Asset Location and Reporting Management System (ALARMS)

Wireless Tracking for Pallet Tracking

In the hectic environment of today's workplace keeping track of pallets and assets is difficult. Important pallets or assets can be lost or misplaced and finding them entails using valuable man-hours. The challenges is directly proportional to the size of the operation – the larger the area, the bigger the problem. Automatic tracking of pallets and assets brings benefits to the enterprise by knowing immediately and accurately where to locate them.

ARL wireless real-time tracking solutions let organizations optimize workflows, reduce equipment inventories, and increase operation efficiencies.

ARL uses 802.15.4 radio frequency compliant devices which means the customer's WiFi operation is untouched and the operation of the system will not interfere with any existing infrastructure. Additionally, all communication in the system is done with RF so no additional cabling or wiring is required. The ALARMS system is easily integrated into existing applications to maximize the return on the investment.

ALARMS brings the following benefits to the key applications in the industrial environment:

- Asset management – more efficient and faster location of inventory and appliances
- Equipment management – reduced need for inventory
- Information delivery – improved workflow, reduced errors
- Workflow management – better staff utilization and increased work output
- Improved security – reduce theft

Key Features
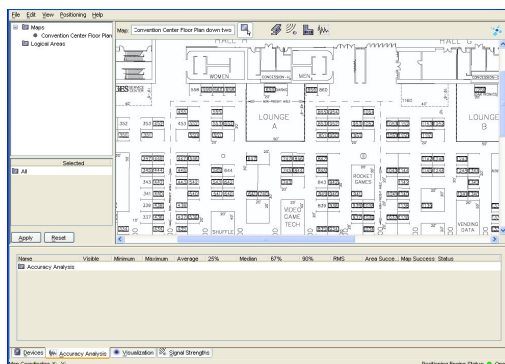
- 802.15.4 compliant – no proprietary hardware required
- Custom graphical front end for ease of use
- Accuracy of approximately 5 feet
- Information provided in real-time
- No limit to number of items tracked
- Historical information retained on movement of items tracked by system
- Database records on all tags
- System comes with standard reports and customizing reports is straightforward
- Easily integrated into warehouse management system (WMS)

As ARL's solutions do not interfere with any existing infrastructure and implementation is straightforward. Using RF components is significantly less expensive than any WiFi or GPS solution for tracking.