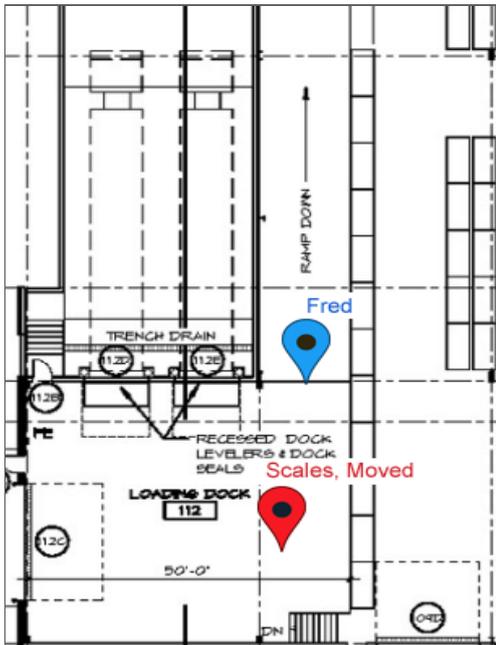
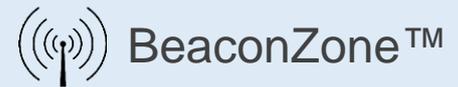


BeaconRTLS™

Real Time Locating System (RTLS) to locate assets and people



What does it do?

Locates and tracks stock, valuable equipment and people. Shows information on a map or floorplan. Allows efficient use of tracked assets via monitoring and alerting of conditions such as temperature, humidity, movement and collisions.

How is it unique?

Works with any generic, low cost, low power Bluetooth beacons. Much lower hardware cost and far wider area coverage than RFID and ultra wide band (UWB) systems. Collects sensor as well as location data. Stand-alone onsite system rather than subscription/SaaS.

Who is it for?

Any industry that needs to track assets, for example, logistics, manufacturing, healthcare and facilities. Storage of historical and sensor data also makes it suitable for IoT and generation of data for AI machine learning.

How does it work?

Beacons (small hardware a few cm in size) are attached to objects or worn by people. Fixed gateways (small hardware with antennae) receive signals from the beacons to determine their location and pass this information on, via WiFi or Ethernet, to BeaconRTLS™.

BeaconRTLS™ is a **zone based system** that plots people and assets to the nearest gateway zone.

While some other solutions attempt to achieve greater accuracy via trilateration, they suffer from three problems:

Firstly they require you to perform very time consuming manual calibration.

Secondly these systems need recalibrating should the physical environments (e.g. walls, shelving) change.

Thirdly they require far more data bandwidth, create more data and need more powerful servers and hence don't scale well especially for larger rollouts.

Benefits

- Provides peace of mind through monitoring of valuable assets or vulnerable people.
- Saves time searching for assets and/or people.
- Monitors and alerts 'out of band' conditions based on sensor data such as temperature, humidity, movement, light, proximity and battery level thus preventing costly incidents.
- Saves manual effort through automated gathering of historical information for auditing and regulatory compliance.
- Reduces loss by identifying items have just gone missing.
- Improves customer service by providing real time information.
- Provides data for identification of improvements in operational efficiency to reduce costs.
- Provides a new source of data that can be used as the input to other processes, systems or machine learning.
- No sharing of a public platform. We supply a RTLS system for your sole use.
- Predictable cost. One-off software license 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.
- No calibration. Unlike some other systems, BeaconRTLS™ doesn't require any time consuming manual calibration.
- Run on your server, in the cloud, on a hosted server or we can supply server hardware.

Not Software as a Service (SaaS)

Our competitors' solutions tend to be sold as Software as a Service (SaaS) subscription on a platform shared with other organisations.

Advantages of our stand-alone solution include:

- **Performance:** The speed of your RTLS will be not determined by how others use a shared system.
- **Data Security:** Your data will only be stored inside your organisation.
- **Pricing:** One off price rather than a future unknown subscription cost.
- **Assurance of RTLS lifespan:** SaaS systems may disappear if the company is forced to close, many of which are VC funded start-ups.

Key Features

Web User Interface

Provides screens to easily set up beacons, gateways, live view areas and alerts. These are configured in the web browser so you can administer and view the live view on any device that can connect to the BeaconRTLS™ server. Multiple live view areas can be set up to cover different floors or multiple buildings.

Alerts

Provides a comprehensive selection of alerts that display a dialog on the live view. Any alert may also be sent as an email. Create alerts based on asset type, geofencing (entering or leaving a zone or area), vibration, temperature, humidity, button press and battery level.

Secure

Supports user authentication and SSL.

Extendable via REST API

Stores historical data which can be accessed by other systems via HTTP REST. This REST interface can also be used to configure gateways, beacons and alerts from other systems. A Swagger interface is also provided to provide an additional human-accessible way of manipulating the data via REST.

To Learn More

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

Ask about a demo and trial.

<http://bzone.click/support>



Available as a Mini PC, self install or complete solution

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

 BeaconZone™