

Reliable Satellite Tracking for Offshore Cargo Carrying Units

Enhance Compliance and Operational Efficiency with Seamless GPS Visibility

In offshore oil and gas operations, compliance, asset visibility, and uptime are critical. Ensuring your Cargo Carrying Units (CCUs) are located, inspected, and deployed efficiently can significantly impact safety, cost, and logistics planning. Satellite-enabled GPS tracking provides the consistent, global visibility required to stay ahead, no matter how remote the environment.

Delivering Actionable Data

Our satellite-enabled GPS devices deliver the important data used for advanced CCU tracking and reporting capabilities through their digital platform. The solution includes:



Automated Compliance Reporting

Devices enable the generation of inspection expiration reports (e.g., every 45 days), helping inspection coordinators proactively plan onshore inspection schedules with clients.



Daily Location and Geofence Dwell Insights

Know where your CCUs are, how long they've been at a given location, and how long they've been on hire — crucial for auditing and billing.



Outbound/Inbound Tracking

Supports full-cycle asset visibility across transport, storage, and return.



Intrinsic Safety

ATEX-Certified-Devices that can be safely deployed to withstand harsh and hazardous environments.

Key Benefits

- ✓ **Ensure Inspection Compliance:** Eliminate the scramble to locate CCUs before inspections.
- ✓ **Reduce Costs from Idle Assets:** Identify underutilized CCUs and redeploy as needed.
- ✓ **Accelerate Time to Value:** Rapid deployment, integration, and reporting mean your team is up and running fast.
- ✓ **Unmatched Coverage and Reliability:** Globalstar's satellite network ensures you're never out of reach, no matter where operations take you.

Real-World Impact

One offshore equipment logistics company leverages our devices and connectivity to power daily GPS location reports, geofence dwell analytics, and automated compliance workflows. Their clients benefit from streamlined inspection planning, accurate hire period tracking, and reduced costs from idle or misplaced assets.

Devices Used

SmartOne Solar: Maintenance-free, solar-powered, intrinsically safe satellite asset tracker.

Realm Edge Solutions

Devices and Modules



Integrity 150

Integrity 150 is a next-generation, solar-powered data transmitter and asset tracker that interfaces with industry-standard sensors over Bluetooth® and delivers Smart Data from the edge. Users can quickly program AI-enabled applications and computing solutions using the Edge Application Platform to process location and sensor data at the edge for low-cost Smart Data transmission. In addition, it delivers zero-maintenance ownership with the longest-lasting battery (10+ years) and shelf life available.



ST150M Modem Module and Developer Kit

The ST150M satellite modem module can be quickly and effectively integrated into technology to develop unlimited applications for a range of markets. Like the Integrity 150, the modem leverages industry leading BLE5, Nordic C, and comprehensive unified APIs, empowering rapid development and customization of firmware for more advanced smart data applications and enabling AI at the edge. In addition, the ST150M provides both wired and BLE access to the fully programmable 24 I/Os for interface with sensors and actuators.



RM200M Two-Way Modem Module and Developer Kit

This Globalstar satellite module employs a single-stack chip design to provide seamless connectivity with advanced capabilities to not only track and monitor data with reliable two-way connectivity, but action an auto-response if corrective countermeasures are required. The RM200M utilizes enhanced two-way functionality on Globalstar's LEO satellite network to provide ubiquitous, seamless coverage with low power, low latency, integrated GPS, Bluetooth® low energy, a 3D accelerometer and application processor. The RM200M Dev Kit includes RM200M module on a dev board with separate satellite and GPS patch antennas, all compatible with an Arduino Shield, to develop and test technology designs before committing them to hardware.

Asset Tracking Solutions

Low power, long life and equipped to perform



SmartOne Solar

SmartOne Solar is the only solar-powered asset certified and standardized for use in hazardous environments. It's virtually maintenance-free, with up to 10 years of usable service for tracking and monitoring. It's easy to install and features a wide range of reporting capabilities.



SmartOne C

SmartOne C is the market's most affordable and feature-rich tracker for locating fixed and mobile assets and transmitting sensor data. Line or battery-powered, it is a small, easy-to-mount unit that is ideal for sending GPS coordinates at long intervals and configurable for various frequency rates.



SPOT Trace

SPOT Trace is a small, discrete tracker that tracks mobile assets by providing location pings as often as every 2.5 minutes for display on a customizable user dashboard. This easy-to-use turnkey device offers simplified tracking at the lowest cost.



STX3 Modem Module and Developer Kit

Affordable pricing, low power consumption and its compact build make the STX3 satellite transmitter a highly efficient device ready for integration in a wide variety of applications. The smallest surface mountable satellite modem from Globalstar, ideal for remote sensing, tracking and monitoring applications. Increased reliability through multiple transmissions at a lower cost. This OEM satellite transmitter sends one-way data messages via the Globalstar Satellite Network when integrated into a tracking or monitoring device.



Digital Mapping

Digital mapping that turns GPS location and data from the field into actionable visual intelligence. It provides high visibility of all in-field resources, geofencing that can trigger alerts to atypical changes, and advanced reporting capabilities.

Remote and Lone Worker Safety Solutions



SPOT X

SPOT X Two-Way GPS Messengers connect to your smart phone via Bluetooth® wireless technology through the SPOT X app to access your contacts and communicate easily with colleagues. Users can check-in with managers, colleagues and family, or communicate directly with 24/7 search and rescue services in the event of an emergency.



SPOT Gen4

Small, rugged, and easy to use, the SPOT Gen4 provides a simple turn-key communication option for remote and lone workers. Inexpensive and reliable, the Gen4 allows users the ability to report locations using pre-set messaging for check-in and have access to an SOS button to signal the need for emergency assistance.

The Simple Choice for Satellite Connectivity

Globalstar empowers its customers to connect, transmit, and communicate smarter – easily, quickly, securely, and affordably – offering reliable satellite and terrestrial connectivity services as an international telecom infrastructure provider. The Company's low Earth orbit (LEO) satellite constellation ensures secure data transmission for connecting and protecting assets, transmitting critical operational data, and saving lives for consumers, businesses, and government agencies across the globe. Globalstar's terrestrial spectrum, Band 53, and its 5G variant, n53, offer carriers, cable companies, and system integrators a versatile, fully licensed channel for private networks with a growing ecosystem to improve customer wireless connectivity, while Globalstar's XCOM RAN product offers significant capacity gains in dense wireless deployments. In addition to SPOT GPS messengers, Globalstar offers next-generation IoT hardware and software products for efficiently tracking and monitoring assets, processing smart data at the edge, and managing analytics with cloud-based telematics solutions to drive safety, productivity, and profitability.

For more information, visit www.globalstar.com.