

Supporting the needs of the Military Health System

**SHIPCOM'S
CATAMARAN
IMPROVES PATIENT
CARE**

- A Healthcare System has many critical components that must function together for cost effective and safe patient care
- Hospital Commanders and staff in leadership positions need to know how resources can be best utilized and where management should focus attention
- Integrated Healthcare Systems need effective asset tracking solutions
- Asset management and Asset utilization are key components of cost effective healthcare delivery
- **Shipcom can provide situational awareness and provide an ROI that is measurable and spendable**



Shipcom enables “The Intelligent Hospital” with **CATAMARAN: Ensuring Good Patient Care and Joint Commission Compliance**

Complying with Clinical and Patient Safety Requirements.... Using Real Time Location Systems (RTLS) improves delivery of patient care!

Today more than ever, good clinical care requires systemic processes. Hospitals and Healthcare Systems can benefit from using Real Time Location Systems, RTLS, to support clinical excellence by facilitating safe and cost effective patient care. RTLS has many clinical uses. Some of the more common uses include:

- Ensuring that Operating Room supplies are sterile, easily locatable and always available
- Ensuring that Perioperative supplies are appropriately stocked and replenished automatically
- Tracking of sterilized endoscopes and other critical sterile Operating Room instruments
- Remote refrigeration monitoring to ensure medical product efficacy and wholesomeness

Sterile instrument tracking using 2D Bar Codes is one simple but critical example of medical instrumentation within CMS-SPD that when supported by RTLS ensures use of only sterile items. There are other broader hospital applications such as using RTLS to monitor Hand Washing Compliance, and reduce the likelihood of hospital acquired infections. A real time location system, with appropriate policies and departmental support can prevent “never events,” reduce the likelihood of hospital acquired infections, reduce associated hospital lengths of stay, and assist in Joint Commission Compliance.

Automatic Identification & Data Capture (AIDC) refers to the method of automatically collecting data directly from systems without requiring staff support. This allows MTF staff to focus on managing delivery of patient care. Many AIDC technologies have proven effective in hospitals including bar codes, real time location systems (RTLS), active and passive radio frequency identification (aRFID, pRFID), biometrics, smart cards, etc. The challenge is to eliminate stovepipe or standalone solutions. **An integrated healthcare system requires an integrated “total asset” management solution.**

Shipcom, a world leader in Real Time Locating Systems (RTLS) and Radio Frequency Identification (RFID) provides total asset management solutions. RTLS provides a proven approach to improve workflow, reduce hospital based infections, ensure ORs are stocked, sterile supplies are available and locatable, and medical equipment can be located quickly.

MHS Qualifications:

- **AF DIACAP with ATO**
 - Asset Tracking
 - Temperature Monitoring
 - Surgical Instruments
- **DMLSS Bi-Directional Interface**

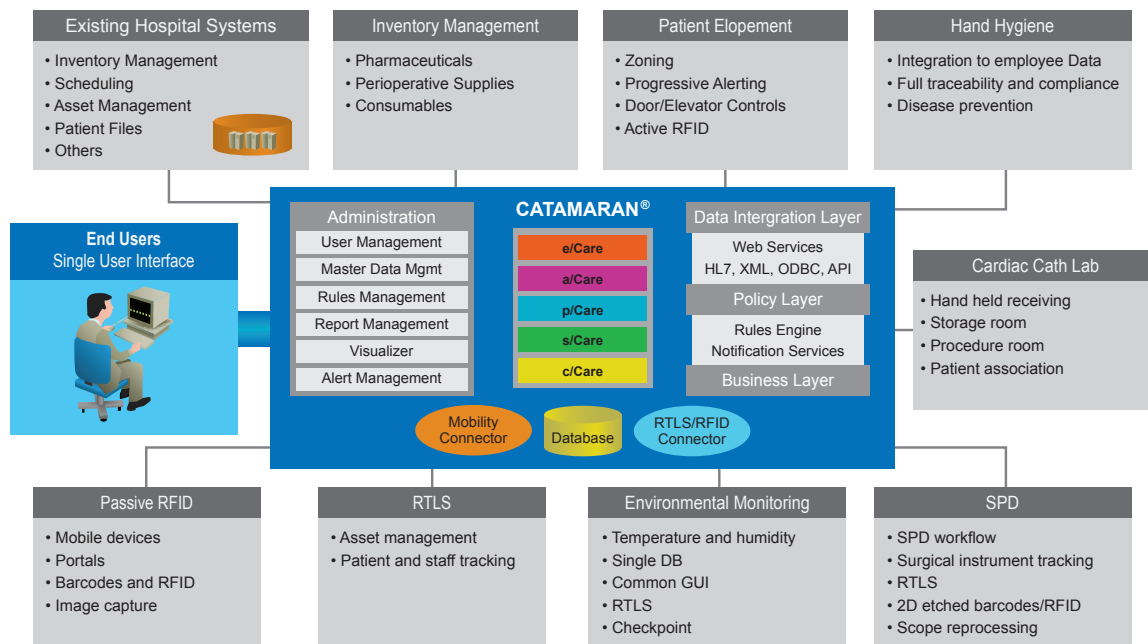


CATAMARAN; Provides Realtime Asset Management:

CATAMARAN is Shipcom's integrated asset tracking platform. It is the proven solution for all your data capture requirements providing 360° Visibility! Most importantly, the technology is easy

to install, mission flexible, scalable, adaptable to any RTLS solution, agnostic with regard to vendor products and is DIACAP approved.

Shipcom's CATAMARAN has a single Graphical User Interface (GUI) for all the Applications.



To eliminate Silos, Shipcom provides the user with a simple to use consolidated view of all resources within a facility. CATAMARAN provides real time visibility across multiple use cases. Providing a

“command and control center” for complete 360° Visibility with a common interface for queries, reporting, alerts, etc.

SHIPCOM APPLICATION PORTFOLIO:

Shipcom provides scalable solutions for today's healthcare challenges with our powerful CATAMARAN. A flexible and scalable platform for growth, additional applications, and a proven migration path to accommodate new technologies.

a/Care-Assets <ul style="list-style-type: none"> • RTLS/RFID/Barcode • Mobile Medical Devices • IT Equipment • Work Orders 	s/Care-SPD <ul style="list-style-type: none"> • RTLS/2D Barcodes • SPD Workflow • Instrument Tracking 	c/Care-CCL <ul style="list-style-type: none"> • pRFID • Smart Cabinets • Inventory Management • Charge Capture 	i/Care-Inventory <ul style="list-style-type: none"> • Perioperative Supplies • Surgical Implants • Tissue Tracking
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ASSET TRACKING APPLICATIONS:

- Asset Management uses RTLS for mobile equipment with bar codes or pRFID for other capital inventory .
- Remote temperature monitoring of refrigerators is based on RTLS sensors complying with Joint Commission mandates for documenting temperatures, events, alerts, resolutions, etc..
- Surgical Instrument Mangement utilizes 2D etch bar codes within the sterilization process and RTLS to monitor movement of surgical trays/case carts.
- Consumables for Cardiac Cath Lab, Tissue Tracking, etc. implement bar codes or pRFID with Smart Cabinets to automate the process for charge capture, traceability, and replenishment



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