



ZH HEALTH

by HITactics

Change the way you deliver healthcare with real-time Location Awareness



ZH Health was carefully crafted to better address the industry's biggest challenges of clinical workflow, hand-hygiene compliance, preventive maintenance and patient safety. With that mindset, we developed four modules that improve patient outcomes and reduce care delivery costs.

ZH Health combines inexpensive commodity Bluetooth smart devices, Mobile apps and Deep Learning software to provide the most accurate and cost effective Real-Time Location System (RTLS) available - most importantly, at scale.

Caregiver & Patient Flow:

Understand how people interact in clinical settings and with each other through visual & statistical displays that include heat maps, tagged floor plans and location data. With real-time Clinical Workflow visibility one can easily access performance information about care team rounding & related activities, patient wait times, caregiver/patient face time and space utilization.

Portable Asset Tracking:

Quickly identify the location of assets inside and around your facility. This solution was developed to resolve the challenges of finding equipment, accessing equipment condition, tracking supply inventory, & ultimately saving equipment cost and caregivers' time.

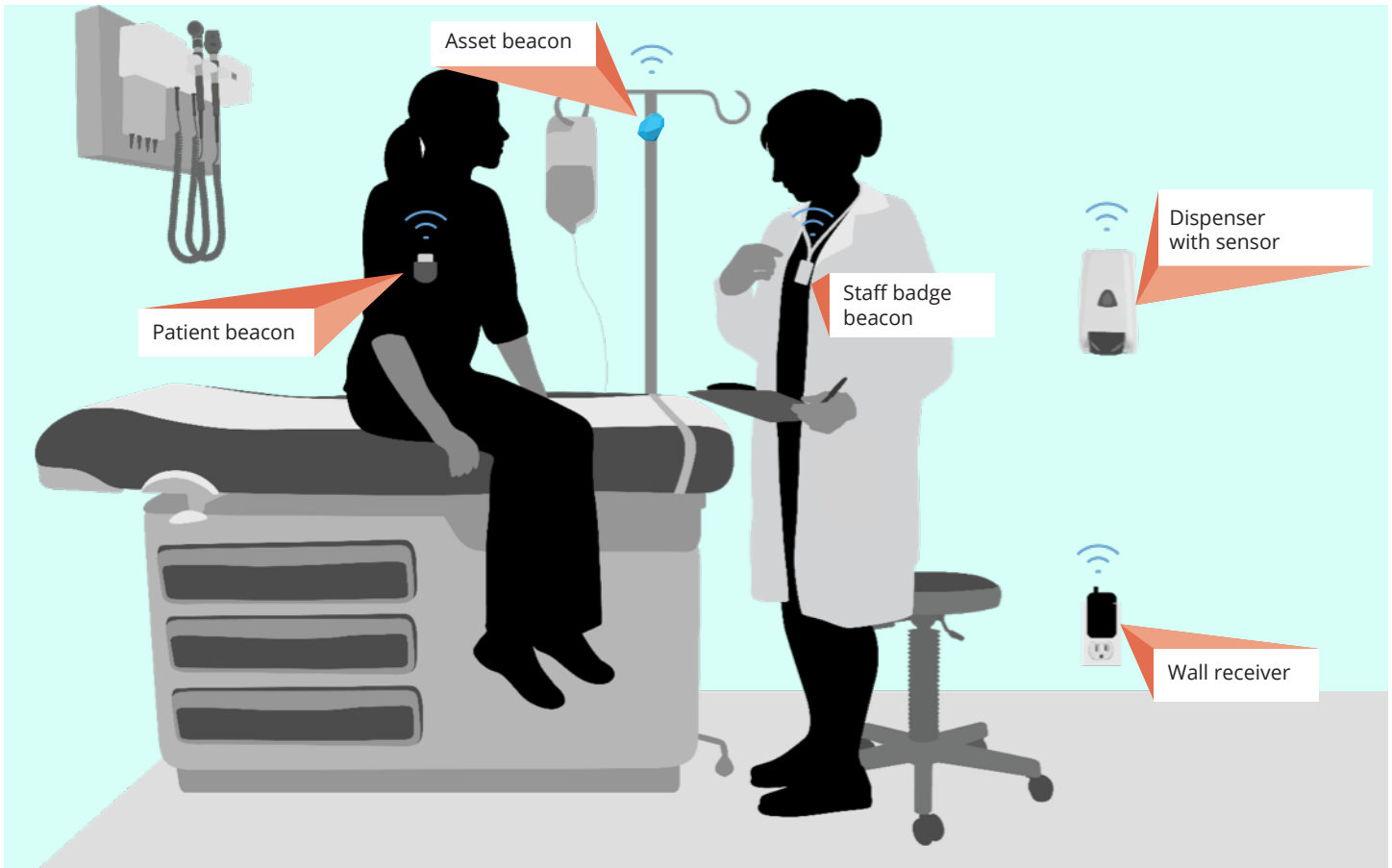
Hand Hygiene Compliance:

Provide caregivers with actionable insights about real-time hand hygiene compliance rates with the goal of reducing hospital acquired infections - all with clinically relevant location accuracy. Monitor compliance of staff & patients throughout your facility using smart badges, dispenser sensors, a Mobile app & gateways that are easy to sanitize.

Equipment Monitoring:

Assure the temperature, humidity & inventory expiration dates are optimal for quality and safety and within required tolerances. Our monitoring solution not only reduces labor & supply costs, but it also saves energy and increases patient safety.

An Integrated System: How It Works



1. Badge, asset, dispenser, & medical device beacons capture location and usage data in real-time. Badge beacons are assigned to individuals, while asset/dispenser beacons are recognized through an unique identifier for each device.

2. The data collected is seamlessly transmitted via BLE signals to gateways and Mobile devices. Each clinically relevant location is tagged & monitored separately. Real-time alerts & friendly reminders can proactively change caregiver behavior.

3. Encrypted data is transmitted over hospital WI-Fi to secure servers on-site or in the Cloud. Then machine learning algorithms are applied to ensure best accuracy and predict compliance.

4. Live Mobile & Web dashboards show descriptive and prescriptive analytics about workflows, HHC rates, and medical device condition & much more. Embedded AI predicts non-compliance events.

