

# Innovative solutions from the track & trace experts for healthcare

Increase efficiency, cut costs and improve patient safety with RFID and other tracking technologies

“ Using RFID technology has improved our care and provided a return on investment by saving us hundreds of thousands of pounds and thousands of hours of nurses' time ”

**Prof. Paul White**

Head of Clinical Engineering, Cambridge University Hospitals NHS Foundation Trust



# Our Solutions

## Asset Tracking

RFID Discovery is successfully being used by over 100 acute hospitals in the UK to track the locations of mobile assets such as infusion pumps, syringe drivers, scanners, monitors, wheelchairs, mattresses and beds.

Automatically tracking the location of medical assets is proven to increase utilisation and therefore reduce capital expenditure. It has a positive impact on patient safety as it reduces the time to locate devices, so engineers can focus on core tasks of repairing and servicing devices while nurses can spend more time on patient care.



## Sterile Services Tracking

Our sterile services tracking solution provides live data on the availability of endoscopes and surgical trays in storage and theatre areas to improve logistics, efficiency and patient safety with the option of GSI compliant tags.

Having visibility of the locations of surgical equipment helps improve utilisation levels to drive down capital costs, whilst ensuring there are always enough instruments available to cope with demand. Additionally, the ability to identify individual endoscopes and other items supports incident reporting.



## Staff Safety System

Our Staff Serenity solution was developed to safeguard clinical staff in hospitals and other healthcare environments in case of personal attacks.

Clinical staff are equipped with a location tracking badge with an alert button, which is pressed when a staff member feels threatened. The system then automatically alerts security and other staff, identifying the individual in trouble and pinpointing their location so help can be provided swiftly.

By improving staff safety, the solution helps limit the economic impact of poor working conditions such as absenteeism, reduced performance or staff leaving.



## Patient Flow & Discharge Management

Our cutting-edge patient flow solution enables hospitals to keep track of the movement of patients during their stay to streamline processes, increase efficiency and maximise available bed and treatment capacity.

Using either disposable passive RFID or re-usable BLE wristbands, the system supports discharge management, by automatically alerting the cleaning team when a patient is discharged and their bed can be processed ready for the next patient. It also provides real-time occupancy data to reduce the need for manual checks of available treatment spaces.



## Inventory Management

Our inventory management solutions help hospitals increase efficiency, cut costs and improve patient safety.

Using passive RFID to track consumables, our systems help provide accurate real-time stock level data. This minimises waste, ensures reliable replenishment and optimises stock holding to free up capital tied up in just-in-case stock.

Our smart cabinet solution protects access to valuable assets, while our RFID-enabled mobile resus and sepsis module carts ensure that the right medical supplies are always to hand in emergency situations.



## GPS tracking of medical devices in the community

Using specialist tracking tags with GPS and cell tower locating functions, our new community medical device tracking solution enables healthcare providers to accurately locate equipment not only in hospital but also in the community. This reduces time spent looking for devices and ensures they can be retrieved when no longer in use to avoid costly replacement purchases.

The solution has been specifically designed to locate BodyGuard™ (formerly T34) infusion pumps using a custom designed case to house both pump and tracking tag, but is also suitable for other devices used in patients' homes.



## Technologies used

As a systems integrator we use our expertise of different hardware and software technologies to create a solution that suits your requirements. Our software platform supports the use of different tracking technologies including

- Passive RFID (UHF, HF, NFC)
- Bluetooth Low Energy (BLE)
- GPS
- Active Wi-Fi based RFID
- Other active tracking technologies



## Flexible solutions

Our proven tracking solutions are totally flexible and range from simply supplying tags, labels or label printers to completely integrated track and trace systems.



We support you all the way from initial consultation and site survey through to implementation and on-going management to ensure maximum benefits are achieved and possible pitfalls avoided.

Our labelling and tagging solutions are designed for environments that require high standards of hygiene and cleanliness and are able to withstand regular cleaning with approved chemicals.

## 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 GS1 UK approved. Pargon ID is a RAIN Alliance member and certified to ISO9001, ISO14001, ISO27001 and ISO45001 standards.



“ RFiD Discovery has given us an unprecedented level of information and evidence surrounding our medical device management! ”

**Andy Barrow**  
Head of Electronics, Medical Engineering  
and Radiology Maintenance