

# Real-time BLE tracking for key medical assets



RFID Discovery has teamed up with technology innovator Apitrak to provide a simple-to-implement solution which enables hospitals to improve asset visibility and utilisation by tracking medical equipment and even patients or staff in real time. Requiring no or very little new infrastructure, this innovative tracking system provides a fast way to locate key medical devices such as ventilators during the current COVID-19 crisis and beyond.

With a choice of BLE (Bluetooth Low Energy) or Wi-Fi technology, we have the ideal solution whatever your situation.

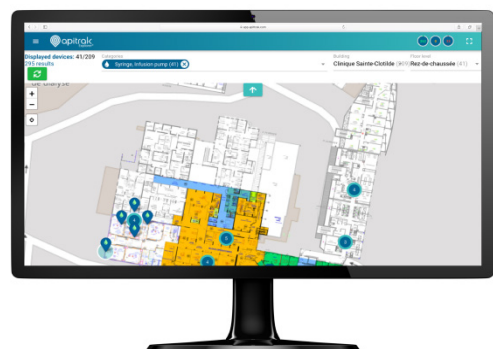
Real-time location visibility for medical devices helps improve utilisation levels, drives down capital costs and saves valuable time normally spent by clinical staff searching for equipment. In addition, the ability to identify individual devices makes incident reporting easy, and can help contain the spread of infection by tracing historic equipment locations.

Detecting the locations of patients and staff, can improve patient flow and streamline working processes.

The system can also detect movements between sites, and highlight incidents of unauthorised removal. It is also ideal for tracking hired or loaned equipment, used during periods of high demand.

## Key Benefits

- Real-time visibility of equipment locations
- Improved utilisation levels
- Scalable with little or no new infrastructure required
- Fast and easy to implement at low cost
- Pinpoint location accuracy with map view
- Can be integrated with passive RFID



# How does it work?

**Tags** Each item or person to be tracked is fitted with either a BLE or Wi-Fi tag. Tags are shock and waterproof, and can withstand standard hospital cleaning processes. Batteries are changed easily, and last between 1 and 5 years.

**Location data** Tagged assets or people are detected by strategically placed anchors for the BLE system, or existing Wi-Fi access points. Locations are calculated based on advanced algorithms to an accuracy of up to 3m depending on infrastructure density. Live location information is sent to the central RFID Discovery database, where it is accessible by staff via an intuitive user interface.

This means required items can be located quickly without the need for manual checking. Live visibility of medical device locations enables hospitals to monitor how many critical devices are available at any given time, and highlight shortages.

**Reporting and integration** Historic utilisation data collected by the system can be used for reporting to inform planning and strategic decisions, whilst integration with other hospital software improves overall efficiency.



## Complete Hospital Solutions

We specialise in providing integrated tracking solutions, enabling healthcare providers to access location and other key data through a single system.

Solutions include:

- GSI asset and location labelling
- Inventory management with passive RFID
- Automatic temperature monitoring
- Wandering patient tracking
- Baby tagging
- Staff safety

## Why choose RFID Discovery?

RFID Discovery is the recognised brand name for radio frequency identification solutions from Paragon ID, a global leader in identification solutions. Used in a growing number of hospitals across the UK for over 14 years, RFID Discovery is the number one choice for active and passive RFID systems.

Paragon ID is largest manufacturer of passive RFID labels in Europe and accredited to ISO 9001.

