



**INTEGRATION, INC.**  
Going Beyond The Mark!™

# TRANSFORMING HEALTHCARE OPERATIONS: SMART AUTOMATION FOR HOSPITALS AND PATIENT CARE

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# SOLUTIONS GUIDE

**TRACK SMARTER. WORK FASTER. IMPROVE PATIENT CARE.**



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# INTRODUCTION – THE PATH TO SMARTER HOSPITALS

Hospitals today are under immense pressure to operate more efficiently while delivering the highest standard of patient care. Staff shortages, rising costs, and outdated manual processes are stretching resources thin. In this environment, inefficiencies like misplaced equipment, inventory shortages, and compliance risks not only waste time and money but can also put patient safety and satisfaction at risk.

Healthcare leaders understand that operational inefficiencies aren't just inconveniences, they're critical obstacles that impact the quality of care. Nurses and clinical staff spend countless hours on administrative tasks like tracking inventory or locating hospital equipment, pulling them away from direct patient care. Meanwhile, fragmented systems and manual workflows lead to wasted supplies, unnecessary spending, and compliance challenges that can damage a hospital's reputation.



But there's a smarter way forward. Automated data capture technologies, including RFID, smart barcode scanning, and inventory management solutions, are transforming hospital operations by addressing these inefficiencies head-on. These technologies automate time-consuming tasks, improve visibility into critical assets and inventory, and enable hospitals to operate smarter, safer, and more cost-effectively.

At the heart of this transformation is passive RFID technology, a proven solution that provides real-time visibility into hospital workflows. Unlike traditional manual processes or barcode systems, passive RFID offers unparalleled accuracy and control without the need for line-of-sight scanning. Whether it's tracking high-value equipment, managing sterile surgical trays, or ensuring compliance with FDA UDI requirements, RFID empowers hospitals to streamline operations and focus on what matters most: delivering exceptional patient care.

In this guide, we'll explore how hospitals can leverage passive RFID and complementary technologies to overcome today's challenges. From automating inventory management to creating secure chains of custody for specimens, these solutions are designed to reduce waste, improve accuracy, and enable smarter hospital operations.

It's time to reimagine what's possible in healthcare. With automated data capture and RFID at the center of your hospital's strategy, you can eliminate inefficiencies, optimize resources, and deliver better outcomes for your staff and patients.



**"84% OF DECISION-MAKERS AGREE THAT MANAGING INVENTORY DIRECTLY IMPACTS PATIENT SAFETY."**

**— ZEBRA TECHNOLOGIES, HOSPITAL VISION STUDY**

# CHALLENGES HOSPITALS FACE TODAY

Running a modern hospital is no small feat. From managing critical inventory to coordinating patient care, healthcare facilities operate under intense pressure to deliver safe, high-quality care in an environment often constrained by limited resources. Yet, outdated systems and manual workflows can create significant inefficiencies, putting both patients and staff at risk.

Below, we explore some of the most pressing challenges hospitals face today—and how these obstacles impact operations, staff, and patient outcomes.

## INVENTORY SHORTAGES, WASTE, AND COMPLIANCE RISKS

For hospitals, maintaining an accurate inventory of medical supplies, pharmaceuticals, and surgical tools is critical—not just for operational efficiency, but also for patient safety. Yet many hospitals still rely on manual inventory counts and disconnected systems that result in avoidable mistakes.

### THE CONSEQUENCES

- **Shortages and Stockouts:** Essential supplies may be unavailable when needed most, causing procedure delays or cancellations.
- **Expired or Recalled Supplies:** Without proper tracking, expired or recalled items may inadvertently be used, jeopardizing compliance with FDA regulations and patient safety.
- **Wasted Resources:** Overstocking to "play it safe" leads to unnecessary costs and waste.



**"74% OF HOSPITALS REPORT CANCELED PROCEDURES DUE TO LOW-STOCK OR OUT-OF-STOCK SUPPLIES, UNDERSCORING THE CRITICAL NEED FOR BETTER INVENTORY MANAGEMENT."**

**— ZEBRA TECHNOLOGIES, HOSPITAL VISION STUDY**

## LOST EQUIPMENT AND RESOURCE MISMANAGEMENT

Every hospital depends on an intricate web of high-value assets, from ventilators and infusion pumps to wheelchairs and sterilized surgical tools. However, the lack of real-time visibility into these assets means staff often waste hours searching for equipment—or worse, go without it.

### THE CONSEQUENCES

- **Delays in Patient Care:** Missing equipment can stall surgeries, extend wait times, or disrupt procedures.
- **Increased Costs:** Hospitals may overstock or rent equipment unnecessarily to compensate for misplaced or unavailable assets.
- **Staff Frustration:** Clinical teams face growing frustrations when critical tools aren't readily accessible, leading to inefficiencies and burnout.

### OVERCOMING DATA SILOS IN HEALTHCARE

Hospitals rely on dozens—if not hundreds—of systems to manage inventory, staff, and patient records. Unfortunately, these systems are often disconnected, making it difficult to access real-time information when it's needed most.

### THE CONSEQUENCES

- **Operational Bottlenecks:** Fragmented systems lead to delays in critical workflows, such as patient discharges or equipment allocation.
- **Inaccurate Resource Allocation:** Without real-time insights, equipment, staff, and beds cannot be dynamically assigned to meet patient needs.
- **Reactive Management:** Hospitals are forced to respond to crises rather than proactively addressing inefficiencies.

*A lack of real-time visibility into critical resources, including equipment and supplies, increases operational costs and disrupts workflows, resulting in inefficiencies across the hospital.*



**IN 2023, 18% OF SENTINEL EVENTS RESULTED IN PATIENT DEATH, WHILE 88% OF ALL SENTINEL EVENTS OCCURRED IN HOSPITAL SETTINGS. PATIENT FALLS, UNINTENDED RETENTION OF FOREIGN OBJECTS, AND DELAYS IN TREATMENT WERE AMONG THE LEADING CONTRIBUTORS.**  
— THE JOINT COMMISSION

## ADMINISTRATIVE BURDENS CONTRIBUTING TO BURNOUT

Healthcare workers are among the most dedicated professionals, yet they're often bogged down by time-consuming, non-clinical tasks like manually documenting supply usage or tracking down misplaced items. These administrative burdens take a toll on morale, leading to burnout and turnover.

### THE CONSEQUENCES

- **Reduced Bedside Care:** Every minute spent on paperwork or searching for tools is a minute taken away from direct patient care.
- **Burnout and Retention Issues:** Overburdened staff are more likely to experience job dissatisfaction, affecting hospital performance and patient outcomes.
- **Lost Productivity:** Valuable staff time is wasted on avoidable tasks like manually tracking inventory or verifying expired stock.

### THE RIPPLE EFFECT ON HOSPITALS

When hospitals are unable to effectively manage their resources, the challenges extend beyond operational inefficiencies.



#### **Patient Safety Risks:**

Expired or recalled supplies, unsterilized tools, or delays in care can jeopardize patient outcomes.



#### **Financial Losses:**

Each day a patient stays unnecessarily due to delays or inefficiencies costs hospitals thousands of dollars.



#### **Eroding Trust:**

Patients lose confidence in their healthcare providers when procedures are delayed or canceled due to avoidable issues like missing supplies.

*Hospitals cannot afford to operate with blind spots or outdated systems. To succeed in today's healthcare environment, facilities need tools that offer real visibility, automation, and precision—eliminating the inefficiencies that strain resources and compromise care.*



**NURSES SPEND SIGNIFICANT PORTIONS OF THEIR DAY AWAY FROM PATIENT CARE, WITH MUCH OF THEIR TIME CONSUMED BY ADMINISTRATIVE AND NON-CLINICAL TASKS SUCH AS SEARCHING FOR HOSPITAL EQUIPMENT AND MANUALLY DOCUMENTING INVENTORY USAGE.**  
— RECENT NATIONAL NURSE SURVEY

# HOW RFID AND AUTOMATED DATA CAPTURE TRANSFORM HOSPITAL OPERATIONS

## TRANSFORMING HEALTHCARE WITH SMARTER TECHNOLOGIES

Hospitals operate in fast-paced, high-stakes environments where every second matters. The inability to access real-time information on inventory, equipment, and workflows can result in costly inefficiencies and patient safety risks. RFID and automated data capture technologies are helping healthcare facilities address these challenges by providing visibility, accuracy, and efficiency—empowering hospitals to deliver exceptional patient care.

By automating manual processes and replacing outdated systems, hospitals can gain insights into their resources, allowing for better decision-making, reduced costs, and improved outcomes.



## REAL TIME VISIBILITY AND TRACKING

With RFID, hospitals can track high-value assets, surgical tools, specimens, and inventory in real time, eliminating the need for manual checks or line-of-sight scanning. Passive RFID tags are especially well-suited for healthcare because they are affordable, scalable, and require no batteries, making them a low-maintenance solution for tracking critical resources.

### KEY BENEFITS

- Automatically track equipment like ventilators, wheelchairs, and IV pumps from storage to use, minimizing search time and maximizing equipment availability.
- Gain a bird's-eye view of asset movement across your facility, reducing inefficiencies and ensuring resources are always where they are needed.
- Prevent shortages and overstocking with real-time inventory updates for surgical tools, implants, and consumables.





## ENHANCING PATIENT SAFETY

RFID and automated data capture technologies improve patient safety by ensuring the right tools, procedures, and medications are delivered at the right time. These solutions also create a secure chain of custody for critical resources, reducing the risk of errors and improving compliance with safety protocols.

### KEY BENEFITS

- Ensure proper handling and tracking of patient specimens with RFID-enabled chain-of-custody management.
- Track medication from storage to administration, reducing the risk of errors and ensuring compliance with safety standards.
- Avoid delays in treatment by ensuring equipment and supplies are readily available when and where they're needed.



## OPTIMIZING INVENTORY MANAGEMENT

Manual inventory tracking is time-consuming, error-prone, and costly. RFID-powered systems automate inventory management to eliminate expired stock, minimize waste, and mitigate recall risks. These solutions also ensure compliance with FDA UDI regulations, making it easier for hospitals to maintain high safety and operational standards.

### KEY BENEFITS

- Automate replenishment workflows to prevent stockouts and shortages in critical departments like the OR or ER.
- Eliminate waste by reducing overstock and tracking expiration dates with precision.
- Streamline FDA UDI compliance with smart scanning technology that validates UDI barcodes, flags errors, and integrates data into hospital systems.





## REDUCING ADMINISTRATIVE WORKLOADS

By automating time-consuming tasks, RFID frees up healthcare staff to focus on what they do best: providing patient care. Instead of spending hours manually tracking inventory, documenting supply usage, or searching for lost equipment, staff can rely on automated systems to handle these tasks with speed and accuracy.

### KEY BENEFITS

- Reduce the administrative burden on nurses, who often spend up to 75% of their time away from the bedside.
- Simplify workflows by automating supply usage tracking and integrating it directly into ERP and EHR systems.
- Improve staff morale and retention by reducing burnout caused by non-clinical tasks.



## SUPPORTING WORKFLOW EFFICIENCY

RFID solutions not only track assets and inventory but also optimize workflows across hospital departments. From streamlining patient transport to ensuring faster equipment turnover, RFID-powered insights help hospitals identify bottlenecks and create more efficient processes.

### KEY BENEFITS

- Reduce surgical delays by ensuring surgical trays and tools are sterilized, tracked, and ready for use.
- Improve patient flow by minimizing equipment-related downtime and ensuring smooth transitions between departments.
- Accelerate discharge times by providing real-time visibility into equipment and room readiness.

# USE CASES: RFID IN ACTION

Explore how RFID technology is driving measurable improvements in healthcare operations, from tracking specimens to managing sterilized surgical trays and automating inventory workflows.



## ENSURING SPECIMEN INTEGRITY WITH RFID TRACKING

The worst-case scenario in specimen management is losing a critical sample. Imagine how upset a patient would be if their biopsy went missing and they had to endure an unpleasant or invasive procedure all over again. Unfortunately, misplaced or mishandled specimens are not uncommon and can have devastating consequences for patient trust and outcomes.

### PRIMARY BENEFITS

- Secure chain of custody
- Instant location tracking
- Enhanced patient trust
- Reduced turnaround times
- Seamless integration with existing software

While many hospitals currently use barcode systems for specimen tracking, these systems have limitations. Barcodes require line-of-sight scanning, and they can't help to locate a misplaced sample in real time. Passive RFID technology offers a smarter solution by creating a secure chain of custody for each specimen. From the moment a sample is collected to its arrival at the lab and every stage in between, RFID ensures precise tracking and handling, reducing errors and delays.

## HOW IT WORKS



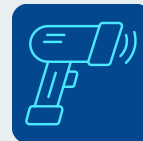
**RFID Tags**

Specimen containers are tagged with passive RFID labels at the collection point, ensuring they are uniquely identifiable throughout the tracking process.



**Fixed RFID Readers**

Placed at critical thresholds, such as lab intake areas, storage units, and processing stations, to automatically log the specimen's movement.



**Handheld RFID Readers**

In the event of a misplaced specimen, lab staff can use handheld readers that act like a "Geiger counter," emitting a louder beep as the user gets closer to the tagged item.

## WHY IT MATTERS

Specimen tracking isn't just about logistics—it's about patient safety and confidence. By creating a secure chain of custody for every sample, passive RFID solutions mitigate the risks of lost specimens and ensure precise handling. This streamlines lab operations and builds patient trust, allowing hospitals to focus on delivering accurate, timely results. Whether it's a critical biopsy or a routine blood sample, RFID ensures that every specimen is managed safely and efficiently.

# TRACKING AND LOCATING HOSPITAL EQUIPMENT WITH PASSIVE RFID

Hospitals rely on a wide range of equipment to deliver quality patient care—from IV pumps and wheelchairs to ventilators and gurneys. However, keeping track of these essential items is an ongoing challenge. Departments often misplace, underutilize, or hoard equipment, leading to delays, inefficiencies, and unnecessary costs.

## PRIMARY BENEFITS

- Reduce search times
- Prevents hoarding
- Optimize equipment utilization
- Minimize losses
- Improve workflow efficiency
- Support compliance and maintenance

Passive RFID technology offers a cost-effective and scalable solution for tracking and locating hospital equipment in real time. By providing instant visibility into asset locations, RFID helps hospitals reduce search times, prevent losses, and improve operational efficiency.

## HOW IT WORKS



### RFID Tags

Passive RFID tags are attached to hospital assets such as wheelchairs, infusion pumps, and ventilators. These tags provide each item with a unique identifier that can be read without requiring a direct line of sight.



### Fixed RFID Readers

Installed at key locations—such as storage rooms, hallways, and patient care areas—these readers automatically log the movement of tagged equipment as it passes through critical thresholds.



### Handheld RFID Readers

Staff can use handheld RFID readers to locate misplaced or hoarded equipment in real time. The readers emit audible beeps that get stronger as the user approaches the tagged item.



### Centralized Software Integration

RFID tracking integrates seamlessly with the hospital's asset management system, allowing staff to view the real-time location and status of equipment on a centralized dashboard.

## WHY IT MATTERS

In a fast-paced hospital environment, delays caused by misplaced equipment can compromise patient care and waste valuable resources. Traditional methods of tracking hospital assets—such as manual logs or barcode scanning—are time-consuming and prone to errors.

Passive RFID eliminates these challenges by providing real-time visibility into the location and movement of critical equipment. Staff no longer need to waste time searching for items, and hospitals can ensure that high-value assets are properly maintained, utilized, and readily available. This not only improves operational efficiency but also enhances patient care by minimizing delays and disruptions.



## TRACKING SURGICAL TRAYS AND TOOLS FOR BETTER OR EFFICIENCY AND PATIENT SAFETY

Managing surgical trays in a hospital environment is no small feat. Each tray contains dozens of essential instruments that must be sterilized, tracked, and delivered to the right operating room for specific procedures. Misplacing or failing to properly sterilize a single tool can delay surgeries, compromise patient safety, and create logistical challenges for surgical staff.

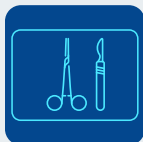
### PRIMARY BENEFITS

- Comprehensive tool tracking
- Easy identification without breaking sterility
- Improved OR accuracy and efficiency
- Regulatory compliance
- Error reduction
- Optimized workflow
- Patient-specific designations

An additional challenge lies in locating the correct sterilized, wrapped tray without compromising sterility. Staff cannot open the wrapping to confirm which tray is designated for a particular patient or procedure without requiring re-sterilization—an entirely separate process managed by different departments. This can result in delays and inefficiency.

Passive RFID technology revolutionizes surgical tray management by not only tracking the tray itself but also keeping detailed records of every individual tool on the tray. It also empowers staff to quickly identify the correct sterilized tray without breaking the sterile barrier, ensuring the tray is ready for its designated patient or procedure.

### HOW IT WORKS



#### RFID Tags for Trays & Tools

Each surgical tray is affixed with a durable passive RFID tag capable of withstanding high-temperature sterilization processes. Additionally, individual tools on the tray, such as forceps and scalpels, are tagged with smaller RFID labels to ensure complete visibility into each instrument's location and status.



#### Integration with Procedure Workflows

Each tray is predesignated for a specific patient or procedure. RFID technology allows the hospital's inventory system to validate that the correct tray and tools are delivered to the appropriate operating room.



#### Fixed RFID Readers

Installed at key locations—such as storage rooms, hallways, and patient care areas—these readers automatically log the movement of tagged equipment as it passes through critical thresholds.



#### Handheld RFID Readers for Sterilized Tray ID

Staff can use handheld RFID readers to instantly identify the correct sterilized tray for a specific patient without needing to open the wrapping. The reader scans the RFID tag, verifying the tray's designation while preserving sterility and saving valuable time.

### WHY IT MATTERS

Ensuring that the right surgical instruments are available, sterile, and ready for use is critical to patient safety and OR efficiency. However, manually identifying the correct sterilized tray for a procedure without breaking the sterile wrapping is a challenge that can lead to delays and unnecessary re-sterilization. RFID eliminates this bottleneck by allowing staff to quickly verify tray assignments without compromising sterility, ensuring seamless OR workflows.



## RFID-ENABLED SMART CABINETS FOR IMPLANT AND HIGH-VALUE INVENTORY MANAGEMENT

Hospitals manage a vast inventory of high-value surgical implants and medical devices, including orthopedic kits, cardiac implants, and other critical supplies. These items must be stored securely, tracked accurately, and available on demand to prevent surgical delays. Traditional inventory management methods—such as manual counts, barcode scanning, and handwritten logs—are time-consuming and prone to errors. Stockouts, expired implants, and missing consignment inventory from medical device manufacturers can create costly inefficiencies and impact patient care.

### PRIMARY BENEFITS

- Eliminate manual inventory tracking
- Prevent expired and recalled items being used
- Ensure implant availability
- Optimize consignment inventory management
- Improve financial and compliance accuracy
- Enhance security and regulatory compliance

RFID-enabled Smart Cabinets provide a seamless, automated solution to track and manage implants and other high-value inventory in real time. These cabinets ensure compliance, prevent expired or recalled products from being used, and streamline hospital-supplier coordination, particularly for consignment inventory.

### HOW IT WORKS

- High-value implants and surgical devices are tagged and stored in secure, RFID-equipped cabinets that automatically log inventory levels and access.
- When an item is removed or returned, the system logs the transaction in real-time, eliminating the need for manual documentation.
- Software tracks item usage, alerts staff to upcoming expirations, and ensures recalled products are flagged before use.
- Smart Cabinets sync with hospital ERP and procurement systems, ensuring that inventory data, patient billing, and supplier invoicing remain accurate and up to date.



### WHY IT MATTERS

A missing implant or an expired medical device can delay surgeries, put patient safety at risk, and lead to unnecessary financial losses. Without an automated tracking system, hospitals struggle with inaccurate inventory records, leading to overstocking, stockouts, and compliance challenges.

By using RFID-enabled Smart Cabinets, hospitals can eliminate manual tracking errors, gain real-time inventory visibility, and prevent expired or recalled items from being used in surgery. Additionally, RFID simplifies the management of consignment inventory from medical device manufacturers, ensuring that vendor-supplied items are properly tracked, used, and billed accurately. This results in better operational efficiency, lower costs, and improved patient care.



## VALIDATING UDI BARCODES TO PREVENT ERRORS & ENSURE SUPPLIER ACCOUNTABILITY

The Unique Device Identification (UDI) system was designed to improve traceability, enhance patient safety, and streamline supply chain management. However, hospitals continue to struggle with improperly formatted UDI barcodes from suppliers, leading to data entry errors, compliance challenges, and operational inefficiencies.

### PRIMARY BENEFITS

- Prevent bad data from entering systems
- Hold suppliers accountable for non-compliant labels
- Reduce manual errors and labor costs
- Streamline inventory by ensuring devices are accurately labeled and traceable
- Achieve immediate ROI reducing wasted administrative time with instant barcode validation

Many suppliers fail to follow proper FDA UDI formatting, forcing hospital staff to manually correct errors—or worse, enter bad data into their systems. This not only creates labor-intensive workflows but also increases the risk of using mislabeled or non-compliant medical devices.

Rather than hospitals absorbing the cost of fixing these errors, BarCode<sup>OS</sup>® smart scanning technology shifts accountability back to suppliers by instantly validating UDI barcodes at the point of entry.



### HOW IT WORKS



#### UDI Validation with Smart Scanners

Advanced scanners powered by BarCode<sup>OS</sup>® analyze incoming UDI labels and instantly detect formatting errors, missing data, or non-compliant barcodes before they enter hospital systems.



#### Error Reporting & Feedback

If a supplier's barcode is improperly formatted, the scanner immediately flags the issue and provides real-time feedback, preventing incorrect data from being processed.



#### Supplier Accountability

Hospitals can now document and report barcode compliance failures, giving them leverage to demand corrections from suppliers.



#### Seamless Data Parsing

When a UDI barcode is valid, it automatically parses the data into the correct hospital ERP, EHR, or inventory system, eliminating manual entry.

### WHY IT MATTERS

Hospitals shouldn't have to fix supplier mistakes or deal with the frustration of mislabeled medical products. BarCode<sup>OS</sup>® ensures that only properly formatted UDI barcodes enter hospital systems, preventing costly errors and allowing staff to focus on patient care instead of data correction.

By automating UDI validation, hospitals can eliminate compliance headaches, improve supply chain accuracy, and demand better performance from suppliers—all with just a scan.



## RFID FOR RECALL MANAGEMENT & EXPIRED INVENTORY PREVENTION

When a product recall is issued or inventory nears expiration, time is of the essence. Hospitals face immense pressure to locate, remove, and replace affected items before they can compromise patient safety or lead to regulatory penalties. Traditional methods—like manually combing through inventory spreadsheets or relying on barcode scans—are time-consuming, error-prone, and often leave critical gaps in the process.

Passive RFID technology transforms recall management and expired inventory prevention by automating the tracking and identification of affected items. With real-time visibility and automated alerts, hospitals can proactively identify and remove non-compliant inventory, saving time and improving patient safety.

### PRIMARY BENEFITS

- Proactively manage recalls
- Prevent use of expired inventory with automated alerts
- Save time and quickly locate flagged items
- Enhance patient safety
- Improve compliance with detailed reports on recall/expiration management
- Reduce financial loss and minimize waste

### HOW IT WORKS



#### RFID Tags for Inventory Tracking

All medical devices, implants, and consumables are tagged with passive RFID labels, making them trackable throughout the hospital's supply chain.



#### Integration with Recall Databases

RFID systems integrate with recall and regulatory databases, enabling hospitals to receive real-time updates about affected products.



#### Automated Alerts

When a recalled or expired item is scanned or identified via RFID readers, the system sends automated alerts to staff, prompting immediate action.



#### Streamlined Removal & Reporting

Staff can quickly locate and remove flagged items using handheld RFID readers, while the system generates reports for compliance documentation.

### WHY IT MATTERS

In a high-pressure healthcare environment, hospitals can't afford to take chances with recalled or expired items. The consequences range from patient safety risks and regulatory penalties to financial losses and reputational damage.

With passive RFID technology, hospitals can streamline recall management and inventory tracking, ensuring that non-compliant products are removed swiftly and safely. By automating these processes, healthcare facilities save valuable time, improve compliance, and safeguard patient care.





## ENHANCING OR CHARGE CAPTURE, INVENTORY ACCURACY, AND RECALL MANAGEMENT WITH SNAP&GO™

Operating rooms (ORs) depend on a steady supply of surgical implants, consumables, and high-value medical devices to ensure successful procedures. However, many hospitals struggle with inaccurate usage reporting, missing items, and discrepancies in stock management. Without a clear record of what supplies are used during surgeries, hospitals face billing inaccuracies, wasted inventory, and difficulties in budgeting for future procedures.

### PRIMARY BENEFITS

- Accurate charge capture for implants and consumables
- Eliminates manual documentation errors in the OR
- Seamless integration with ERP and EHR systems
- Prevents the use of expired or recalled items with instant alerts
- Reduces waste and enhances patient safety
- Tracks product recalls at point of use

Another major challenge is managing product recalls in real time. When hospitals rely on manual tracking, identifying and removing recalled implants or medical devices before they reach the OR can be difficult, increasing the risk of patient harm. Snap&Go's visual recognition technology automates charge capture, improves inventory accuracy, and provides instant alerts for recalled items—helping hospitals maintain compliance and streamline workflows.

### HOW IT WORKS



#### Instant Item Recognition

OR staff simply snap a photo of an implant or consumable package, and Snap&Go's optical character recognition (OCR) technology instantly identifies the item.



#### Automated Data Capture

The item is automatically recorded in the hospital's inventory system and synchronized with ERP and EHR databases, eliminating manual entry errors.



#### Automated Recall Alerts

The system validates FDA UDI barcodes, ensuring compliance and immediately flagging recalled or expired items before they are used in a procedure.



#### Error Handling & Resolution

If a SKU doesn't match the hospital's item master, it is temporarily stored in a designated folder and cross-referenced with manufacturer catalogs to ensure accuracy.

### WHY IT MATTERS

In fast-paced surgical environments, every second counts—and so does every dollar. When hospitals lack visibility into the supplies used during procedures, they risk billing inaccuracies, stock shortages, and compliance failures. Worse, without an efficient recall management system, hospitals may unintentionally use recalled implants or devices, putting patient safety at risk.

Snap&Go eliminates these risks by providing real-time, automated charge capture and inventory tracking while also integrating recall management alerts directly into the workflow. By ensuring complete and accurate documentation, hospitals can reduce unnecessary costs, prevent compliance issues, and protect patient safety—without disrupting OR workflows.

# TAKE THE NEXT STEP TOWARD SMARTER HEALTHCARE

Hospitals today face growing challenges that demand innovative, efficient, and patient-focused solutions. RFID technology is more than a tool—it's a transformative solution that enhances workflows, reduces costs, and improves patient safety across every touchpoint of hospital operations.

With over 25 years of expertise in RFID systems integration, ID Integration partners with leading technology providers to deliver tailored solutions that fit the unique needs of hospitals and healthcare facilities. Whether it's tracking specimens, managing surgical trays, or optimizing inventory and equipment, our technology-neutral approach ensures measurable results.

To learn more about how RFID can improve efficiency, accuracy, and compliance in your hospital, contact us today. Schedule a consultation with one of our RFID experts, visit our website to explore additional resources and case studies, or call (425) 438-2533 to discuss your hospital's specific needs.

## SMARTER TRACKING. SAFER PATIENTS. STRONGER HOSPITALS.

The future of healthcare is here—start building it today with ID Integration.



# SOURCE LINKS

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