



TEGO
Powering Assets with Intelligence

Asset Intelligence Solutions for Hospitals and Patient Care Centers

Achieve high efficiency in care delivery through effective management of critical hospital equipment and consumables

Overview

Hospital leaders and management are charged with finding solutions to multiple complex operational and care delivery issues. In addition to guaranteeing the highest standard of patient care, they need to maintain efficient operations in the face of ever-rising costs. To identify and successfully implement cost-effective programs hospital managers need to leverage proven, easy-to-implement and ROI-focused technologies to automate and improve processes.

Tego's Asset Intelligence Platform (AIP) solution delivers efficient hospital asset management processes and outcomes for both management and clinical staff alike, in a cost-effective manner.

Drive improved patient satisfaction, quality of care, staff efficiency and cost containment through effective asset utilization, capital equipment condition management and automatic electronic replenishment of consumable inventory.



The Asset Intelligence Solution At a Glance

Tego's AIP is a combination of an easy to deploy and intuitive mobile software platform and smart asset chips and tags, capable of reading and writing digital information using standard RF readers or mobile devices, directly on any asset.

See graphic on page 4 for more info

Tego's AIP provides real time location of all equipment, including immediate acknowledgement of equipment location during clinical care and daily operations. The solution enables the rebalancing of needed clinical equipment throughout all the units and floors of the hospital, with added time tracking for scheduled asset maintenance and rental equipment lease expiration notification. The platform also offers an electronic or eKanban module for inventory management, including automatic restocking alerts and the automated transmission of electronic re-order messaging integrated directly with purchasing.

Hospital Asset Management Challenges Addressed

- **Suboptimal asset utilization:** Hospital inventory of medical equipment can be in the hundreds to thousands of items, resulting in a significant operational challenge to locate, identify and properly utilize such assets
- **Asset management labor inefficiencies:** Countless labor hours are wasted by asset management staff, and even clinical staff, in searching and tracking down equipment for use in care operations
- **Risk of errors in asset use:** with manual processes for inspection, maintenance and lease management, multiple errors could occur, resulting in inadequate quality of care, and compliance issues.
- **Clinical staff administrative inefficiencies:** When medical equipment is not readily available or easily located for immediate, clinical staff attention and resources are misdirected to dealing with equipment as opposed to providing patient care.
- **Inefficient manual processes:** Many provider facilities still employ manual identification, inspection and logging with the use of paper records or Excel spreadsheets. Some have employed basic barcodes which also fall short. A bar code does not aid in locating and identifying mobile assets and is at best a static reference point, it does not provide dynamic up to date changes over time.
- **Regulatory compliance risks:** Hospitals and provider facilities could be legally exposed for integrity and safety compliance issues related to hospital assets and equipment under state regulations, federal guidelines and various accrediting body mandates (e.g., FDA, EPA, The Joins Commission (TJC).
- **Costly and ineffective inventory management** – Hospitals must never find themselves in need of critical consumables or equipment, and unable to deliver timely care. The fear of potential shortages of bandages, dressings, medications, or medical equipment results in widespread instances of overstocking. Overstocking equates to overspending and is the result of a lack of visibility into actual demand.



Solution Use Cases

- ✓ Get real-time asset management and location visibility throughout hospital premises, in RF-enabled areas
- ✓ Manage location of tagged capital equipment using handheld devices.
- ✓ Track assets in clinical use and through maintenance (cleaning, sterilization, repair)
- ✓ Provide dashboard & mapping functionality to identify location and state of assets
- ✓ Manage asset lease and expiration end dates as applicable
- ✓ Proactively manage preventive maintenance for applicable assets
- ✓ Determine perimeters and provide alerts and event management if identified products breach them
- ✓ eKanban automated replenishment of inventory rooms

Clinical Operations Benefits

- ✓ Fast location identification of critical assets for increased quality and timeliness of care, improved patient satisfaction, staff efficiency and cost containment
- ✓ eKanban assures inventory is always kept lean and to a minimum.
- ✓ Detailed inspection history on the assets itself delivers better visibility, improved management of leased assets within their terms, conditions and warranties.
- ✓ Traceability of all asset conditions and inspections guarantees ease of retrieval, reporting and compliance
- ✓ Identify assets due for inspection to ensure compliance through digital alerting
- ✓ Compliance documentation and assurance: Digital product lifecycle management (PLM) on the asset itself offers a de facto standard of practice

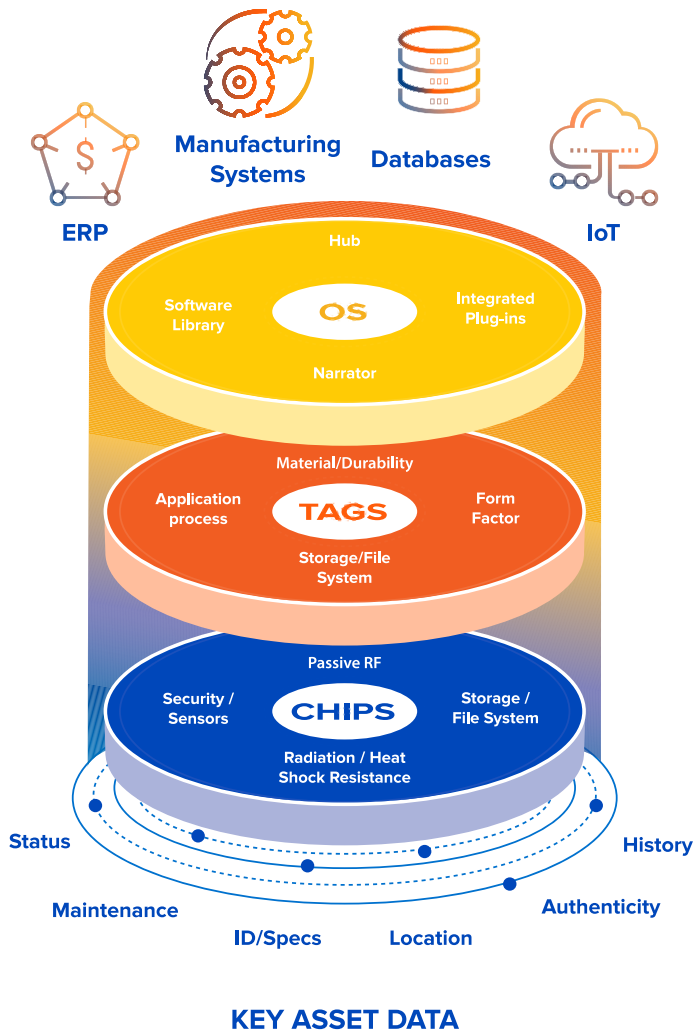


Technology

- **Mobile solution:** an application running on hospital staff's mobile device enables the latest location and condition data to be gathered and synched with the cloud. Integrated mobile workflows that populate data for finding and updating assets, asset condition, cycle counting and locating asset 'en masse' across any location. Take advantage of mobile reach to extend your asset management applications and data gathering.
- **Workstation solution:** a HUB cloud interface enables dynamic real time location of tagged assets as they move across various hospital sites. Dynamic search and locate functionality provides on the floor visibility for clinical and nursing staff.
- **Consolidated reporting:** a HUB cloud database provides one aggregated managerial view enabling analytics and reporting by individual item or device and across all installed assets across various hospital sites
- **Asset maintenance:** Tego's HUB allows personnel to visualize hospital equipment in the field and easily identify which items are due for inspection, calibration; fosters tracking of assets across locations, always knowing and managing their condition for in-the-field reporting
- **Intelligent assets:** Using high-memory passive UHF tags to embed origin and chain of custody information directly on assets themselves for complex association, audit capability, and linkage of asset information with other external databases, and EMR systems
- **Easy status check:** personnel can be alerted to the impending condition change of an asset either by interacting with the asset itself or by running a report through the cloud interface
- **Updateable records:** a digital lifecycle and condition record is dynamically written and additively stored on the asset for in-the-field recall
- **Visual inspection tracking:** stores images, taken with a mobile device, related to individual asset's visual inspection areas of concerns
- **Self-contained solution:** removing dependency on a back-end database or paper and pencil management of critical safety information



Tego AIP Components



Tego Asset Intelligence Platform (AIP)

- Tego's AIP embeds data and documents on the asset itself, connecting your physical world to the digital, using high-memory, rugged, sterilization proof chips and tags
- It enables the capture of data in every step of clinical operations and throughout an asset's life cycle
- The data travels with the asset wherever the asset may go
- This distributed, secure data approach enables unsurpassed visibility, local analytics and action on the spot

Software Operating System (OS)

- The operating system software allows the data to be read using any standard RF protocol and reading devices in a secure manner
- The operating system is agnostic to RF reader hardware (e.g., manufacturer, make and model)
- The data and documents can be captured and presented on a smartphone or tablet
- Open and multi-platform, TegoOS supports all major mobile and desktop operating systems, including iOS, Android, Windows and OS X
- TegoOS enables distributed data to sync with any cloud-based IoT platform, ERP, EAM, or BI

Solution Features

- COTS (Commercial Off The Shelf) ease-of-deployment
- Platform agnostic - interoperable with all major ERP, EAM, IoT and BI technology stacks
- Smartphone and tablet-ready
- Data security controls
- Universal acceptance and interoperability via standard RFID protocols
- Unique component location feature picks individual components out of crowded groups

Find out how Tego's Asset Intelligence Platform can bring your asset management processes into the 21st century, in a cost-effective manner.

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