



CASE STUDY

Satellite-Enabled Operational Visibility for Defense and Security Operations

How TRAKSAT and Globalstar Deliver Connected Field Intelligence Beyond Traditional Infrastructure

Background

Defense, government and security organizations operate in increasingly complex environments where maintaining visibility across personnel, vehicles and mission-critical assets is essential. However, many operations take place in remote or infrastructure-limited areas where traditional communications networks may not provide the consistent connectivity required for effective coordination.

To address these challenges, TRAKSAT and Globalstar deliver an integrated satellite-enabled operational visibility solution combining reliable field connectivity with advanced command and control capabilities.

Through the integration of Globalstar satellite devices with the TRAKSAT operational management platform, organizations can maintain visibility into distributed assets, streamline alert workflows and support field-to-command coordination across challenging environments.

Together, Globalstar's satellite connectivity and TRAKSAT's intelligent software platform transform remote location data into actionable operational insight.



Challenge

For organizations managing personnel and assets in the field, visibility gaps can create significant operational challenges.

Teams may operate across remote locations, temporary deployments or environments where terrestrial networks are limited, unavailable or disrupted. At the same time, command teams require timely access to information that supports coordination, accountability and operational decision-making.

Common challenges include:

- Maintaining awareness of personnel and asset locations
- Managing alerts across distributed field teams
- Integrating location intelligence into existing operational workflows
- Reducing manual reporting processes
- Coordinating response activities across large geographic areas

Solving these challenges requires more than connectivity alone. Organizations need an integrated approach that combines reliable communications infrastructure with a platform capable of turning field data into actionable intelligence.



Solution

TRAKSAT and Globalstar provide a combined solution designed to extend operational awareness beyond traditional network boundaries.

Globalstar satellite devices provide the field connectivity layer, enabling personnel, vehicles and assets to transmit location and status information from remote environments without dependence on local terrestrial infrastructure.

TRAKSAT's platform transforms that satellite-enabled data into operational intelligence through centralized monitoring, visualization and workflow management capabilities.

The integrated solution supports:

- Real-time personnel and asset visibility
- Geofence creation and monitoring
- Automated alert management and escalation workflows
- Multi-layer operational mapping
- ATAK integration
- API interoperability with existing systems
- Reporting and operational analysis

By combining satellite connectivity with an advanced operational platform, organizations gain a more complete view of field activity and the tools needed to manage distributed operations effectively.

APIs and ATAK integration supporting existing operational ecosystems.



Results

The TRAKSAT and Globalstar integrated solution helps organizations improve how they monitor, manage and coordinate distributed operations.

By connecting field assets through satellite technology and bringing that information into a centralized operational platform, organizations can reduce visibility gaps and improve decision-making.

The solution supports:

- ✔ Improved personnel and asset accountability
- ✔ Faster alert identification and escalation
- ✔ More efficient field coordination
- ✔ Streamlined reporting and review processes
- ✔ Greater visibility across remote operating environments

For organizations operating beyond traditional infrastructure, integrated satellite connectivity and operational intelligence help create a stronger connection between field activity and command decision-making.



Why TRAKSAT + Globalstar

Mission-critical operations require both reliable connectivity and actionable information.

Globalstar provides satellite-enabled communications designed to support remote operations where traditional infrastructure may not reach. With compact, field-ready devices and a proven satellite network, Globalstar helps maintain the connection between personnel, assets and operational systems.

TRAKST extends this capability by providing the software environment where field data becomes actionable. The platform enables teams to visualize operations, automate workflows, manage alerts and integrate location intelligence into existing command environments.

Together, the solution provides:

- 1 Reliable field connectivity**
Satellite-enabled communication for personnel and assets operating beyond traditional networks.
- 2 Operational visibility**
Centralized monitoring and mapping tools designed to improve situational awareness.
- 3 Workflow intelligence**
Geofencing, alerts and escalation processes that help teams respond more efficiently.
- 4 Flexible integration**

Building the Future of Connected Field Operations

As defense, government and security operations continue evolving, organizations require solutions that combine resilient connectivity with intelligent operational tools.

Through the partnership between TRAKSAT and Globalstar, teams can extend visibility, improve coordination and support more effective management of personnel and assets wherever operations take place.

To learn more about TRAKSAT and Globalstar solutions, contact our teams or visit:

globalstar.com | traksat.eu

