

APPLICATION NOTE

# Asset Management with RAIN RFID

Realize even more value from your RTLS platform



## Solution Benefits

- **Easily track** small, mobile equipment in real time
- **Improve asset utilization and purchase management**, resulting in reduced capital expenditures and rental costs
- **Increase staff efficiency** by automating equipment searches
- **Reduce theft and loss** through real-time alerting
- **Automate PAR levels** to drive efficiency and remove gaps in availability
- **Improve operational decision making** and material management workflow optimization through advanced visual analytics

*RAIN RFID is the ideal passive technology solution for tagging certain assets in the healthcare environment.*



## Challenges

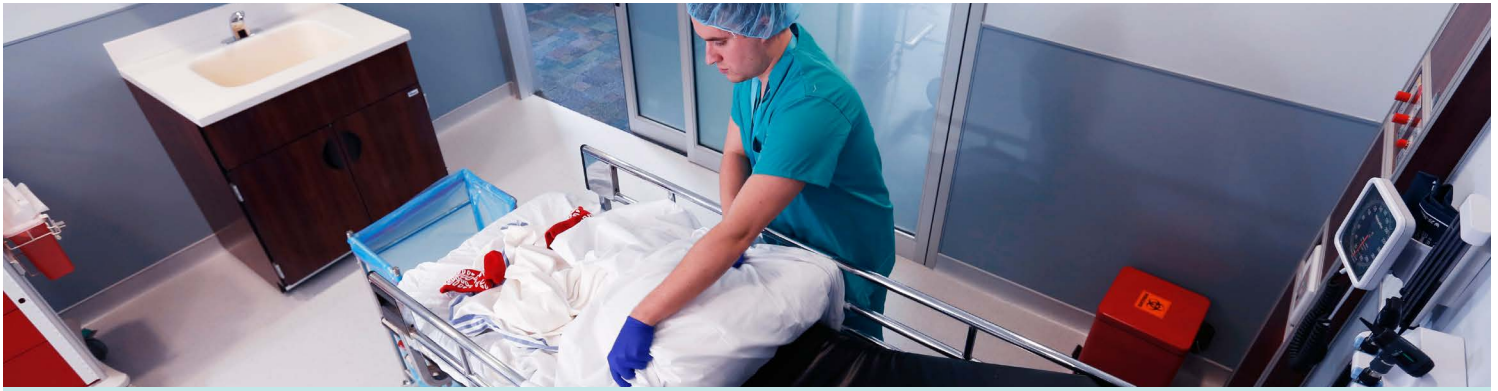
RTLS-enabled visibility and analytics offer a powerful solution for managing assets. However, every asset management use case may not require or support the use of an active RFID tag. Assets might be too small to be tracked with an active tag, such as telemetry packs or handheld Dopplers.

In some cases, such as IT or research equipment, assets might not be sufficiently mobile to merit the use of active tags. Hospital administrators and clinicians need a better way to efficiently locate these types of assets, capture and analyze valuable inventory data, and generate alerts when assets pass through potential loss areas.

## Solution

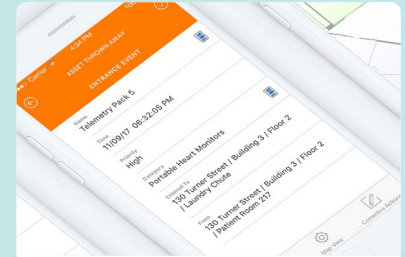
STANLEY Healthcare has an answer. Through our partnership with Impinj™, we have incorporated RAIN RFID technology into our AeroScout® Real-Time Location System (RTLS) visibility and analytics platform. The expanded Asset Management solution enables hospitals to tap into the small size and cost advantages of battery-free tags through their enterprise platform—with the same alerts, maps and reports available with active tags.

Seamlessly locate RAIN RFID-tagged assets across the enterprise using RAIN RFID readers or gateways at strategic locations or chokepoints. The readers and gateways provide location data for the assets—data that enables staff to find assets, account for valuable capital inventory, manage inventories of equipment, and receive real-time alerts about potential loss events.



## Shrinkage Control

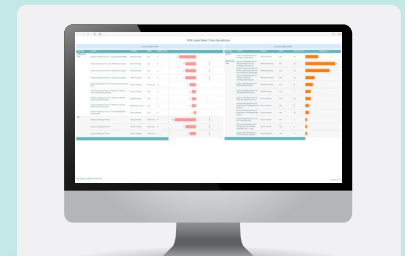
Telemetry packs and other small medical devices can be accidentally “lost” in trash or linen carts as patient rooms are cleaned. With Impinj RAIN RFID readers or gateways installed at the bottom of chutes or collection points, the system alerts staff when a tagged asset enters one of these areas—enabling real-time reaction to shrinkage events. What’s more, the solution’s RAIN RFID sorting station helps staff identify which individual bag of trash or linen contains the asset—reducing their exposure to infectious waste.



*Real-time alerts when assets pass through egress, change in status or go above/below PAR level*

## PAR Level Management and Order Fulfillment

The RAIN RFID-enabled solution provides inventory management of assets using PAR level processes or order fulfillment. The solution reads assets placed on shelves in clean or soiled utility rooms, providing visibility into which assets are placed into or removed from inventory locations. When combined with powerful visual analytics dashboards that quickly show PAR level status, hospital staff gain access to operational insights for immediate action—along with historical information for trend analysis.



*Visual Analytics help to reduce costs with better insight into inventory quantities and PAR levels*

## Inventory Location and Accountability

By retaining the last known location of the tagged assets, the RAIN RFID-enabled solution provides inventory location information for assets across the facility. This perpetual inventory not only provides location data to help staff locate assets but creates an efficient method to account for equipment inventories.



### About STANLEY Healthcare

Over 15,000 hospitals and senior living communities rely on STANLEY Healthcare solutions to empower caregivers to deliver better care. STANLEY Healthcare is a part of Stanley Black & Decker and a proud supporter of the Alzheimer’s Association®. Learn more at [stanleyhealthcare.com](http://stanleyhealthcare.com).



### About Impinj

Impinj wirelessly connects billions of everyday items such as apparel, medical supplies, and automobile parts to consumer and business applications such as inventory management, patient safety, and asset tracking. The Impinj platform uses RAIN RFID to deliver timely information about these items to the digital world, thereby enabling the Internet of Things. Learn more at [impinj.com](http://impinj.com).