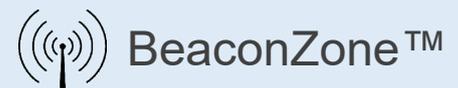# SensorLoRa™

Extending Beacon Tracking and Sensing with LoRa™ Long Range Wireless

((•)) BeaconZone™

What does it do?

Overcomes the limited 50m to 100m range of beacon sensors. Relays standard beacon advertising up to 15Km via LoRa™ so that it can be sent on to BeaconServer™, BeaconRTLS™ or any HTTP(s) server.

How is it unique?

It's the only solution that relays generic beacon sensor data via LoRa™.

Who is it for?

Uses in farming, smart buildings/cities, manufacturing, healthcare, retail, stadiums, logistics, smart metering, lone working, worker safety and security. Particularly suitable when WiFi/Ethernet networks are non-existent, not accessible or overloaded and hence Bluetooth gateways can't be used.

How does it work?

SensorLoRa™ detectors see standard beacon advertising and relays information to the SensorLoRa™ gateway. The gateway sends sensor data on a server via HTTP(S).

What can be detected?

Detect location, movement, temperature, humidity, air pressure, light and magnetism (hall effect), open/closed, proximity (close or human), falling, smoke, gas and water leak.

License Free

Unlike Narrowband Internet of Things (NB-IoT) it doesn't use cellular and hence has no license or subscription cost.

Suitability

As with all narrowband solutions, SensorLoRa™ is designed for cases where sensors communicate small amounts of data infrequently. It is not suitable for applications that require high data rates such as audio or video.

Benefits

- Provides long range sensing without custom soldering/electronics.
- Works across an area without site-wide WiFi or Ethernet.
- Works with any generic sensor beacons allowing you to choose beacons suitable for your particular situation.
- No sharing of a platform. We supply hardware for your sole use.
- Predictable cost. One-off solution cost rather than a variable subscription fee.
- Financially scalable. Running costs do not depend on the number things tracked or how often they report their position.
- You control your data. Your data doesn't go through, nor is held by, a third party.

Modes

LoRa has a number of different modes that provide compromises between reliability, data size, update frequency and range.

Each project has different needs and we advise and configure SensorLoRa™ appropriately.

Certification

SensorLoRa™ is a CE certified solution compliant with EU ETSI EN300.220 and UK IR 2030.

Learn More

Contact us via our help desk to set up a free initial chat to determine if a SensorLoRa™ based solution might benefit your organisation.

http://bzone.click/support

Specialists in Bluetooth® Beacon Solutions
www.beaconzone.co.uk

((•)) BeaconZone™