ensure projects are executed seamlessly, from coordinating comms on mobile equipment, vehicles, and applications, to connecting temporary sites and field workers.
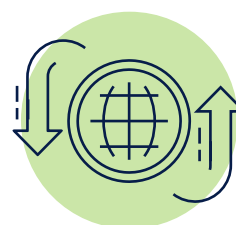
5 min
setup time

Set up portable terminals in minutes for mobile applications, and enjoy flexible pricing.

99.999%
availability

Get complete, end-to-end managed service with 99.999% network availability and 24/7 support.

20x
faster

Data rates are up to 20x higher than legacy MSS solutions at a fraction of the cost.

INTELSAT

Get the flexibility, reliability, and speed you need to move operations forward with FlexMove.

Let's talk ➜ intelsat.com/land-mobility