

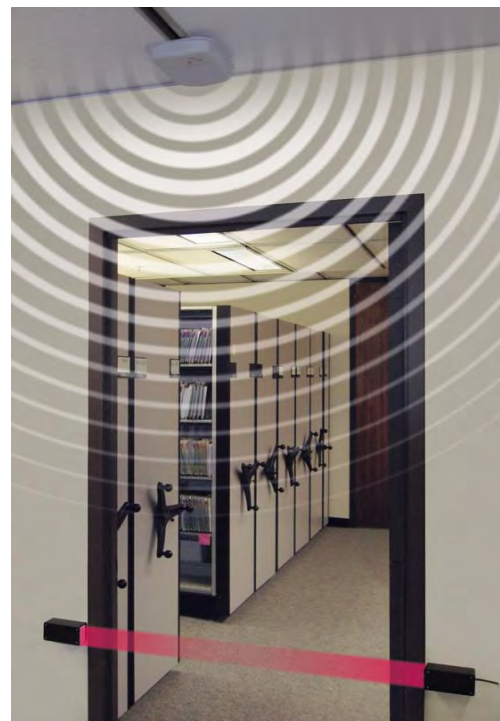
# Centralized Item Management



## SmartTraxx for Managing Repositories of Items

**Records – Assets – Evidence – Weapons/Gear – Surgical Supplies – Museum Artifacts**

In many organizations, items are stored in centralized repositories, enabling items to be tracked as they travel into or out-of repository doorway(s). SmartTraxx RFIDS SmartDoorways include motion sensors located on each side of doorway(s) that turn-on RFID antennas to detect people and items. Turning on antennas only when someone is traveling through the doorway eliminates unwanted detection of items passing by, but not through, the doorway, and, minimizes the amount of RFID radio waves that are emitted throughout the day. The motion sensors also establish the direction of travel (IN or OUT of the repository), based on which motion detector was triggered first, and which was triggered secondly. Items traveling IN to the repository are automatically transferred to IN the repository within SmartTraxx database. Items traveling OUT of the repository are automatically tracked to the person's ID card, or, to the person that Requested the item and/or for which the item was Requested, along with the time and date. RFIDS SmartDoorsays can also be placed at elevators, stairwells, facility entrance/exits, etc., and can include alarms, flashing lights and/or video camera for access controls.



SmartTraxx SmartOffice Detectors can be placed above ceiling tiles or on walls in proximity to office doors, elevators or stairways etc. and will automatically detect and track items as they move through strategically deployed RFID 'choke points'. Whereas RFID antennas around doorways will automatically and passively track items as they move In or Out of repositories, some organizations also utilize SmartOffice RFID detection zones to provide location tracking once items are in circulation. An important consideration is to ensure that the exact locations determined by SmartRFIDDoorways are not overridden with general locations based on SmartOffice detection-zones.

***“item tracking, accountability and chain-of-custody”***

## Tag – Index – Identify – Track – Find – Control



RFIDSmartDoorways provide automated, passive control of the movement of items and people through repository doorways. However, items often move from person-to-person or place-to-place once the items are in circulation. Further, many organizations require a complete chain-of-custody over time...not just when items went IN to or OUT of the repository...but also where the items were located over time. To provide granular location identification, and to reflect their movement of items from person-to-person / place-to-place, most SmartTraxx customers utilize portable RFID scanners can be utilized to rapidly inventory items-in-circulation, rather than deployment of SmartOffice detection-zones. RFID scanners scan both RFID and bar code labels. To inventory a location, a bar code representing the location can be scanned, or the location can be selected from a drop-down list on the scanner's software. The scanner's pistol grip can then be pulled to turn-on the RFID radio waves, which propels radio wave out in circular patterns for approximately 20'. Each item at the location is detected, which updates to the database when the scanner is connected to a computer's USB port. Location inventories typically only require approximately 30 seconds per location.

SmartDetector portable RFID scanners can also be utilized to FIND missing items, similar to a Geiger Counter. One or more missing items can be entered on the scanner, and the scanner pointed around offices, repositories or wherever items are located. The scanner will BEEP when the item is detected, and will beep faster or slower as User gets closer-to or further-from the item.

RFID tags and labels are available in many sizes and styles, from the size of a dime to about any size required. Different styles of tags are designed for different types of items. There are two primary styles of tags: 1) traditional style flat labels that adhere to folders, boxes, assets or similar items, and 2) labels that are built-in to tags that are raised on a foam material for placement on metal items or containers of fluids. Labels can be provided with random or sequential numbering and/or tags can be printed on thermal or sheet printers, including the ability to print the labels based on data in the database, such as item #, item description, company, etc.



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**SmartTraxx is locally distributed and supported by:**



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