

System Overview

IntelliFIND



Specialty personnel and contractors are on-site. However, the necessary equipment has not yet arrived. A call goes back to the lay-down yard. There is a problem; the particular piping now needed, cannot be found. The system shows it being received three weeks ago, but personnel cannot locate it.

The contractors are waiting; personnel have been redirected from other duties to locate the missing equipment. Work flow is inter-



rupted, project scheduling has been negatively impacted and personnel have an increased risk of injury as they search through stored equipment and materials.

The options being weighed now are whether to continue looking for the missing piping or reorder. Either option is not ideal. Bottom lines have been adversely affected, as well project scheduling and even staff morale as they forgo regular responsibilities to search through the laydown yard.

Obtaining visibility of equipment and materials is an ongoing challenge for construction and other industry. Basic questions such as; what assets do I have presently, where are they, how do they move and how quickly can I locate them are often left unanswered.

IDENTEC SOLUTIONS, a global technology company that specializes in active RFID based asset track and locate solutions conducted set out to develop a system that would address the needs of large scale construction projects. Since the assets were often moved, it was essential that the track and locate technology be dynamic. The sys-

tem had to be easy to deploy in nearly any environment, and cost effective. It had to be reusable and be able to withstand harsh indoor and outdoor environments often associated with laydown yards.

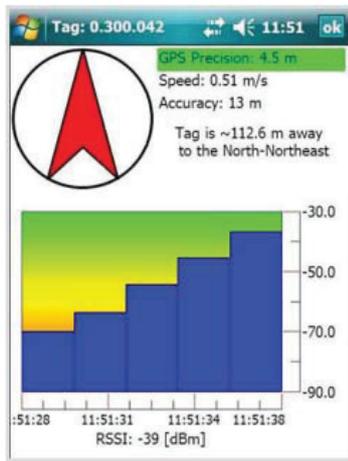
Branded IntelliFIND, IDENTEC SOLUTIONS developed a system that utilized best of breed technologies including the company's proprietary and patented Intelligent Long Range Technology (ILR). Introduced in 1997, ILR had long set the industry standard for extended read ranges, and robust features such as complete reliability in areas that have considerable metal and glass obstructions. By also utilizing GPS technology in the solution, IDENTEC SOLUTIONS was able to deliver a complete solution that not only offered total visibility, but eliminated the need for time consuming paper tracking and documentation.

Testing of IntelliFIND has been conducted by the Texas based Construction Industry Institute, where IDENTEC SOLUTIONS' IntelliFIND track and locate system was found to be 8 to 10 times faster when compared to other manual methods.

This is how IntelliFIND works.

When equipment arrives at the laydown yard, it is tagged and provided with a unique identification code that is then entered into the computer – or Position Server, the assets are then stored. The worker then accesses the inventory list and selects the needed equipment or material to be located, forwards the information to a handheld reader and walks through the area containing the tagged assets. An arrow on the screen of the handheld reader points him or her towards the selected asset. When in close proximity, the handheld then indicates the distance and issues audible alerts that accurately guide him to the equipment.

The easy to use handheld reader utilizes a screen application that displays red dots that



identify tag/asset locations, while a moving blue dot shows the users location. Further information on the tagged asset can be obtained by clicking on the red dot.

IntelliFIND allows for easy sort and search of assets. For instance, you can create a pick ticket by simply specifying the number and selecting the asset from the listed inventory. The pick ticket is then printed out or sent to a handheld for on-site "picking". The IntelliFIND interface also allows for the easy update of an asset attributes viewing and the quick managing of exceptions.

With a handheld reader there is no need for cables or connections - which can be damaged or misplaced. Tags are extremely rugged, designed specifically for harsh environments with an impressive IP65 rating.

The flexibility of IntelliFIND allows for the instant upload of new maps or site plans, and absolutely no infrastructure is required to un-install or leave behind.

The benefits of an IDEN TEC SOLUTIONS' IntelliFIND deployment are extensive. Obvious benefits such as Total Asset Visibility in an accurate, highly robust and scalable system and quick return on investment are instantly recognized. However, IntelliFIND is also internet based for enterprise scalability, provides location and dwell time reporting,

bar charts and mapping features, health monitoring of readers, Interactive data filtering, sorting and searching, as well as Project and work order integration to authorize yard activity.

Other less tangible benefits include increased employee moral since personnel are able to focus better on assigned tasks, meet scheduling deadlines and avoid injury – all issues associated with a manual system.

Since its release, IDEN TEC SOLUTIONS' IntelliFIND has become the asset management tool of choice with many of the world's largest construction companies including General Electric, Siemens and Bechtel. Recognized by the Construction Industry Institute, IntelliFIND is quickly setting the industry standard.

IDEN TEC SOLUTIONS has been setting the industry standard in active RFID systems since 1997. Headquartered in Lustenau, Austria, and with office throughout the globe, IDEN TEC SOLUTIONS' system is utilized in the oil, gas and mining, construction, and automotive industries. IDEN TEC SOLUTIONS' technology is often utilized by other leading organizations such as McKesson and Hothead Sports to deliver innovative solutions.



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