

eVantage BLE

Zonal tracking for BLE tagged assets



Know where your assets are without even lifting a finger! Using Codegate's eVantage BLE (Bluetooth Low Energy) solution your assets will automatically check themselves in to the system on a regular basis so you don't have to.

Track anything you can fix a tag to. Computers, printers and other IT equipment, first aid kits, safety equipment, lab instruments, hospital assets, plant and machinery, vehicles...

Low cost infrastructure. Place low cost receivers anywhere where there is a spare power socket. The more you use the better the coverage. Positioning does not need to be accurate; specialist site surveys are not required.

Zonal granularity. This is not a real time control system. It will simply report which eVantage BLE receiver each tracked asset is closest to. Each receiver will cover a typical area of 2,000 square metres (this will be affected by floors, walls, machinery etc).

Connectivity options. Codegate's Lime asset tracking software will automatically take in data from eVantage BLE receivers. If you don't need Lime, other connection options are available to connect to downstream systems, including FTP transfer, RESTful API or bespoke.

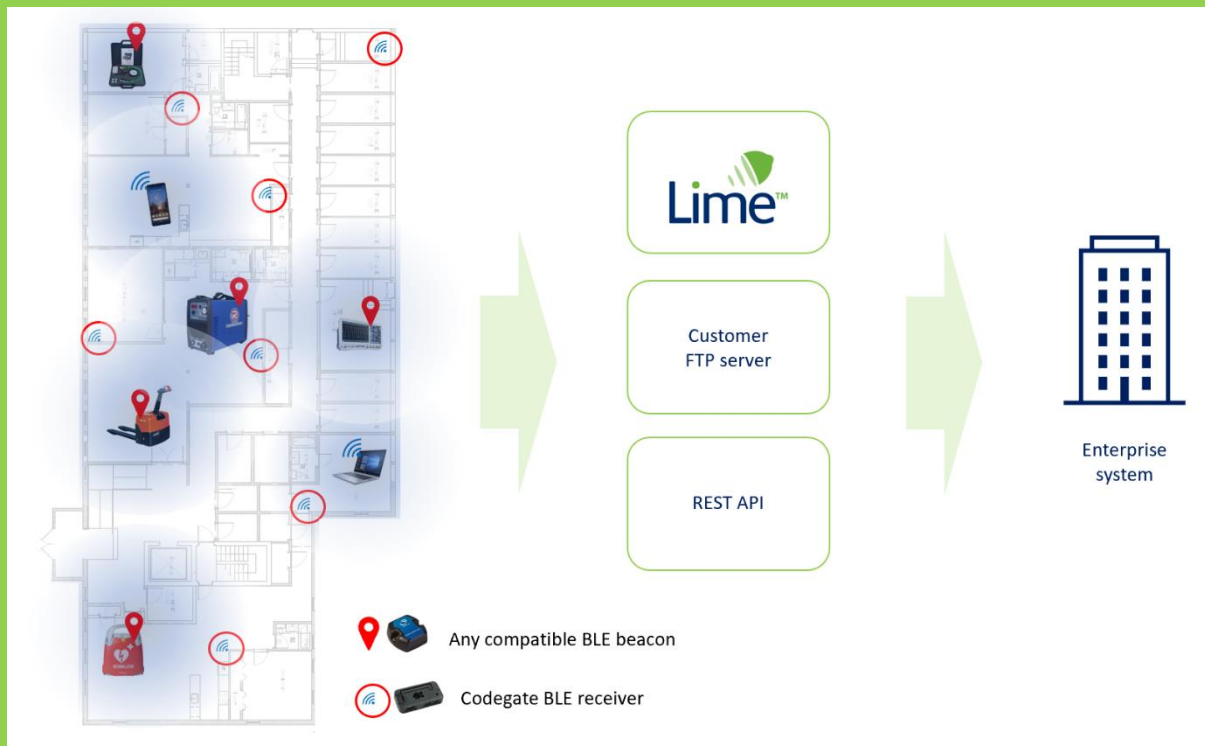
Use indoors or outside - eVantage BLE receivers can be placed anywhere where your assets are likely to be used or stored. Tags are available to cover the harshest environments.



Confidex Viking BLE tag applied to outdoor asset

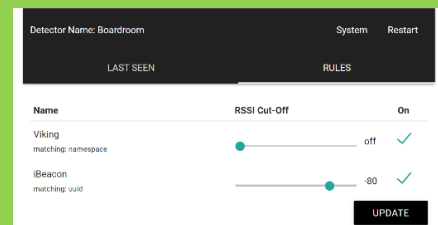
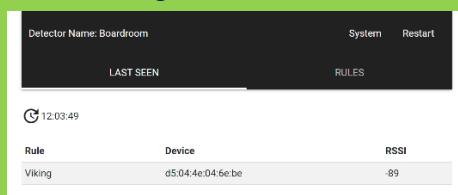
Easy to use right out of the box...

All you need are eVantage BLE receivers and BLE beacons (tags). A floorplan will help you with receiver placement.



Each eVantage BLE receiver has its own web page, which is user configurable. This allows you to control the signal strength so that stray reads from other floors or areas can be minimised.

User configurable web interface



- eVantage BLE receivers can communicate data to the remote host using either Wi-Fi or a physical Ethernet network cable.
- Power is supplied to eVantage BLE receiver via a USB socket. A mains adapter can be provided, or a cable to run from sockets with built-in USB power sockets. Power over Ethernet (PoE) option available where a wired network connection is preferred.
- Automatic date and time stamp applied to every last-seen asset.
- Smarter beacons are available with built-in sensors, eg temperature and acceleration. This data can be forwarded by eVantage BLE as part of the data 'payload'.
- Most BLE beacons currently contain a battery. The battery lifetime will depend upon the manufacturer, the set beacon rate, and whether not the beacon rate automatically adjusts according to movement. The battery lifetime can vary from a few months to ten plus years. Some beacons have field replaceable batteries and others do not. Codegate can help you choose the right ones for your requirement.
- Use Codegate supplied beacons to ensure optimum hardware interoperability.