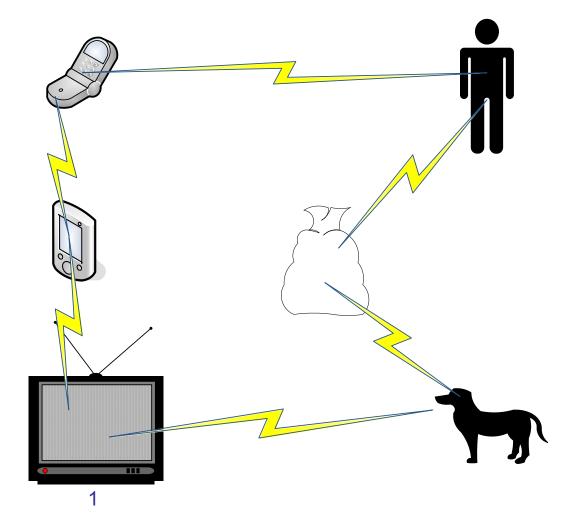
# FIND YOUR "LOVED ONES" FOR \$1 CATION, INC.

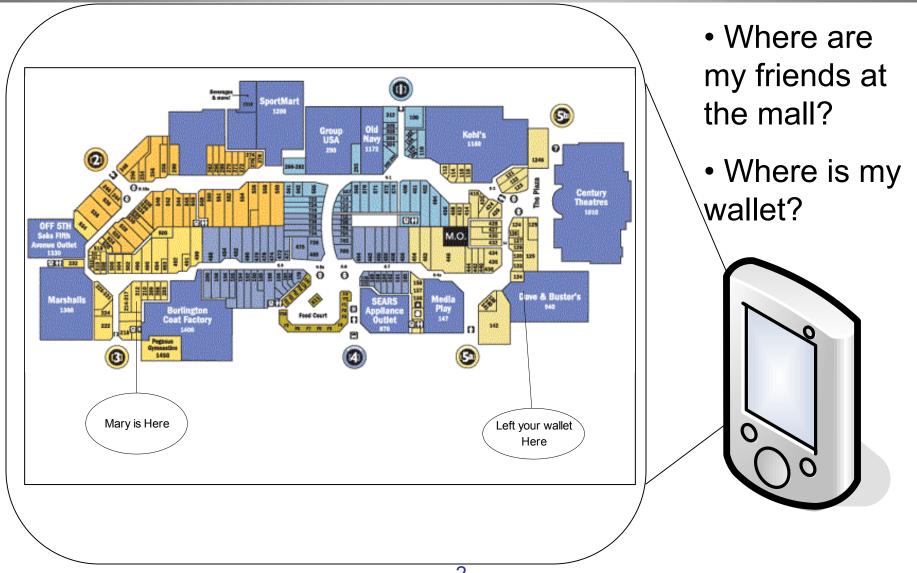
In-Building Location with LPS (Local Positioning System)



#### Æther Wire & Location, Inc.

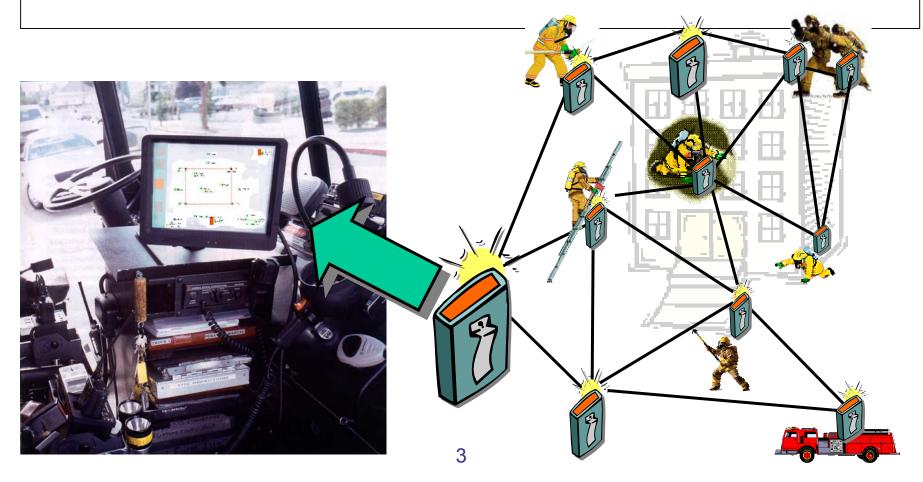
Patrick Houghton – CEO patrick@aetherwire.com (408) 400-0785

### Show Things and People on Mobile Phone WIRE & LOCATION, INC.



## Technology Developed for Personnel Location & LOCATION, INC.

- A network of locators determine their location relative to each other and transmit their location to a command center
  - Can penetrate building materials, commons obstructions, fire and smoke



#### 4

Market Strategy: New Services from LPS

- Mobile Phones & Consumer Electronics
  - Extend GPS reach to find things indoors
  - Sell to cell phone manufacturers through carriers
  - Partner with Mobile System Carriers for new services enabled by LPS
- High Value Asset Tracking
  - Sell to high value asset manufacturers
  - Improve logistics efficiency, lower product loss & improve transport security

#### **\$7B Market Potential**

63% of cell phones have GPS so LPS extends utility of location indoors (1 Billion cell phones/yr.)

New service: Finding people & things you care about

#### **\$1B Market Potential**

Mfgs. Install tag in product for inventory & process control

Cost savings pays for tags

## Market Strategy: Develop Synergies for Future & LOCATION, INC.

- New "Google" for Mobile System Carriers
  - Build partnership with MSCs and Retail
  - Asset Mfgs. Pay MSCs and Retail for POS display traffic data and for upsell to related products & brands
- 1 Billion mobile phones sold per year
- Finding things in virtual space (Internet) enabled new business model (Google and Yahoo)
- Finding things in real-space will also enable new revenue streams
- Operates indoors with 5cm accuracy vs. outdoors with 10m accuracy for GPS

#### **\$10B Market Potential**

Customers search for asset & get location info. from service provider

"Google" for real-space - new advertising revenue potential



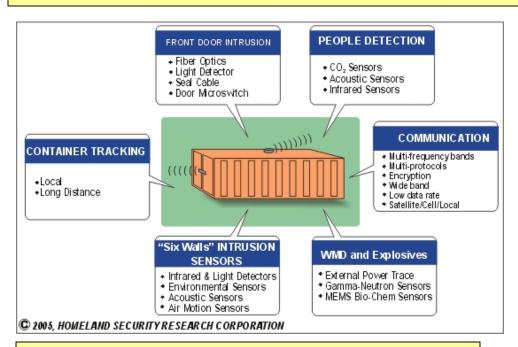
Where is the flat screen display that's on sale today?

What other comparable brands are at this store?

Which brand will give me the best promotion today at this store?



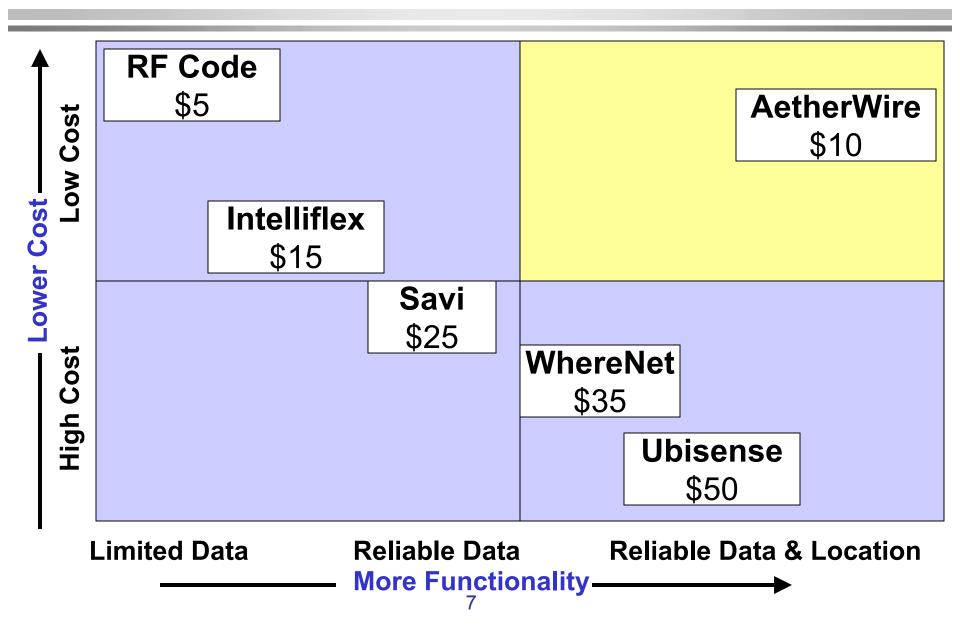
### Hundreds of Millions of devices at ten dollars each



### Early Market Gives Fast Volume Ramp to Drive Down Costs

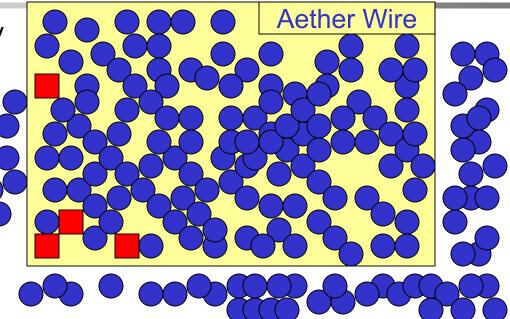
- High Value Assets -Anything that will ruin your day if you lose it
- Active RFID represents almost half of the total dollar volume of the RFID market
- Current Active Tags (no location) \$20 to \$100 each
- Lower deployment costs will increase market size

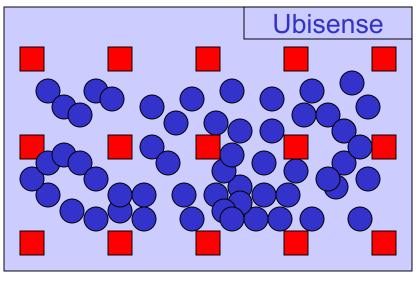
## Location Features at Active RFID Costs & LOCATION, INC.



### Lower Deployment Cost with Aether Wire WIRE & LOCATION, INC.

- Aether Wire needs four randomly fixed points to give 3D location
- Tags (peers) are single silicon SoC, so price can be sub-\$5
- Ad-hoc Mesh architecture can locate tags anywhere as long as within range of other tags





- Ubisense needs Reader every 30m with precise location for 2D location; \$10,000 each = \$180,000
- Tags (Pingers) are discrete, cannot scale to single chip; \$50 each
- Fixed reader controlled architecture can only locate devices inside the network

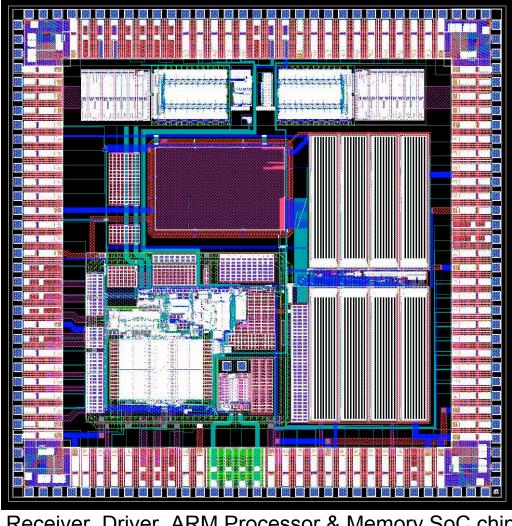


### Single Chip: Next Tape-Out

#### Use of Funds: Transition to Production Single Chip

- Aether10 First single chip radio for 4/07 tapeout (100 die)
- Aether11 Preproduction single-chip radio for 9/07 tape-out (10,000 die)

• Aether12 - Full production single-chip radio for 3/08 tape-out (1 million die)



Receiver, Driver, ARM Processor & Memory SoC chip 9 (Aether10)





### Location Networks

