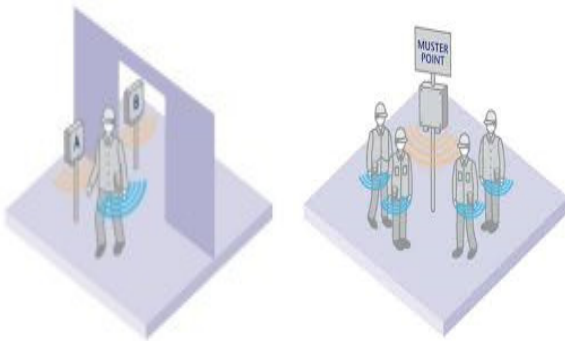




## People Tracking System



RFID technology provides immediate visibility of personnel, assets and other items by passively tracking movements and locations real-time.

SmartTraxx database management systems optimizes the management of all categories of people, from staff to visitors, and corporate assets, from plant and equipment to facilities. The totally integrated solution combines a powerful person registry system with RFID technology to track arrivals and departures, and even exact locations in facilities or on grounds.

- Track arrivals and departures
- Track locations real-time
- Control access with security features
- Maximize Asset Accountability
- Track people, assets and documents
- Tracks parts, materials and tools



CLOSE PROXIMITY DOOR SENSORS ARE MOST COMMONLY UTILIZED TO CONTROL ACCESS AND TRACK MOVEMENTS. HOWEVER, CLOSE PROXIMITY SYSTEMS ARE FUNDAMENTALLY FLAWED IN THAT A SINGLE PERSON CAN OPEN A DOOR AND MANY PEOPLE CAN THEN PASS THROUGH THE DOOR WITHOUT DETECTION.

PERSONNEL MUSTERING SOLUTIONS TYPICALLY REQUIRE THAT STAFF FOLLOW POLICIES AND PROCEDURES AND PROCEED TO SPECIFICALLY DESIGNATED MUSTERING POINTS. IN CASE OF A REAL DISASTER, STAFF AND VISITORS CANNOT BE DEPENDED-UPON TO PROCEED TO MUSTERING POINTS. WHEN PEOPLE FEAR FOR THEIR SAFETY, MUSTERING POLICIES ARE ABANDONED.

RFID IS PASSIVE TECHNOLOGY THAT TRACKS PEOPLE IN OR OUT OF FACILITIES SO THAT POLICY-DRIVEN MUSTERING POINTS ARE NOT REQUIRED, AND FIRST RESPONDERS WILL KNOW EXACTLY WHO NEEDS HELP AND WHERE THEY ARE LOCATED. RFID ENABLES ANY TYPE OF ITEM OR PERSON TO BE PASSIVELY TRACKED THROUGH CHOKE-POINTS OR REAL-TIME

# RFID Radio Wave Technology

Radio wave detection zones track people and assets real-time. UHF, Active and WiFi are the industry standard technologies for 'best-practices' tracking, accountability and chain-of-custody.

## UHF RFID

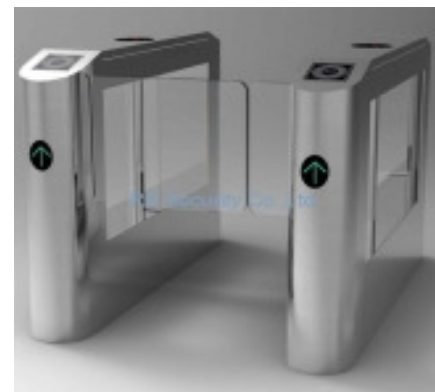
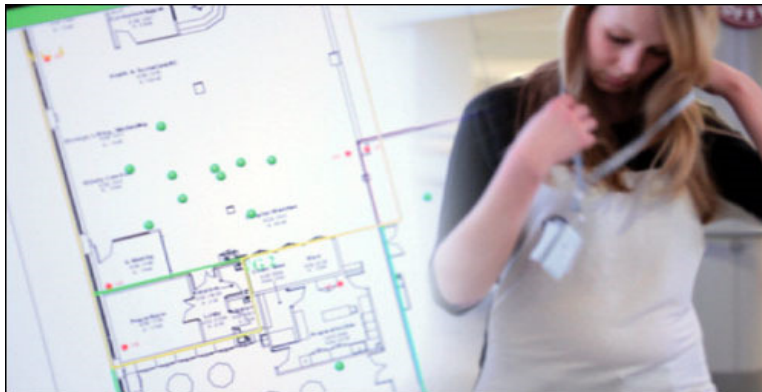
UHF operates on 915 MHz frequency and enables items and people to be tracked through choke-point detection zones and with portable scanners. UHF is well suited for 'last point detected' but not for real-time tracking.

## Active RFID

Non-proprietary Active RFID generally operates at the 433 MHz frequency. With active RFID, items and people can be tracked within a circumference of approximately 500 meters or within any defined range.

## WiFi RFID

802.11 RFID WiFi tags can be placed on assets or people and existing or installed WiFi access points will detect the locations of items and people within the parameters of the detection range of WiFi access points.



## Portable Scanners

UHF RFID scanners transmit radio waves approximately 7 meters and are utilized to track items to storage locations, to and from circulation...and also to inventory items in circulation. Missing items can be found, similar to a metal detector finding metal objects. Active RFID scanners have a range up to approximately 500 meters, for rapid inventories and to find missing items or personnel.

## Network Scanners

UHF RFID scanners are intended to saturate a choke-point to track movements of people and items within zones. Active RFID and WiFi scanners can be calibrated for short or long read distances, and are more frequently utilized for real-time visibility of all people and items across wide areas indoors or outdoors, while also being able to track movements to exact rooms and locations.



## Security Features

Each time staff or RFID tags are identified at a detection zone, the SmartTraxx database reconciles the RFID tag data against business rules, and RFID detection zones can trigger alarms, flashing lights and video cameras to ensure that people only access approved areas and assets are not moved or removed from premises in an unauthorized manner. SMS text message and emails can automatically route to designated recipients.

## SmartTraxx Database Management Software

SmartTraxx is enterprise-class database management software optimized for people and asset management, and is customized for each customer through collaborative requirements analysis. SmartTraxx establishes a registry of all staff, visitors and assets and passively tracks movements of unlimited people at a time, overcoming the inherent weakness of close-range access control systems.

A single instance of SmartTraxx supports unlimited data views for types of items and classifications of people, with unique data fields, workflow and reporting for each data view. Track personnel, visitors, documents, vehicles, tools, parts, inventory, supplies, goods-in-process, goods or anything imaginable.

SmartTraxx can integrate with host systems via network folder, HTTP Invoker or Web-Services. SmartTraxx is available as a hosted 'cloud' solution or can be installed on local server(s). Windows, Linux and Solaris operating systems and SQL-SVR, MySQL and Oracle databases are supported.

## Features and Benefits

- ▶ Parent/child database schema
- ▶ Attach photos to database
- ▶ Integration with host systems
- ▶ Unlimited database data views
- ▶ Prints RFID ID cards and labels
- ▶ Passively track all people at all zones
- ▶ Unlimited reports and reporting
- ▶ Track with radio waves or bar codes
- ▶ Maintains status from acquisition to disposal
- ▶ Automate inspection schedules
- ▶ Track maintenance events
- ▶ Automate maintenance agreement cycles
- ▶ Prevent unauthorized movements
- ▶ Track staff and visitor certifications

