

# AeroScout: Enterprise Visibility Solutions for Healthcare

November 2005

**RED HERRING**

**TOP 100**  
INNOVATORS  
**FINALIST**



# How does AeroScout Help?

AeroScout complete visibility solutions use **standard wireless networks** to **accurately locate assets**, and utilize that location to **deliver direct benefits**:

***Web-based visualization  
and asset searches***

(for use by nurses,  
materials managers,  
biomed engineers, etc.)

***Automated alerting and  
notification***

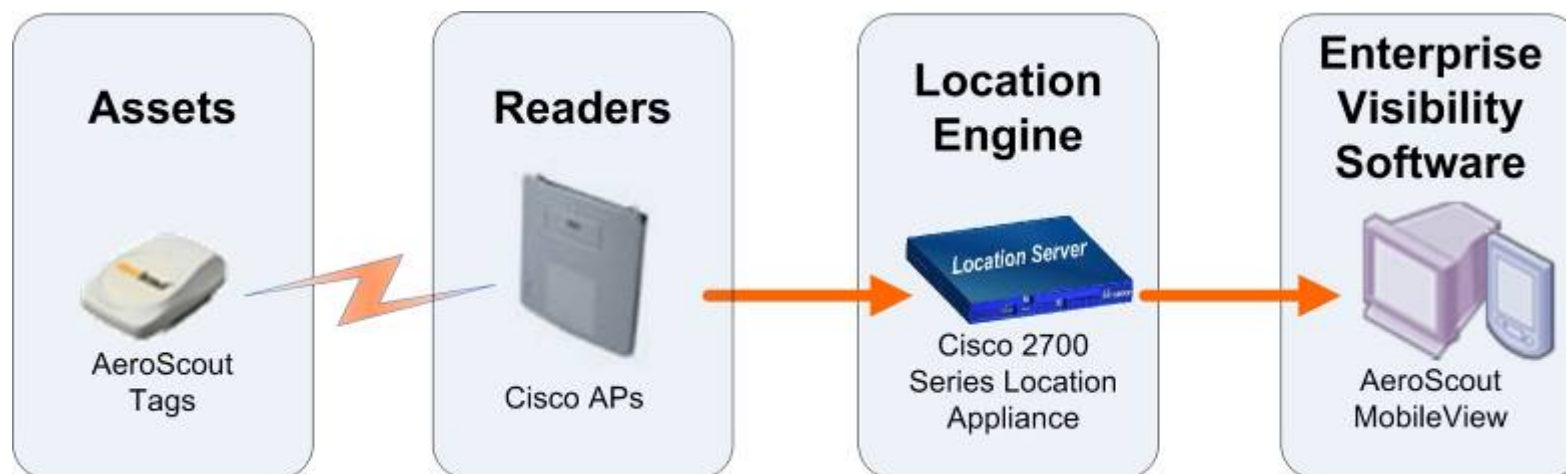
(pump leaving a protected  
zone, overdue for  
maintenance, requiring  
delivery, etc.)

***Integration layer that  
delivers location***

***information to existing  
hospital applications***  
(asset mgmt, perioperative,  
EMR, etc.)



# How does a Wi-Fi-based system work?



- 1) Tags on assets send a tiny wireless signal at a regular interval (MAC address)
- 2) Signal is received by the standard wireless access points, without any infrastructure changes needed, and is sent to an Engine
- 3) The Engine (from AeroScout, Cisco, etc.) uses signal strength algorithm to determine location, and sends it to enterprise software
- 4) Enterprise software uses location data to display maps, enable searches, create alerts, manage assets, etc.

# AeroScout T2 Tags

- ▶ **100% Wi-Fi standards based**
- ▶ **Up to 5 years of battery life**
  - ▶ Longest battery life of any Wi-Fi tag
- ▶ **Non-interference with Wi-Fi**
  - ▶ Includes proprietary Wi-Fi compatible clear channel assessment mechanism
  - ▶ Does not broadcast sensitive data; cannot be used to overload system
- ▶ **Telemetry capability for data transfer**
- ▶ **Call button capability**
- ▶ **Long range**
  - ▶ Up to 200m (600 feet) outdoors, 60m (180 feet) indoors
- ▶ **Flexible mounting options**
  - ▶ Wrist band attachment
  - ▶ Multipurpose tag hanger and backing plate
  - ▶ Additional mounting options: double sided tape, safety pin, belt clip, etc.



# AeroScout MobileView

**AeroScout MobileView is the killer app that turns location data into business ROI.**

- ▶ **Configurable business event logic**
  - ▶ Create alerts based on 7 pre-defined types of location “events” (enter/exit, dwell, call button, overflow, etc.)
  - ▶ Alerting options include email, HTTP post, web services and voice
- ▶ **Intuitive web-based map and location searches**
- ▶ **Flexible input and output**
  - ▶ Accepts location data from AeroScout Engine, Cisco 2700, GPS, Passive RFID, etc.
  - ▶ SOAP APIs for output to 3<sup>rd</sup>-party hospital applications
- ▶ **Supports enterprise deployments (many thousands of assets, clustering, redundancy, etc.)**
  - ▶ Scalable architecture: one MobileView for many sites

