USEIT ™

Point of Use Management

useIT in Nursing Units

TECSYS **Benefits**

Reduces stock wastage & patient risk

- Built-in stock rotation feature simplifies preventing product expiration.

Eliminates stockouts & excess inventory

- Accurate demand signals enables accurate & optimized inventory levels.

Increases productivity & work satisfaction

- Eliminates the time spent on disruptive stockouts & rush orders.
- Cuts down time spent searching for supplies due to a sustained & streamlined inventory environment.

Enables continuous inventory optimization

- Translates valuable data into actionable information through reporting & analytics.

Facilitates quick & accurate demand response

- Real-time information based on actual consumption drives quick & accurate response for improved service levels.

Automates demand capture

- Eliminates demand capture rounds & releases time for more value-added activities.

useIT in **Nursing Units** - Overview

The TECSYS useiT solution for nursing units and patient floors helps hospitals to become significantly more efficient at the point of use, freeing up clinical staff in material-related processes so they can focus on patient care. By accommodating the unique requirements of each service area, *useIT in Nursing Units* delivers more consistent demand capture and inventory accuracy, supporting a high level of service at the point of care.

- Supply chain process automation at the point of care
- Various technologies and inventory practices
- Movement and demand tracking
- Accurate inventory visibility
- Usage capture
- Patient traceability

ICU

OUTPATIENT UNITS

CLINICS

USEIT ™
Point of Use Management

IN NURSING UNITS

INPATIENT UNITS

EMERGENCY DEPARTMENT
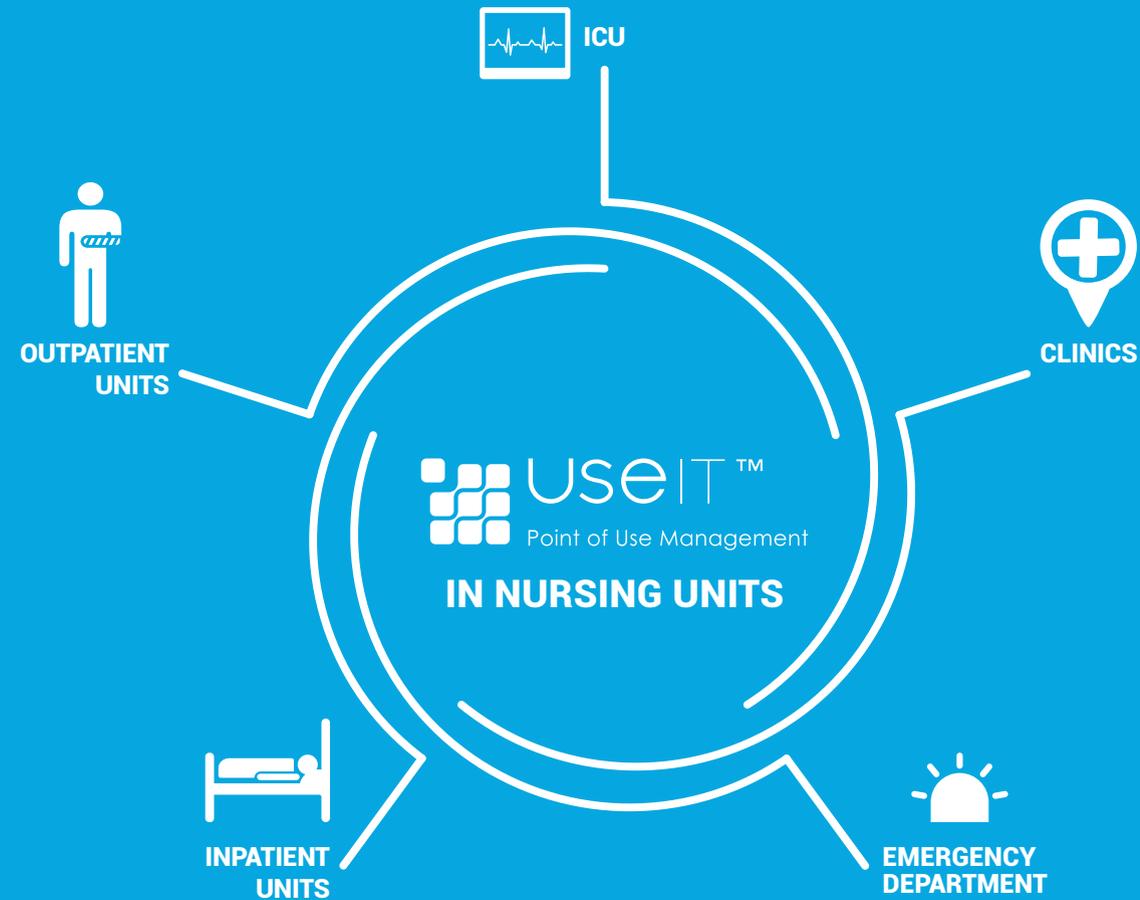
Inventory Management Approach

Featuring various inventory practices paired with multiple data capture technologies, *useIT in Nursing Units* is highly flexible and can accommodate the unique requirements of myriad nursing unit envrionments based on the following parameters:

- The clinical interaction with supplies at the point of care
- The type of inventory being managed
- The type of nursing unit with specific patient traceability requirements

This ensures that the right practice and technology can be deployed for the best possible ROI, based on the dynamics of consumed volume, item value and process costs.

PAR Location Management		Perpetual Inventory Management
PAR Count	Two-Bin Kanban	Perpetual Usage Capture
Mobile & Barcode	Mobile & Barcode	RFID smartpanel	Touch & Barcode
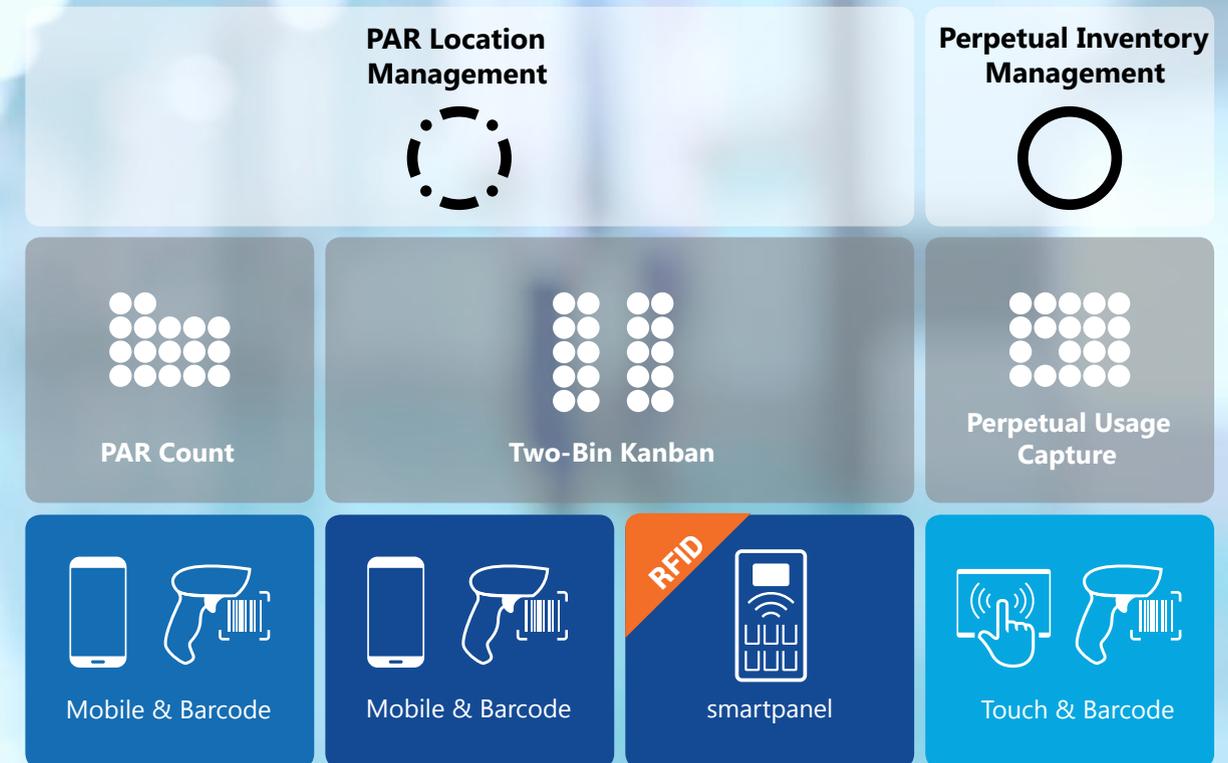
Consumption Capture
PAR Count and our End2End Platform

PAR level inventory management continues to be a common practice for low velocity clinical areas or perhaps combined with other inventory management practices. A PAR system is simple in principle, but there are challenges. Reliance on product knowledge, manual recording, and accuracy deterioration leads to stockouts, over-stocking and waste. To overcome these challenges, we address user compliance through streamlining and facilitating demand capture processes.

We achieve this by simplifying data capture through our patented visual content and intuitive applications, and aggregating it under one common platform. When implemented as part of a useIT transformation, PAR Count areas are funneled into a consolidated platform which lets you analyze your operations from end to end.

Integrated **mobility**

At the core of TECSYS' supply chain platform are patented visual content and intuitive applications accessible on standard mobile devices. No matter the inventory approach, from PAR and two-bin to unitary capture, TECSYS' mobile-friendly application provides visual cues to users and empowers users to become significantly more efficient and accurate for daily system operations and needs assessment activities across various nursing unit environments.

Mobile device applications with barcode scanning simplify and automate the complete delivery process, from receiving to putaway, and assist the logistics team with guided maintenance processes, making the best use of resource time.

- PAR replenishment and two-bin replenishment
- Needs assessment and count process in real time
- Multiple replenishment rules:
  - *Type of item*
  - *Schedule and holidays*
  - *Various sources*
  - *Critical items*
- Activity tracking from receiving, delivery and putaway
- Maintenance-driven point of use:
  - *Directed cycle count for some identified items*
  - *PAR adjustment*
  - *Transfer of inventory*

Consumption Capture
Two-Bin Kanban Barcode
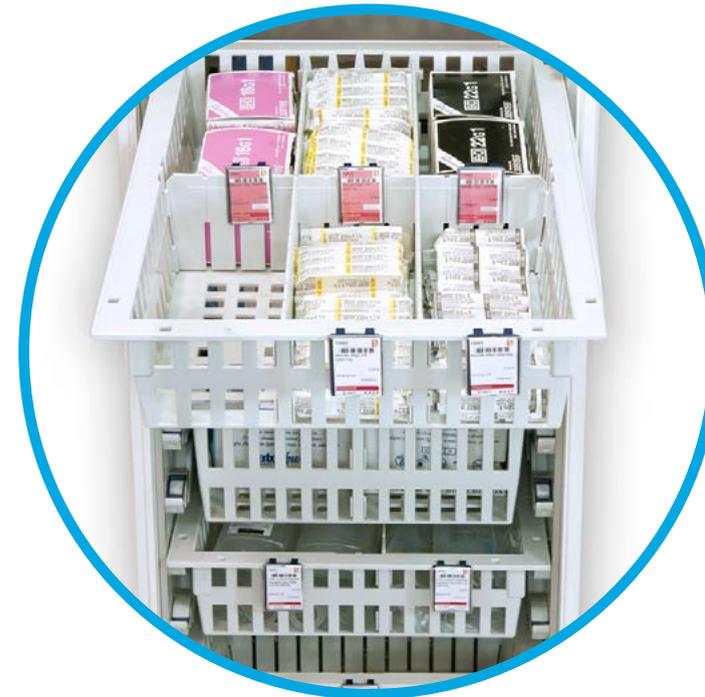
2Tags Kanban   **2Totes** Kanban

The useIT suite of products includes our best-in-class two-bin kanban offering to maintain reliable stock levels and accurate demand assessments while improving replenishment activities. Barcode-enabled two-bin, together with advanced workflows through our mobile application platform, provide user interaction assistance and simplify performance of supply chain activities at the point of use.

useIT two-bin kanban is well established as the industry best practice, where a single action – or trigger – is activated per batch of supplies, rather than a unique action – or trigger – for each item used. Managing supplies in this manner results in consistent stock availability while simultaneously greatly reducing clinical and support staff interactions with the system. This also ensures stock rotation and helps prevent stock wastage due to expiration.

Consumption Capture
Two-Bin Kanban RFID

Pending
Replenishment requested

Processing
Replenishment underway

Late
Delivery is statistically late

Backorder
Item on backorder

smart**panel Kanban**

LED **Notifications**

The **smartest** two-bin around

The RFID technologies we offer to automate our two-bin kanban system leverage the most impactful elements of the Lean methodology, ensuring the highest degree of workflow efficiency and process improvement. We deliver real-time information and replenishment status indicators to clinical staff as they simply go about their daily activities. Meanwhile, RFID technology enables significant efficiency gains for the logistics team.

RFID technology eliminates the need to perform demand capture rounds altogether and provides real-time demand information across the frontline of service.

- Just-in-time demand response to act proactively on the demand and avoid potential stockout.
- Visual system provides immediate feedback for replenishment status, maximizing compliance and system accuracy.
- RFID technology eases the putaway process and automates maintenance.

Consumption Capture
Perpetual Usage Capture for Chargeables

Nursing Kiosk

In some organizations, charge capture is a necessity for nursing unit supplies. For these areas, we offer a solution that provides item-level tracking to easily capture chargeable items, facilitate lot control, and ensure patient traceability.

The supply chain process at the point of use for item-level tracking is completely automated. Products are captured via barcode or touch technologies through our *Nursing Kiosk*'s user interface, enabling organizations to track usage in real time.

The *Nursing Kiosk* offers a variety of data collection options: wireless RF barcode reader, auditory voice feedback, touch screen entry capabilities; collectively designed to support various needs and circumstances.

The replenishment triggers can be tied directly to actual patient billing usage or it could be a parallel safety approach with the use of another inventory management solution. In the background, once a predetermined reorder point for a chargeable item is reached, the system will trigger a replenish request unless a replenishment demand has already been triggered from the parallel inventory solution. With this approach, any gaps that exist between items consumed and items charged are identified, thus providing users with key management information.

- Complete inventory visibility as well as immediate access to supplies across the entire hospital organization.
- Improved charge capture and patient billing reclaiming uncharged supplies.
- Clinician-friendly technology, allowing greater focus on patient care.
- Improved cash cycle.

Transforming data into **value**

Leveraging the ITopia® supply chain platform, useIT consolidates accurate data from across a hospital or health system, and transforms that data into meaningful information—thereby enabling proactive decision making—and provides both value and insight in support of process improvement initiatives. The built-in business intelligence, key metrics, and analytic tools make it easy to monitor and improve supply chain performance on an ongoing basis. In addition to providing global visibility to inventory across the organization, the TECSYS platform allows the hospital system to analyze the value of those inventories at all locations.

One **Consolidated** Platform

Healthcare organizations need to be able to choose point-of-use solutions that respond to each department's needs but also have a centralized platform for inventory management. Our approach is to combine both. We provide specific solutions tailored to different areas of the hospital while connecting all point-of-use systems, both proprietary and third party, to enable our clients to gain a global view and manage their many locations as one entity.

useIT in Nursing Units is one suite of solutions connected to a consolidated point-of-care platform. This platform, which we call ITopia®, acts as a central hub for all point-of-use data captured. This provides healthcare organizations with a total overview of their information flow which enables powerful network-wide analytics and intelligent decision-making.

| Nursing Units | Clinics | Emergency | Cath Labs | Perioperative | Pharmacy | Other Point-of-Use Systems |

ITopia®
Enterprise SCM Platform

END-TO-END DEMAND CONSOLIDATION

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Healthcare

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