ZEBRA CAPTURE YOUR EDGE

Enhance Patient Care by Equipping Your Staff with Real-Time Medical Equipment Visibility

Optimise the Management of Your Medical Equipment to Improve Patient Outcomes

Every day, nurses and care givers need access to high-value and high-usage medical equipment to support their clinical tasks. The ability for them to have quick access to the right medical equipment – IV pumps, ventilators, EKG machines, oxygen cylinders – is vital to ensure that the right procedure is carried out and that the upmost quality of patient care is delivered.

With healthcare staff constantly on the move and the vital need to react to dynamic shifts, medical equipment is often borrowed from one department to another, and quite often not returned to its original storage area. Missing and misplaced equipment can have considerable impacts on patient outcomes, in delaying procedures and treatments, leading to bed blockages and delays in patient discharge.

The process of monitoring, tracking and locating high-value and high-usage medical equipment can be a challenging task for healthcare providers to manage. From getting lost, misplaced or even stolen amid day-to-day use, missing equipment is an issue that plagues all healthcare facilities in some form or fashion.

With the Zebra MotionWorks Healthcare Medical Equipment Tracking solution, healthcare staff receive real-time visibility on the location and status of critical medical assets. It helps to considerably reduce time wasted searching for misplaced equipment when nurses should focus their attention on patient care.

From a financial aspect, MotionWorks Healthcare Medical Equipment Tracking can simplify inventory management processes to help eliminate unnecessary costs from re-stocking misplaced or lost equipment, and reduce waste. This business intelligence tool powered by Zebra's real-time location technology tracks equipment throughout all areas of the facility and sends alerts when a device leaves its designated zone.

With detailed around-the-clock visibility, stress and time pressures on clinicians can be reduced, wasted time locating equipment can be eliminated and the quality of patient care can be prioritised.

Streamline Workflows

Zebra's MotionWorks Healthcare Medical Equipment Tracking captures critical asset and inventory data. In making sense of this operational data, the solution provides increased visibility to help optimise inventory levels. Care givers can spend their time on what matters the most, their patients,
instead of being stock keepers. In providing data and contextual awareness that help improve clinical workflows, the solution supports effective internal processes and cross-team collaboration:

- **Visibility:** Expedite the process of locating specific devices so staff can flow from one task to the next without disruptions.
- **Operational Efficiency:** Allow care teams to make informed decisions on how to improve workflows, role responsibilities, patient journeys and equipment utilisation.
- **Direction:** Ensure caregivers have the required resources and guidance for performing the functional responsibilities of their role.

Maximise Utilisation

Leverage data-driven reports with real-time contextual data that monitor optimal utilisation, functionality, availability, inventory upkeep and sanitation.

- **Usage:** Examine medical equipment usage by zone or staff member to assess and improve functionality and movement patterns.
- **Preventative Maintenance:** Identify devices that need to be repaired or cleaned to avoid broken or dirty equipment.
- **Availability:** Receive updates on when individual devices will be available for use to eliminate equipment shortages and reduce waiting times.

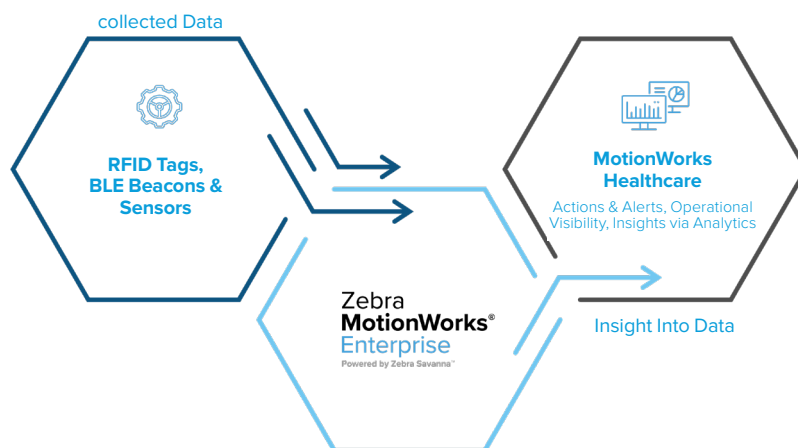### Improved Hospital Operational & Financial Efficiency

The solution offers smart operational and financial outcomes.

- **Operational:**
  - Manage levels of equipment need by area/time/day.
  - Provide real-time inventory and stock maintenance.
  - Support regulation and compliance requirements.
- **Financial:**
  - Track and manage preventative maintenance schedules.
  - Reduce expired product and waste.
  - Eliminate asset rental extension loses.

How Does Zebra MotionWorks Healthcare Drive Operational Control?
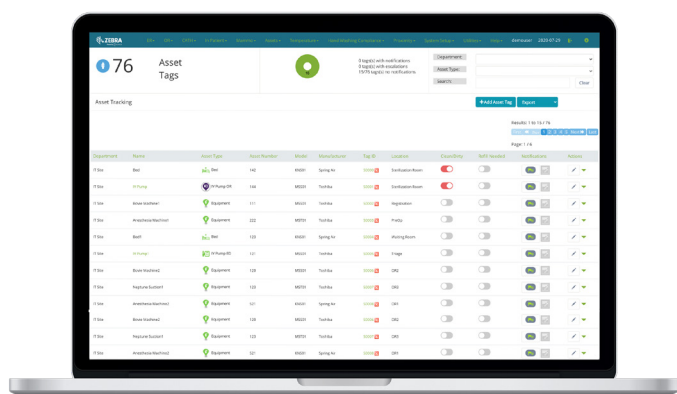
It All Starts with MotionWorks Enterprise Platform

MotionWorks Enterprise collects and analyzes data from technologies capable of sensing location. The analytics engine provides contextual information on a clinical asset such as its location, whether it is out of position, and whether it is clean and ready to use, or requiring calibration/servicing etc.

Zebra MotionWorks Healthcare Medical Equipment Tracking Solution

Area	Use Case	Desktop Application	Mobile Application
Tracking	Basic tracking of equipment using a map view.	Yes	Yes
List View	Query equipment in list view.	Yes	Yes
Rentals	Track rental equipment with dashboards and reports, maintenance due, lease expiration.	Yes	No
Preventive Maintenance	Track preventive maintenance with dashboards and reports. Flag assets system IDs that need attention. Conversations can be used to describe action required.	Yes	No
Reorder Levels	Use tracking to create par level functionality.	Yes	No
Equipment Usage - General	Location and dwell times by zones is used to infer in-use vs ready for use vs needs attention. Asset usage analysis available on Tableau.	Yes	No
Equipment Usage - Smart Devices	IV Pump usage status (Available, in-use, offline).	Yes	No
Loss Prevention and Geo Fencing	Alert for assets leaving a zone and not coming back based on preset rules.	Yes	No
OR Asset Tracking	OR Orchestration module tracks equipment needed for surgical procedures through dashboards.	Yes	Yes

Zebra Dashboard Report Types

- Asset Building Tracking
- Asset Tags Lost
- Asset Movement
- Preventive Maintenance Notification
- Preventive Maintenance Due
- Asset Dirty and Clean
- Asset Rental Notification
- Asset Rental Due