



ASSET ID: 146M
LOCATION: EAST WING
OPERATING ROOM 3



Asset Tracking Solution

Save time and money with an effective asset tracking and workflow system

Your organisation may make use of a variety of mobile pieces of equipment numbering into the hundreds or even thousands. When a key asset goes missing, it can hold up work and waste valuable time as employees look for it. It may even prove necessary to hire equipment or replace it altogether simply because it cannot be found in time.

Another issue is that some equipment requires regular maintenance, inspection or cleaning; even if it's as simple as changing the batteries. Managing these processes with paperwork or spreadsheets is time and resource intensive, and involves significant potential for human error. The longer equipment remains unavailable, the longer it remains unproductive.

For a hospital, these issues can place strain on tight budgets and leave less time for staff to focus on patient care. For a factory, they could cause production deadlines to be missed.

Multitone's asset tracking and workflow system can solve these problems with a hi-tech RFID or Bluetooth-based system of tracking tags and strategically-placed sensors, which register an item's location as it passes into different parts of a facility. This is supported by workflow software and a smartphone workflow app.



How does it work?



Intelligent automated asset tracking

Attached to each item of equipment, whether it's a hand-held power tool, a forklift truck, a microscope or a hospital bed, is a passive RFID tag or Bluetooth Low-Energy (BLE) beacon programmed with a unique asset identification number. These devices also incorporate a barcode, which staff can scan with the workflow app, accessing the asset's history. A network of RFID tracking stations or BLE gateways placed at strategic locations identifies and tracks each item of equipment as it moves from place to place, communicating this data to the asset tracking system.

The asset tracking system logs all activity with timestamps and updates the management dashboard with a real-time location for each asset.

The mobile workflow app

The Multitone WorkFlow app allows staff to manage requests for equipment relocation, cleaning and maintenance. The system processes all requests, notices and alerts via the Multitone i-Message time-critical messaging platform - this ensures the efficient delivery and receipt of messages. Management of the entire asset tracking system is via an easy-to-use dashboard accessed with an internet browser.

Compliance

The Multitone asset tracking workflow app is secured with user name and password authentication and is fully encrypted. All messages are tracked, time-stamped and recorded for event review and audit. The app is also fully GDPR compliant.

Part of Multitone's advanced communications ecosystem

Our asset tracking system integrates fully with other Multitone solutions, including our secure workplace communications app, our critical communications network, and our IoT system integration platform.

Visit multitone.com/solutions to find out more.



Asset tracking in healthcare

Our asset tracking and workflow system was originally designed for healthcare use and successfully trialled with the Northern Health and Social Care Trust in Northern Ireland.

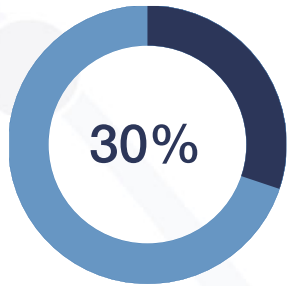
Tracking assets and managing workflow with our digital solution has a number of benefits for hospitals and other healthcare providers. By having an automatically updated list of each key asset's location, staff can look up what they need and proceed directly to its location, saving enormous amounts of time. With digital asset tracking and workflow, any required cleaning or maintenance tasks can be assigned easily and communicated out to relevant personnel. This increases equipment availability and minimises any delays to medical procedures or patient intake.

Tags can be attached to a wide range of equipment, including:

- Beds
- Mattresses, linens and covers
- Syringe and intravenous poles
- Syringe drivers
- ECG monitors
- Hoists
- Vulnerable patients
- Cots
- Blood pressure and vital signs monitors
- Ultrasound scanners
- Infusion pumps
- Wheelchairs
- Trolleys



Healthcare benefits



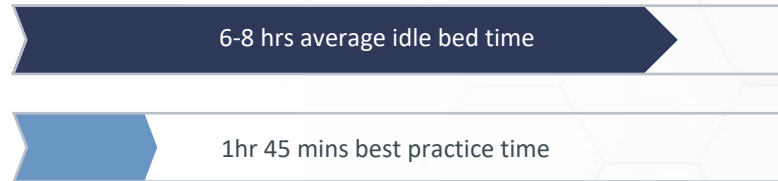
Immediate equipment location – staff can spend up to 30% of their time searching for equipment. This system means staff no longer need to spend that valuable time combing wards for missing equipment.

£50,000+

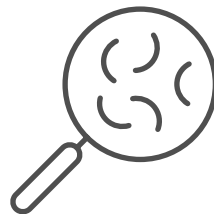
Reduced replacement inventory purchases – asset management case studies indicate that £50,000 to £100,000 savings are possible by reducing the cost of replacing key equipment such as beds, mattresses, portable vital signs monitors, etc.



Better control – enables reduced equipment shrinkage and more efficient management of key resources across the organisation.



Increase bed capacity – on average a hospital bed is 'idle' for up to 6 to 8 hours between discharge and admission. Using the Multitone service, 'idle time' is reduced to 1 hour 45 minutes or less. This can deliver a potential increase in capacity of up to 50 new beds in a 500 bed hospital.



Reduction in infections – The risk of infections such as MRSA is minimised through the performance of correct cleaning on all equipment at the appropriate time. If an infection is traced to a certain patient or a particular bed, being able to immediately access this information means that infection can be isolated as quickly as possible.



Efficient inventory management – The ability to plan, identify and locate the right equipment in real-time reduces delays and cancellations and enhances the overall patient experience.



Faster fulfilment – Efficient fulfilment of clinical equipment and devices reducing cancellation.



Efficient maintenance – quickly identify and locate all equipment requiring maintenance, calibration or repair, increasing availability.



£20,000

Reduced rental or hire costs – Up to £20,000 saved by reducing hire of specialty equipment, especially during the winter season.

Other industries



Improve efficiency, minimise losses, save money

Multitone's asset tracking and workflow solution can be adapted to suit many different operational requirements. It effectively extends the internet of things (IoT) to any item large enough to accommodate a tag, updating its location automatically as it moves around your premises and allowing you to assign statuses and allocate tasks pertaining to that piece of equipment. This system can be used in factories, industrial sites, ports, warehouses, labs, universities, and more.

Here are just a few examples of assets you might track with our system:

- Shipping containers
- Forklift trucks
- Goods pallets
- Plant machinery
- Power tools
- Scientific instruments





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