



# PEREGRINE MLS

## *Condition-Based Shipment Monitoring*

### Intelligent tracking solution for high-value equipment

#### The Customer

Peregrine MLS is a UK-based engineering company serving high-value sectors like motorsport, defence, and aerospace. They supply ultra-rugged Flight Cases and sought to equip them with advanced trackers to create Smart Cases with real-time monitoring.

#### The Challenge

- Protecting **high-value** equipment throughout transit
- Maintaining **global visibility** across supply chains
- Identifying **drops, tilts, and mishandling**
- Monitoring **temperature, pressure** and **humidity** extremes
- Managing **long transit** and **storage** periods

#### The Solution

**Global GPS Tracker:** Long-lasting battery to cover entire shipment transit.

**Impact Detection:** Captures drops, shocks, tilts, and orientation for insurance purposes.

**Environmental Monitoring:** Alerts for temperature, pressure and humidity extremes to protect sensitive equipment.

**Data Logging:** Stores location and sensor data even in low-coverage areas or while in transit.

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### Core Product Used

#### Lightbug Enviro

- ✓ Indoor & outdoor tracking
- ✓ Extended battery capacity
- ✓ Worldwide coverage in 170 countries
- ✓ Advanced accelerometer features
- ✓ Environmental sensing
- ✓ API integration for internal and client platforms



### The Results

**Full Supply-Chain Visibility:** Real-time tracking of shipments in transit.

**Mishandling Insights:** Data to identify drops and support claims.

**Proactive Damage Prevention:** Early detection of mishandled items to avoid delayed surprises.

See the solution in action → <https://www.peregrine-mls.com/smart-flight-cases>

**Need real-time tracking for high-value shipments? Talk to us.**