

# GPS tracking of medical devices in the community



Many hospitals and other healthcare providers struggle to keep track of medical devices which are not only used in the hospital but also in patients' homes, in particular BodyGuard™ (formerly T34) syringe drivers for palliative care or wound pumps. NHS Trusts typically spend tens of thousands of pounds every year replacing devices which are lost or stolen when out in the community.

Using GPS and cell tower locating functions, RFID Discovery's new community tracking solution enables healthcare providers to accurately locate devices in hospital and in the community to ensure they can easily be retrieved when no longer in use.

## Key Benefits

- Real-time visibility of device locations in the community
- Reduced replacement costs for lost devices
- Improved availability of devices
- Less time spent locating devices = more time for patient care
- Fast and easy to implement

Real-time location visibility for medical devices in the community helps improve utilisation levels, reduce losses and drive down capital costs. It enables hospitals to locate and retrieve devices which have gone home with patients after they have been released from hospital.

Spending less time searching for devices, means that clinical staff can focus more on what truly matters – patient care.

Additionally, having better control and visibility of device locations, enables the clinical engineering team to find devices quickly so they can be serviced according to required standards to enhance patient safety and compliance protocols.



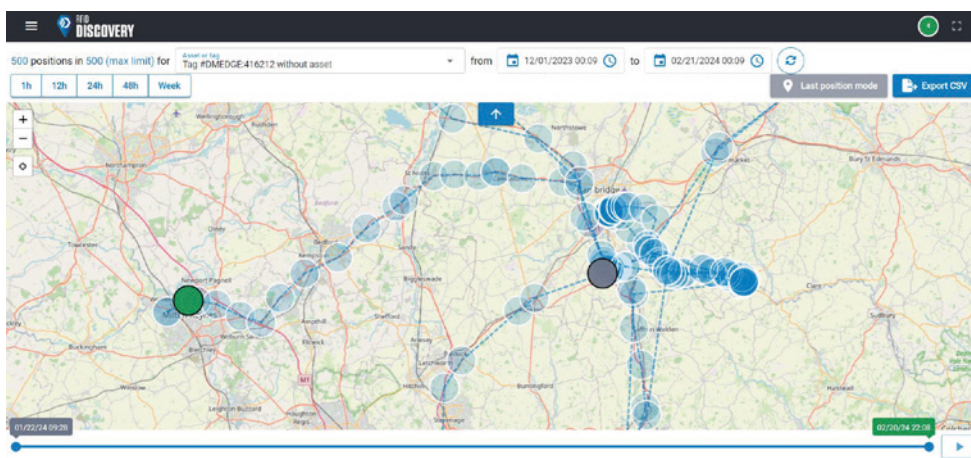
# How does it work?

**Tag** – Each BodyGuard™ syringe driver is fitted with a special GPS tag which includes a sim card for data transmission. Tags can also be used on other devices such as wound pumps. Tags are shock resistant and waterproof to IP68 standard with replaceable AAA batteries. Batteries can be changed easily, and last up to 10 years, thanks to power saving features such as sleep mode while the pump is not moving.

**Lockbox** – A custom case designed for durability and easy cleaning houses both the device and the tag to protect the controlled drugs within. The device battery can be changed easily without removing the lockbox, while matching cutouts for keypad and feeding line ensure smooth operation. For device maintenance, the lockbox can be removed using the existing BD-supplied locking barrel and keys.

**User interface and reporting** – Location information from the tags is sent via cellular network to a central RFID Discovery database. An intuitive user interface provides a searchable list view of all devices linking through to the mapping module for live location and movement history view. Geo-fencing settings can be added easily to trigger alerts via SMS, email or on a dashboard.

**Integrated tracking solutions** – This GPS based solution is integrated with our other tracking systems using passive RFID or active tracking technologies to locate medical devices in the hospital, track sterile services equipment, monitor temperature, protect staff safety or track patient flow. This means you can manage all location data conveniently in one place.



Example of movement history in RFID Discovery software



BodyGuard syringe driver with custom case

## Complete Tracking Solutions

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

Solutions include:

- Asset tracking and GSI asset labelling
- Patient flow & discharge management
- Inventory management
- Automatic temperature monitoring
- Staff and wandering patient safety
- Baby tagging

## Why choose RFID Discovery?

RFID Discovery is a leader in integrated identification and location tracking solutions. Used in over 200 hospitals across the UK, Europe and beyond for over 15 years, RFID Discovery is the number one choice for medical device tracking and other healthcare location solutions using RFID, BLE and other technologies.

We are part of the Paragon ID group, hold the Cyber Essential certification and our system is GSI UK approved. Paragon ID is a RAIN Alliance member and certified to ISO9001, ISO14001, ISO27001 and ISO45001 standards.

