

Why Satellite Connectivity Enhances IoT for Critical Industries

Satellite connectivity is growing as a reliable source of communications across the globe to help ensure reliable IoT performance where terrestrial networks fall short, particularly in remote areas, mobile asset tracking, and mission-critical applications.

Delivering Reliability in Key Verticals



Government and Public Safety

Monitoring

Real-time situational awareness for disaster zones and large events

Asset tracking

Secure location data for vehicles, personnel, and mission-critical gear

Continuity

Communications and IoT uptime even during network outages or infrastructure failures

Transportation

Fleet tracking

Continuous location and performance data for trucks, trains, vessels, and aircraft

Cargo monitoring

Environmental and security sensors for goods in transit

Route optimization

Data from anywhere, supporting dynamic rerouting and scheduling



Energy

Infrastructure monitoring

Remote inspection of pipelines, offshore platforms, and wind farms

Maintenance alerts

Proactive servicing based on IoT-driven condition monitoring

Environmental compliance

Automated reporting for emissions and safety regulations

Construction

Equipment tracking

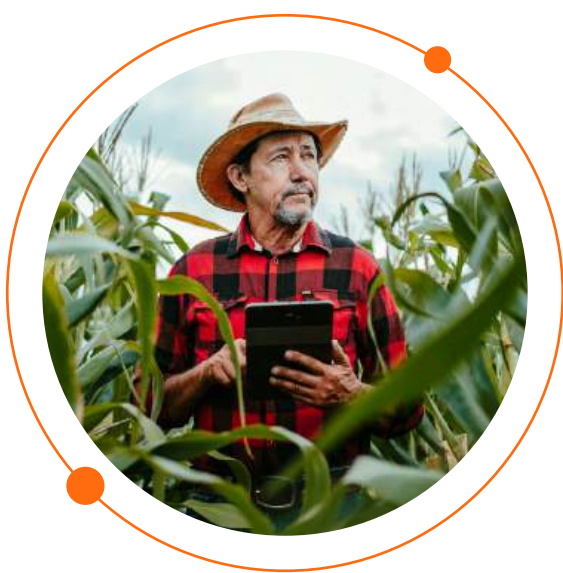
Keep tabs on high-value machinery across changing job sites

Site monitoring

Sensors for security and environmental conditions

Resource management

Optimize material delivery and usage through real-time visibility



Agriculture

Precision farming

IoT sensors for soil moisture, crop health, and weather data

Livestock tracking

GPS collars and health monitors for herds over wide areas

Animal Biosecurity

Disease prevention, early detection, quarantine, verified data of individual animal interactions and treatment

Irrigation control

Remote pump and valve control for water efficiency and water pump status

Top Benefits of Satellite-Enabled IoT

- ✓ Coverage without gaps
- ✓ Reliability in any condition
- ✓ Low latency for time-critical data
- ✓ Security and data integrity
- ✓ Seamless integration with IoT platforms
- ✓ Mobility for assets on the move
- ✓ Resilience during outages

Want to learn more?

Satellite-enabled IoT provides the reliability, coverage, and security to connect critical operations anywhere, all the time. Learn how Globalstar keeps your IoT online no matter the location.

[Reach out to our team of experts.](#)

