

RFID

HOSPITAL MANAGEMENT



**RFID solutions in
healthcare.**

**RAIN RFID delivers ROI and
helps hospitals provide
safer and better care.**



Every healthcare enterprise is challenged to deliver the best possible patient care while reducing costs and improving outcomes.

Our Item Intelligence helps healthcare providers know where medical supplies, equipment and staff are located at all times, keeping the focus on patient care and not on operational tasks. With our healthcare solutions, hospitals and other medical facilities can save time, reduce inventory spend, and improve patient care – allowing clinicians to spend more time doing what they do best.

Item Intelligence is the data that streams wirelessly from items tagged with RAIN RFID technology. It provides real-time, actionable information about each tagged item's identity, location and authenticity.

ASSET & EQUIPMENT MANAGEMENT



As hospital staff go about the busy work of taking care of patients, medical equipment is constantly being moved from room to room. RAIN RFID technology is emerging as a low-cost, high benefit technology solution to automate tracking of mobile medical equipment and ensure assets are in the right place at the right time.

Our platform automates the tasks of tracking, locating, and managing medical equipment. RAIN RFID is an inexpensive, battery-free technology that wirelessly connects information about an item's identity, location, and authenticity to the hospital's enterprise systems. Assets are tracked as they move in or out of service rooms and through the facility. This allows staff to see their location in real-time and gain visibility into equipment status to help plan resource use.

HOW IT WORKS

Attach Impinj-powered RAIN RFID tags to mobile medical equipment and other assets.

Use Impinj readers and gateways installed in doorways and ceilings to wirelessly identify and locate items.

Get accurate, real-time data about assets in your hospital software systems.



Impinj RAIN RFID enables RTLS and RTHS:

RAIN RFID is a wireless technology that can be used to enable a real-time location system (RTLS) or real-time health system (RTHS). A RAIN RFID system can read thousands of items simultaneously, without line-of-sight. These tags are durable and don't require batteries.

Replace manual asset tracking with automated inventory intelligence:

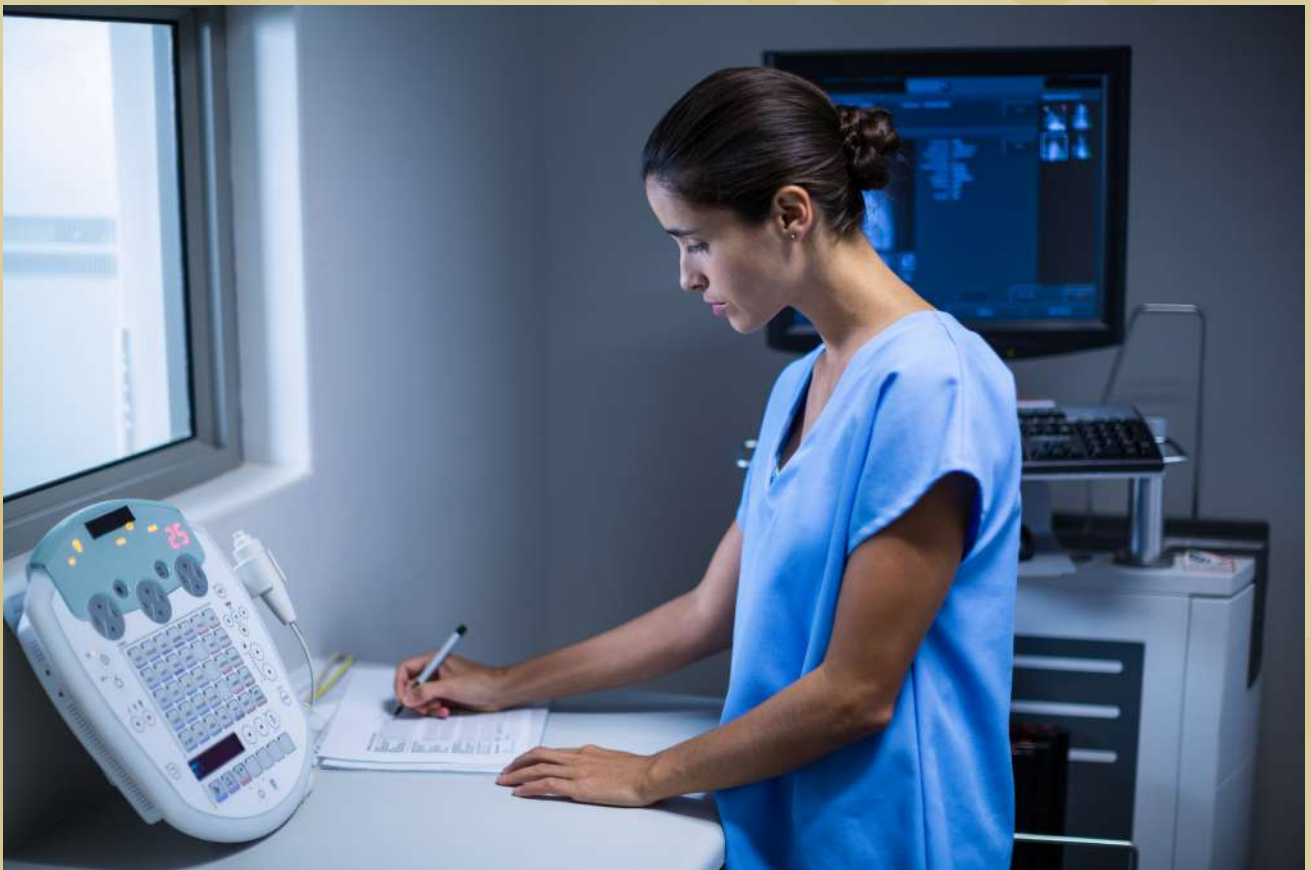
With RAIN RFID, tracking is automated and the data is always current and correct, thus eliminating slow, error-prone manual processes. Staff has confidence in inventory reports and is assured that the equipment they need will be available when they need it.

Maintain availability while lowering capital costs:

An average of 15% of hospital assets are lost or stolen each year, which leads to a real financial cost from an inefficient asset management system. With accurate inventory data, hospitals reduce capital expenditures and rental costs through efficient use of equipment. And they ensure compliance with maintenance, cleaning and billing processes.

HOSPITAL MANAGEMENT

- # **Reliable and automated documentation for increased compliance:**
With automated recordkeeping, hospital management is assured that required processes are followed. Increased communication about the status and availability of assets reduces the need for staff to take shortcuts with required processes.
- # **Reduce wait times and deliver a better experience for patients and staff:**
When equipment is available, everyone benefits – patients are served efficiently and staff time is maximized. Staff become confident in asset availability and can better plan their time.



SUPPLY & INVENTORY MANAGEMENT

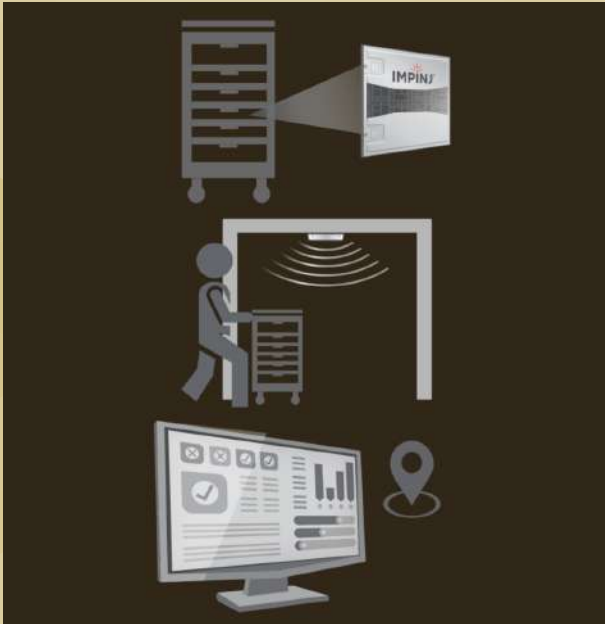


Outdated methods for inventory management of medical supplies are time-consuming, labor-intensive and prone to error. RAIN RFID solutions provide real-time visibility into inventory levels, improving utilization and decreasing waste.

Hospital supply chain teams are responsible for ensuring that the right medical supplies are readily available when and where needed. However, many of the systems in use today for supply management are inefficient and do not support these goals.

The platform uses RAIN RFID technology to provide accurate, real-time visibility into inventory levels across multiple supply rooms in multiple facilities. Solutions built on the Impinj platform eliminate inefficiencies in the system including stockouts, over-ordering, hoarding of supplies, and wasted supplies.

HOW IT WORKS



Attach Impinj-powered RAIN RFID tags to supplies and medications.

Use Impinj readers or gateways mounted in cabinets, doorways or rooms to wirelessly identify and locate medications and supplies.

See accurate, real-time data about inventory across multiple supply rooms in multiple hospital facilities.

Automate inventory counts for streamlined resupplying:

The management of supplies is often a manual and error-prone process, relying on clinical staff and distracting them from their primary focus of patient care. RAIN RFID can automate these tasks, reduce errors and speed up processes.

Eliminate waste from over-ordering and expired medications:

A lack of reliable data about supplies needed for procedures creates substantial overhead due to restocking of unused supplies and the time needed to gather supplies. RAIN RFID delivers accurate, real-time data about supply location, levels and consumption to eliminate waste.

Improve patient charge capture:

Inaccurate tracking of consumed supplies can have a direct financial impact on health systems due to incomplete charge capture for procedures. RAIN RFID automates identification of supplies consumed in caring for patients and ensures complete and proper charges for those supplies.

HOSPITAL MANAGEMENT

Simplify medication management:

Managing medication trays is labor intensive with employees replenishing inventory, checking expiration dates and filling out paperwork multiple times per day. Human errors result in increased waste, costs and risk to patients. RAIN RFID automatically ensures the right medications are available, tracks expiration dates, and captures charges.



PATIENT & STAFF WORKFLOW MANAGEMENT



The trend in the healthcare sector is more towards providing high quality care with maximum efficiency. The healthcare providers now have to also focus on availability of rooms and assets, cleanliness, and compliance with regulations..

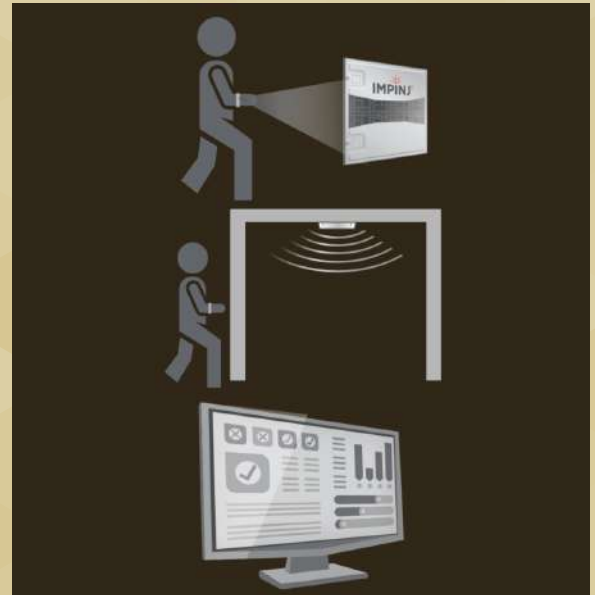
By automating the tracking and management of these activities with RAIN RFID solutions, healthcare providers stand to gain valuable time to focus on the quality of their care, not background processes. This includes ensuring patient transport equipment is available when it's needed, delivering better visibility and data around patient-staff interactions, automatically tracking supply usage to eliminate errors, and more. With an integrated, automated RAIN RFID system in place, hospital staff can focus on what matters most — caring for patients.

HOW IT WORKS

Attach Impinj-powered RAIN RFID tags to items you wish to track such as patients, shared assets such as wheelchairs or commonly used medical supplies.

Place Impinj readers in doorways or hallways to automatically identify items or people that pass through.

The collected data is sent back to hospital management systems to better optimize efficiency and practices.



Increase bed capacity without increasing beds:

Hospitals lose valuable time and revenue when patients leave and their room isn't cleaned and made ready for the next patient quickly. RAIN RFID systems can monitor patient movement and automatically notify environmental services staff when a room is ready for cleaning. Patients get checked-in faster and beds have less down time, which improves revenue capture.

Reduce patient wait times for equipment and services:

Where spreadsheets and sticky notes have failed, RAIN RFID-enabled solutions ensure transport equipment and other mobile assets are always easy to find. Automated, integrated RAIN RFID systems not only reduce wait times, but increase workflow efficiency for an overall improved patient experience.

Fight hospital-acquired infections:

Without understanding how infections spread, it's impossible to mitigate their effects. RAIN RFID systems can track time staff spends washing hands, offering valuable insight into staff behavior and policy compliance. With better visibility, policies can be adjusted to fight the spread of infections and keep patients safe.

HOSPITAL MANAGEMENT

Ensure all hospital supplies are readily available:

Taking inventory of the vast number of supplies, implants, and other devices used is time-consuming, and mistakes may be costly. RAIN RFID automates tracking of supplies, which reduces errors, and lets staff make patient care their primary focus.

Automate medication management to reduce costs and waste:

From ensuring that patients get the right medications, to discarding recalled or expired products, to keeping everything stocked, there's a lot to keep track of where pharmaceuticals are concerned. An automated RAIN RFID solution provides hands-free tracking of all medications to reduce errors, waste, and ultimately overhead costs.

