

# Honeywell Instant Location Solution



Honeywell's Instant Location Solution (HILS) is an industrial solution harnessing proven identification and location technologies within one easy-to-use solution to locate and track mobile objects in real time. The position of an asset as a new data type can be used to reinforce safety practices, improve security, analyze asset utilization and improve operational and maintenance workflow optimization.

The system is capable of performing in harsh outdoor environments.

### Reinforce Safety Practices

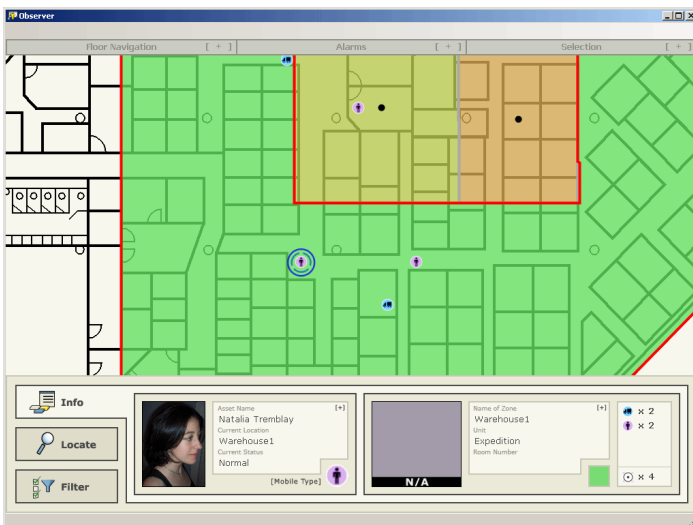
Within few seconds of a major incident, HILS generates real-time mustering reports that allow the emergency team to get an exact head count and accurate location of missing or injured employees. This is made possible thanks to radio frequency based personnel tags worn by the site's personnel.

### Improve Security

HILS will complement your investment in access control and perimeter security by providing a mean to manage your facility's employee and visitor traffic within the plant. The system coexists with Honeywell access cards and digital video cameras already used at your facility.

### Warehouse Management and Operational Workflow Optimization

HILS allows you to quickly locate and track your inventory and valuable assets moving inside and outside the plant. Time spent looking for assets can be dramatically reduced, which can have significant benefits during major turnarounds and new construction projects. The system also allows you to optimize your operational workflow by analyzing the time spent completing various activities by your field operators and contractors.



HILS Manager client allows user to search and monitor assets

The solution integrates the most advanced positioning technologies to help sites locate their personnel and valuable assets in harsh outdoor environments. All devices are certified to operate with the OneWireless™ network, Honeywell's industrial multi-functional mesh network.

The first release of the solution supports a long range precision positioning technology based on 5.8 GHz active RFID tags and receivers. The positioning technology provides very precise location coordinates of mobile assets with multi-year battery life.

## Solution Features & Specifications

HILS is formed from different types of location tags, location receivers and location providers. The location providers connect to the Honeywell's Instant Location System (HILS) Manager.

### HILS Manager

The Instant Location System Manager is a .NET application with key asset tracking components:

- **Observer** - visualize, search and filter assets in map/floor plan or tabular views
- **Inspector** - automatically send notifications and alerts based on user-defined, event-driven business rules including asset location, presence/absence duration and status.
- **Review** – replay the movement of an asset current or historical asset intelligence reports including location, duration, alerts and movement
- **Reporter** - current or historical asset intelligence reports including location, duration, alerts and movement
- **Fundamental** - define, configure and manage assets, tags and spaces and user/role -based security and authentication application access and privileges.

### Real-Time Location System

The location technology selection will depend upon the applications requirements, i.e. location range, location accuracy, location update rate, type of objects being monitored and cost.

Honeywell's location systems include industrial receivers, industrial tags and a location engine integrated to the HILS Manager. Tags, fixed on objects, send RF signals at pre-defined frequencies that are captured by receivers. The location of objects is computed by either using the time difference of arrival

or the received signal strength

Honeywell's Instant Location Solution has the following advantages:

- Universal – the location systems can be implemented in all regions in the world.
- OneWireless certified – all receivers can communicate wirelessly and are certified for the OneWireless network. The receivers can also be connected to a LAN via Ethernet cables.
- Easy implementation - A single platform to integrate various location technologies.
- Adaptable – depending upon the requirements, the system can provide either high precision, one-, two- and three-dimensional location or presence location .
- Excellent performance in high multi-path environments
- Optimized battery life for industrial applications.
- Location ranges varying from 10 to 200 meters line-of-sight and up to 100 meters through obstructions.



Long Range Precision Receivers with WiFi connectivity.

### More Information

To learn more about Honeywell's wireless solutions, visit [www.honeywell.com/ps/wireless](http://www.honeywell.com/ps/wireless) or contact your Honeywell account manager.

### Automation & Control Solutions

Process Solutions

Honeywell

2500 W. Union Hills Dr.

Phoenix, AZ 85027

Tel: +1.602.313.6665 or 877.466.3993

[www.honeywell.com/ps](http://www.honeywell.com/ps)