NANO Track Solution

IoT Solution Based on a Smart Hub and Wireless Sensor Network

Multi-Sensor for Real-Time Monitoring & Event Triggering

- Enables real-time awareness of variety of "things" using the MultiSense as a short range of Wireless Sensor Network (WSN).
- Providing on-the-fly alert notifications enabling you to take proactive actions whenever required.
- **One** MultiSense device for **Many** different environment sensing capabilities
- Suitable for various IoT applications:
    - *Connected home*
    - *Cargo condition*
    - *Activity of Daily Living using home elements*
    - *Chilled products in refrigerators*
    - *Lone worker in the field*
    - High ROI (competitive pricing)
- BLE based – the common protocol used in the IoT industry
- Stylish design with small foot print
- Long-life, easy to replace coin battery

Nano Sensing
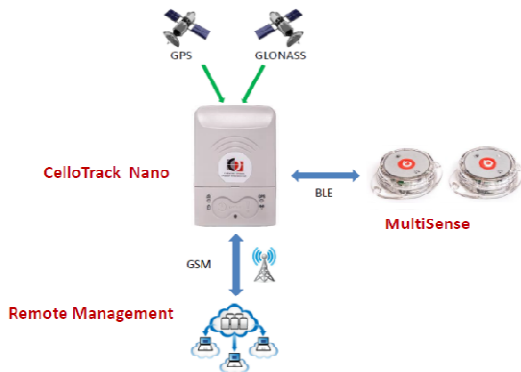
The Advanced Tracking with BLE Multi Sensing

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

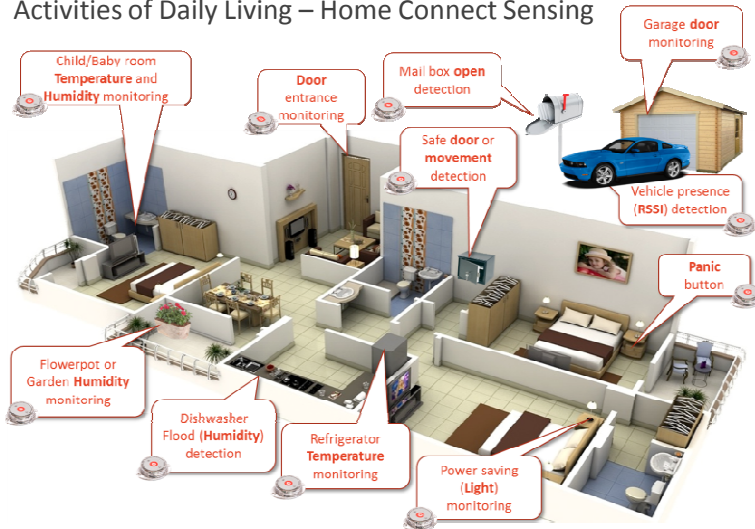On-the-fly responses when deviations from the required temperature boundaries occur

A scalable solution, utilizing a wide range of cost-effective peripheral sensors resulting in reduced total cost of ownership.

ISO 16750

Solution Overview

GPS   GLONASS

CelloTrack Nano

BLE

MultiSense

GSM

Remote Management

The CelloTrack Nano is based on a **Multi -GNSS** (GPS and GLONASS Hybrid positioning) engine for accurate positioning.

The Nano communicates with **up to 16 paired** MultiSense devices via Short Range Low Energy Wireless Communication technology

A long life rechargeable Li-ion battery; **Up to 5 weeks of transport chain usage - @ 1Tx/Day and 4 Locations/Day** (every 6 hours)).

Dual Tampering Detection Features: from cradle and from mounting surface

Benefits

- ✓ Preventing risks & exposure to losses
- ✓ Immediately reporting in cases of malfunction
- ✓ Upgrading cargo security
- ✓ Real-time event trigger, monitoring, collecting data and reporting
- ✓ Reducing insurance policy fees
- ✓ Solution Scalability

Providing Real Time Visibility, Efficiency and Security

Activities of Daily Living – Home Connect Sensing

Child/Baby room **Temperature** and **Humidity** monitoring

Door entrance monitoring

Mail box **open** detection

Garage **door** monitoring

Safe **door** or **movement** detection

Vehicle presence (**RSSI**) detection

Panic button

Flowerpot or Garden **Humidity** monitoring

Dishwasher Flood (**Humidity**) detection

Refrigerator **Temperature** monitoring

Power saving (**Light**) monitoring

Sample Usage

Cold Chain
Connected Home
Goods loss
Pharmaceutical
SOS
Safety
Guard lone worker
ADL
Presence-Entry monitoring
Indoor Navigation
Child Keeper

End-to-End Shipment

Automatic Airplane Mode complies with FAA guidelines