AeroScout®
Enterprise Visibility Solutions

Using Wi-Fi for Location Services

Joshua Slobin, Director of Marketing

March 2007

AeroScout Background

- Based in Redwood City, CA; offices in North America, Europe, Asia, Middle East, Australia and Latin America
- Founded in 2000
- Market leader in Wi-Fi-based Active RFID solutions

Marquee Customers

Selected Partners

Industry Recognition

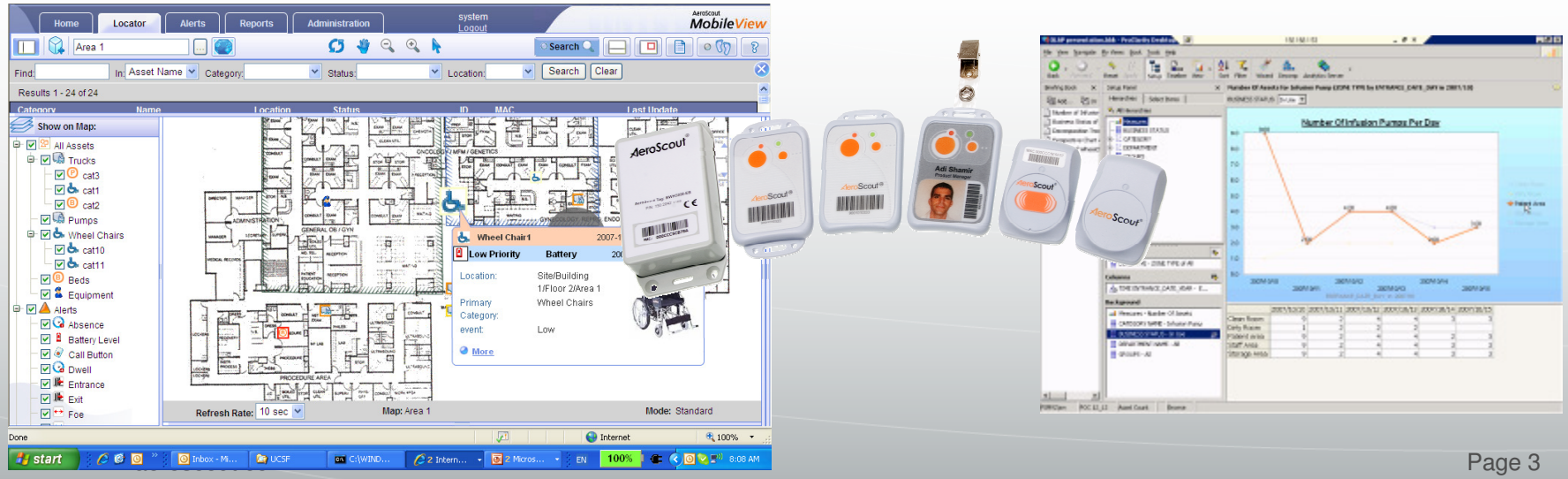
How Does AeroScout Help?

Lack of visibility of high-value assets and people is a pervasive problem.

Organizations in healthcare, manufacturing, logistics and other industries lose millions each year from poor visibility of asset location, status and condition.

AeroScout offers a pervasive solution.

By offering the broadest set of visibility services on a single Wi-Fi-based platform, AeroScout automates business processes and delivers context-aware applications - driving cost savings and improving operations.



Using Wi-Fi for Visibility

AeroScout

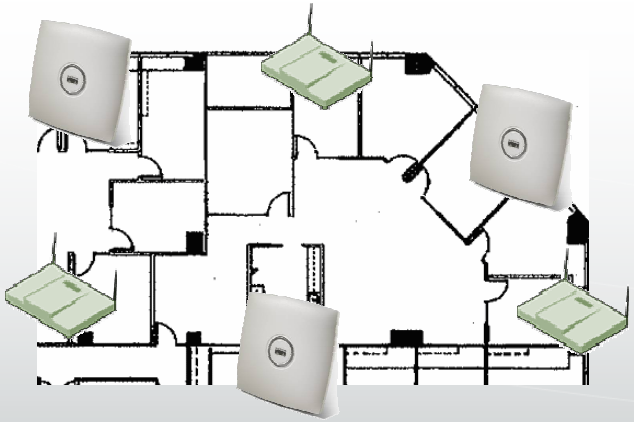
Traditional Infrastructures:

- Each piece of asset data requires its own infrastructure.
- Single-purpose Active RFID readers, wireless sensors, etc. add unnecessary hardware.

+ Data Services

+ Voice Services

+ Visibility Services



+ Overhead, wiring, support

Wi-Fi based Infrastructure:

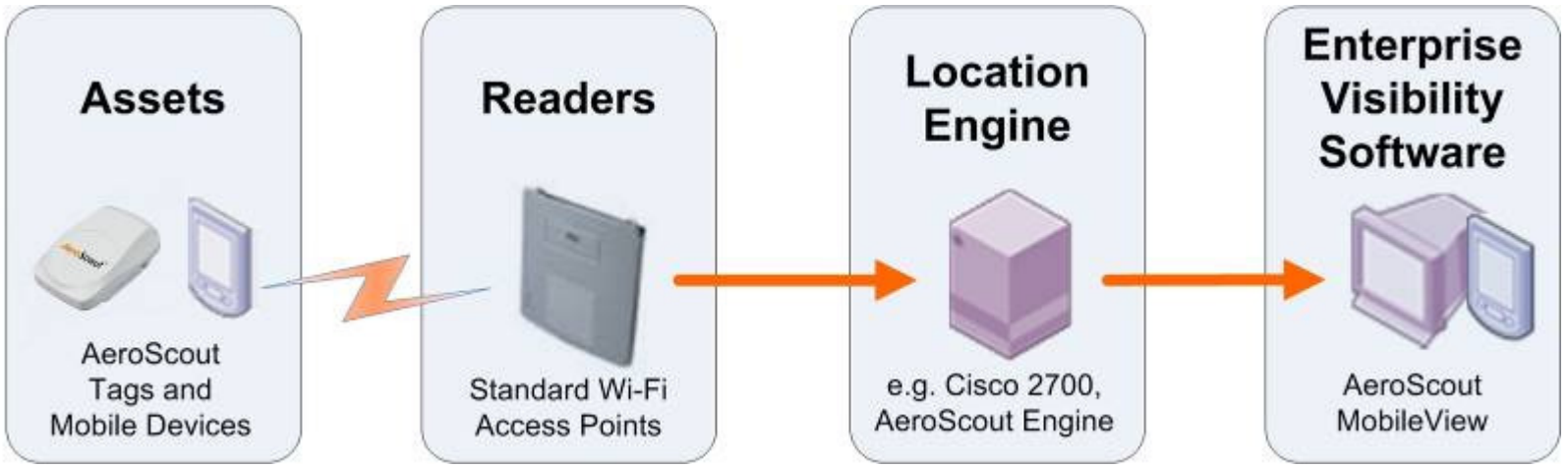
- The existing WLAN *is* the visibility network, often without the need for additional hardware.

+ Data Services

+ Voice Services

+ Visibility Services

How Does it Work?



1) **Active RFID tags and/or standard wireless devices send a tiny wireless signal at a regular interval**
2) **Signal is received by the wireless access points or location receivers, and is sent to an Engine**
3) **The Engine (from AeroScout or Cisco) uses multiple algorithms to determine location, and sends asset data to enterprise software**
4) **Enterprise software uses location and status data to display maps, enable searches, create alerts, manage assets, etc.**

Solution Layers

Channel Partners

etc.

Services / Integration

Application Platform

Location Engine

WLAN Partners

etc.

Network Infrastructure

Tags

New York Presbyterian Hospital

NewYork-Presbyterian
The University Hospital of Columbia and Cornell

Ranked as one of Top 10 Hospitals in the U.S.

Challenges

- Equipment search times for preventive maintenance
- Time consuming inventory management and sterilization processes
- Overall clinical workflow

Solution

- Key assets tagged (i.e., infusion pumps) – rolled out 3,000 tagged assets (plan to expand to 10,000)
- Tags mounted on Sigma pumps
- Call button used to automate pump pick-up calls
- Leverages existing Wi-Fi network

Benefits

- Reduced labor associated with inventory management
- Reduction in equipment search times
- Improved patient care
- Improved regulatory compliance

Freescale Semiconductor

Freescale is one of the world's largest semiconductor companies with 2006 sales of $6.4 billion

Challenges

- Oak Hill Fab in Austin, TX - 200mm
- 4,000 wafer containers (“lots”) move throughout facility between processes
- Every day, hundreds of workers process thousands of steps, each requiring the right lot
- Manual lot searches take ~5 minutes each

Solution

- 4,000 specialized tag fit on lot cases
- Utilizing Cisco WLAN, each lot box is tracked throughout the Fab and pinpointed to the rack it is placed on
- “Tag blinking” function identifies specific lot on the rack
- Integrated to Fab’s MES / process scheduling software
- Users perform searches thousands of times a day

Benefits and Results

- Reduces search time to 1-2 minutes or even seconds
- Overall Fab productivity increased by 6.8%

AeroScout®
Enterprise Visibility Solutions

AeroScout, Inc.

1300 Island Drive
Suite 202
Redwood City, CA 94065

Tel: +1 (650) 596-2994
Fax: +1 (650) 596-2969

www.aeroscout.com