



FALKEN Secure Networks offers a powerful way to automate and streamline the tracking of tools and dies within the plant and for loans to other locations. Besides the full visibility, an increased availability of the devices is achieved.

RFID for Equipment & Tools, Asset Tracking

Whether it's a drill bit, gauge, die, an engine hoist or a piece of laboratory-testing equipment, an enterprise needs to know where it is, who's using it, and when its service life expires.

Any item used in a work process is eligible for intelligent-asset management with radio frequency identification (RFID). And the return on investment can be substantial. Whether you're a construction company tracking assets on one or more sites, a testing and maintenance facility managing assets within your own building, or a hospital tracking high-value medical equipment, keeping track of the variety of items of all shapes and sizes can be a daunting task.

FALKEN Secure Networks (FSN) solves this problem by considering the specific needs and flow of each type of asset. Items in an outdoor environment might require a mobile tracking network that locates equipment within its periphery, or perhaps just a handheld RFID reader to detect misplaced tools around the site. If you're indoors, FSN may begin by determining chokepoints that will allow you to most effectively monitor the movements of assets. And sometimes an asset check-in / check-out system is the best solution whether you're indoors, outdoors or both. For manufacturing operations utilizing robotics, a RFID system will identify which mechanical hand is attached to a robot arm. In any case, FSN Solution Architects and Radio Engineers will analyze your specific situation to determine the best tracking infrastructure and total solution.

An example of such an implementation is General Dynamics Land Systems for their Lima, Ohio facility. Roll out occurred in 2006.

General Dynamics Land Systems identified the need to better manage tools in and out of their tool room at their Ohio facility. In particular, they wanted to identify and locate and then assign these valuable tools to the person who takes them. Most importantly, the system needed to be automated and able to read these transactions without having to man the tool room. An automated tool tracking system, using RFID (Radio Frequency Identification) technology, has added to productivity.

This RFID-enabled automated solution now accounts for the movement of tools in and out of the tool room without having staff employed to manage it. By integrating RFID tags for both the tools and the users, each tool's movement is tracked by the RFID readers and then assigns the tool to the user and

provides for a series of look-ups and reports. The system integrates signal lights and alarms to ensure accurate reading of the tags.

FALKEN Secure Networks believes that RFID offers the easiest and most effective way to manage industrial tool rooms.

FSN's robust software with integrated middleware from Omnitrol Networks, effectively and efficiently aggregates all incoming data from the RFID Readers for your equipment and tools regardless of your tracking environment or situation and automatically executes actions based on customer-defined business rules. Our comprehensive application provides everything from simple data, like asset location, description and status, to more complex business-oriented information, such as workflow rules and asset grouping, as well as exception and security alerts. It also includes reporting capabilities that allow you to quickly and easily analyze essential data about any or all of your items. Integration with your Enterprise Inventory Management System or ERP system can also be implemented.

If a combination of barcode and RFID is in your best interest, FSN's experts can work with you to determine the best use of each technology, as well as the optimum RFID tags for the often troublesome metal assets. FSN's solution is unique in that it can handle both tracking methods simultaneously (Barcode and RFID), which also allows for graceful migration and rollout for projects and easy upgrades should your needs ever change.

FSN's RFID-enabled asset tracking and supply chain management solutions improve the visibility, accuracy, security and utilization of a company's mobile and fixed assets. Its end-to-end solutions combine highly configurable and patented software and implementation services with hardware from leading RFID, barcode, GPS and sensor technology providers. Real-time asset location, condition and alerts result in more efficient use of inventory, improved utilization and reduced operating costs.



Tag directly on the tool box



Tag directly on the tool

In just about any setting, RFID can be a powerful solution. With stationary and mobile readers installed throughout a facility, RFID is always on, freeing-up personnel for more critical tasks. An enterprise-class, WiFi network(or Ethernet) can establish a seamless link between RFID and an enterprise's Information Technology architecture, minimizing data-entry lag-time, human errors and infrastructure costs.

FALKEN Secure Networks(FSN)—Your partner for RFID automation

If you choose to pursue RFID implementation in your organization, here is the FALKEN Secure Networks commitment to you:

- FSN will provide solution architects to work with you to define system requirements for your particular installation. Multiple locations can be networked together for a central and real-time view and centralized management.
- FSN will do a RFID site survey to validate radio frequencies, tag types, system design and performance
- FSN will provide all necessary hardware and software to make the system work for you
- FSN will integrate the system with your existing enterprise management software
- FSN will provide documentation for the system, including operating procedures
- FSN will train your people
- FSN will provide warranty and continued system support

For RFID-enabled Document Tracking and Management, FALKEN Secure Networks (FSN) and partners bring together the right technologies to give you control over your files and make your office run more efficiently. Our automated and secure processes save time and labor, and prevent problems before they occur. With FSN ,you get the latest, non-proprietary secure RFID technology with the most powerful and flexible RFID file tracking software available.

Contact Us

FALKEN Secure Networks is a specialized System Integrator, RFID Solution Architect, and Value-Added Reseller with focused expertise in the RFID site survey, cost-effective design, and turn-key project implementation.

Contact FSN at sales@falkensecurenetworks.com



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