The CelloTrack Nano solution provides precisely the information you need to manage your cargo and mobile assets more effectively.

**Visibility**
Enables real-time monitoring of the location and condition of cargo, assets and lone workers, including specific alerts related to issues and delays. Based on a smart portable hub with integrated sensing capabilities and a Wireless Sensor Network (WSN) of MultiSense Devices.

**Efficiency**
Ensuring continuous recording, event-triggered logic and ‘management by exceptions’ through flexible programming of business rules, to eliminate supply chain mistakes, avoid delays or damages, and reduce risk.

**Security**
Prevents theft, loss or misplacements by using proximity, tampering and location sensing throughout the entire supply chain.
Knowledge is Power
CelloTrack Nano gives you that Power in Real-Time!

The CelloTrack Nano solution offers advanced sensor capabilities:
- CelloTrack Nano hub: temperature, barometric pressure, audio, tampering, impact, geo fencing, movement, light, man down.
- MultiSense: temperature, humidity (MultiSense TH), door status, impact/free fall, movement, light. SiRFstarV™ engine supporting Hybrid GNSS.

Communicates with backend server via cellular communication (2G, 3G networks) for remote monitoring (OTA), configuration and firmware upgrades.

Compliant with cold chain standards and regulations including pharmaceuticals (GDP), perishables transportation standards (EN12830).

A scalable solution, utilising a wide range of cost-effective peripheral sensors resulting in reduced TCO (total cost of ownership).
Use Cases

The CelloTrack Nano is the essence of IoT - where sensors, location and communication technologies meet.

The versatility and modularity of the CelloTrack Nano solution enable you to meet almost any of your monitoring needs, such as:

**Cold Chain**
Monitor in real-time the temperature and humidity of controlled containers, trailers, pallets or boxes with pharmaceutical or perishable goods. The CelloTrack Nano enables on-the-go responses when deviations from the pre-defined temperature boundaries occur, and guarantees compliance with the strictest cold chain regulations (EN 12830).

**Logistics & Security**
Verify that the required shipment conditions of high-value goods (such as art or consumer electronics) from manufacturer sites or distribution centers are kept according to the pre-defined specifications.

The CelloTrack Nano provides real-time alerts in case the goods are mishandled such as if they are dropped or opened unexpectedly.

Continuous recordings and event-triggered logic performed by the CelloTrack Nano helps improve efficiency by reducing supply chain mistakes, avoiding delays or damages. When an airborne shipment is part of the route, all data is logged by the CelloTrack Nano and is transmitted upon landing.

**Rental Equipment**
Efficient monitoring of rented assets such as storage containers, construction machines, generators, trailers, mobile offices, and chemical toilets.

The CelloTrack Nano enables stakeholders to monitor the profile of their assets’ usage during the rental period, including location, damage, displacement, operation hours (by movement/vibrations), door status and other inventory management aspects.

**Lone Worker**
The CelloTrack Nano enables the monitoring of workers locations, health statuses and general activity (such as check-in / check out, and movement).

The intuitive device indicates distress by activating a panic button, or relying on the 3D accelerometer, which automatically indicates modes such as man-down (prolonged inactivity).
Automatic Airplane Mode

During air transit the automatic airplane mode is enabled and the CelloTrack Nano unit, based on the analysis of its internal multiple sensors, identifies that the flight has commenced and automatically shuts down RF transmissions after take-off and during flight. The CelloTrack Nano logs all events internally and transmits those events upon landing.

Normal transmission mode is automatically renewed as soon as the airplane is completely still. At this point, all the logged events are transmitted to the back-end.

This unique feature complies with FAA guidelines and enables customers to cover end-to-end airborne shipment scenarios, including shipment by land-air-land.