



## REAL-TIME VISION

- Hand washing compliance using existing Wi-Fi infrastructure
- An integral part of a risk management program with management reports
- Measureable outcomes

## SUPERIOR DESIGN

- Ekahau's sensor is built into the gel or soap dispenser
- Tags pick up signal once gel or soap is dispensed
- Ekahau tags can be used for multiple purposes for 2-way communication and staff duress
- No need for additional "chokepoints" or "exciters"
- Remotely-activated tags mean no need to recall tags for re-programming
- Rechargeable batteries

## Ekahau real-time location tracking enables hospitals to monitor hand washing compliance to reduce the spread of HAIs

### The Challenge:

Nosocomial infections or hospital-acquired infections (HAIs) are a serious drain on resources and funds in hospitals and clinics everywhere. Also, many incidents can result in the worst outcome of all. According to the CDC there are 1.7M HAIs per year resulting in 99,000 deaths. And the bottom line is that it costs nearly \$40B in healthcare dollars to treat. A single HAI can cost more than \$15,000 to treat and is not always reimbursed by payors. Studies show that even a small improvement in hand hygiene could save the lives of many patients every day.

A key point of the monograph, titled "Measuring Hand Hygiene Adherence: Overcoming the Challenges," is the effectiveness of a quality improvement effort in hand hygiene is affected by many things, including leadership and intervention approaches. Creating a culture for improvement and having the tools to reduced HAIs readily-available in the workplace is a key point.

### The Solution:

**What if you could both measure and promote hand hygiene with a simple solution over your own Wi-Fi infrastructure?**

The Ekahau Hand Hygiene Solution understands work-flow movements and automatically measures hand washing and caregiver-patient interactions. Caregivers wear an Ekahau tag for real-time location and are monitored every time they enter or exit a patient room. Entry and exit events can be correlated to wash-in/wash-out events. The system monitors if the caregiver washed his or her hands if gel or soap is dispensed at a hand sanitizing station. A simple report is generated with compliance percentages for each care-giver tracked. The Ekahau Real Time Location System (RTLS) is also able to remind caregivers about hand washing every time they enter a patient room.

## Ekahau Solutions for Healthcare:

### Asset Tracking

- Optimize equipment distribution and utilization
- Automate inventory management
- Eliminate excess inventory and equipment rental
- Reduce equipment shrinkage and loss
- Improve staff efficiency and workflow

### Staff workflow and safety

- Improve staff safety and peace of mind
- Enhance the quality of care and patient satisfaction
- Drive and measure compliance
- Improve communications and increase response times
- Integrate with other communication systems

### Wireless temperature and humidity monitoring

- Monitor and manage refrigeration and heating units
- Improve regulatory compliance with automated data collection
- Increase staff efficiency and productivity

### Patient satisfaction and healthcare flow optimization

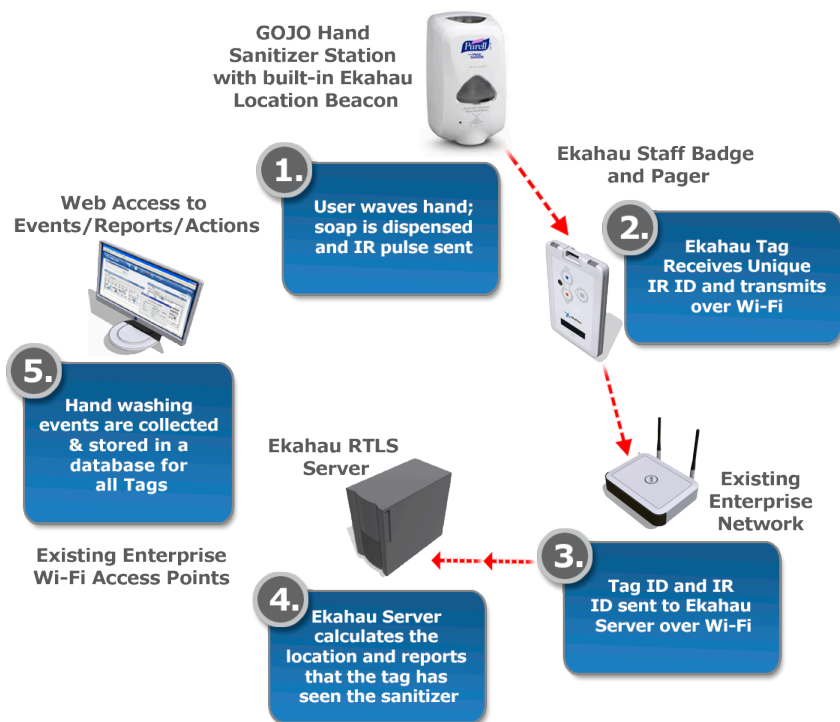
- Enhance quality of care, staff efficiency and productivity
- Monitor, manage and alert patient status to staff and family
- Increase revenues through improved patient throughput
- Improve patient satisfaction through reduced wait times
- Improve patient safety

### Wi-Fi network verification and optimization

- Plan, survey and troubleshoot Wi-Fi networks
- Verify your Wi-Fi network for compliance with:
  - RTLS
  - Clinical device performance
  - Voice, video and data

## One-stop Solution for Enterprise Visibility

The people are visible at all times and can be queried by individual name or in groups to match care-givers schedules. Ekahau's system does not require additional "exciters" or "chokepoints" that can cause interference with sensitive equipment in some hospital settings. Using Ekahau's Vision software, the user has a picture window into the facility based on unique business needs.



We deliver unique and creative technical solutions for your business that will improve safety, visibility, and streamlined workflows. Using your existing Wi-Fi infrastructure, the Ekahau Real-time Location System (RTLS) can lead you to more efficient business practices and a fast return on your investment.

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