



Outdoor Industrial Asset Tracking Over LoRa Battlecard

This solution offers excellent outdoor coverage between 5 to 20 km, powered by advanced satellite positioning; The solution is further complemented by BLE tracking in indoor zones.

Each tag device leverages multiple GNSS constellations (GPS/Galileo/Glonass/BeiDou) and Tracktio's embedded algorithms to improve standard accuracy and battery lifespan.

Tags send their position and status to LoRa-compatible station/s, TrackSphere Server™, which runs proprietary software for enhanced accuracy, turn this into analytic data and operational events.

WideArea Tracking™ tags respond to both GPS and BLE. Put BLE beacons in strategic locations like entrance, exit, staircase and muster point, so that they can detect the presence of tags within their range. Tags would respond to the nearest BLE beacon. The data is sent over LoRa network to TrackSphere Server™.

Solution benefits

- Enhanced GPS Accuracy
- 5-20 km Reach
- Super Long Battery Life
- Powerful Chip
- User-friendly Application
- Smartphone-ready
- Open API
- Sensors and Tag Options

How can Tech Data help?

Tech Data can offer the below services to support your SPMS opportunity:

- Business Outcome Planning Support.
- IoT Proof of Value Initiatives
- IoT Architecture Definition
- Customer App Development
- IoT Security and Integration
- IoT Hardware/Software Implementation.
- IoT Managed Services
- BI/Analytics Consultancy
- Data Integration Services

Conversation starters

- Q How do you currently locate high value site assets and production equipment?
- Q How often are high value mobile assets lost or stolen and never recovered.
- Q How do you keep track of distribution of mobile assets across sites today ?

Customer challenges

- Realtime visibility of remote assets or goods in transit
- Lack of ability to ensure optimised utilisation of remote field assets
- Loss of theft of remote assets or goods in transit.

Target audience

Utilities, Mining, Construction

Key words to listen for

- Unable to locate high value site assets
- Wanting to digitise facilities and Inventory
- Monitor mobile asset utilisation

Supporting vendors

- Tracktio