





Tracker IoT LLC

Software, Tracking and Security Technologies

Providing weapon tracking systems since 2007

First RFID weapon tracking system delivered in 2009

Supports multiple tracking and security technologies

Proven and mature through prior experience

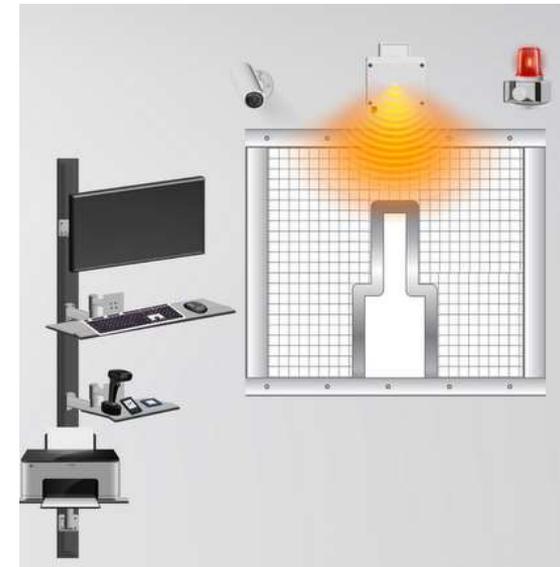


Executive Summary

TrackerIoT staff have been delivering military and law enforcement solutions for tracking items and people since 2007, with specialization for weapons/gear and ammo. Starting with all weapons, gear and ammo issued to embassies and agents globally by the U.S. Department of State. Since then, we have implemented armory management / weapon tracking solutions for many military and law enforcement customers in the United States and deployments globally. Additionally, we provide a wide array of tracking solutions utilizing software, barcoding, RFID, and GPS to tag, track and manage the items and people within military and law enforcement organization, including weapons/gear/ammo, seized evidence/property, office and industrial assets, items in warehouses, parts and tools and any other application for tagging, tracking and managing people and items. We provide armory management solutions including manned armories and unmanned armories, with the software and hardware required to optimize solutions.

Our armory management system includes:

- **Tracking and managing all weapons, gear and ammo in an armory, warehouse, depot or training facility/firing range.**
- **Support for barcode, RFID (radio wave) and GPS/GSM tracking technologies.**
- **Personnel authentication by ID #, ID card scan, fingerprint or facial recognition/eye scan.**
- **Track Issues and Returns with tracking stations optimized for in-armory, at window or at door Issue-Return locations.**
- **Validate transfer of custody through electronic signatures or PIN #.**
- **Know the complete history of all items from acquisition through final disposition.**
- **Schedule and perform test firing, inspection, cleaning and maintenance cycles.**
- **Detailed chain-of-custody / historical records of all events related to weapons, gear, ammo and personnel.**
- **Complete reporting capabilities to all requirements.**



Representative Customer References



Orange County Department of Corrections

The Orange County, Florida Department of Corrections includes 4,500 jail sales and 600+ security personnel providing security for all facility buildings, the hospital where inmates received medical care and the Courts where inmates have legal hearings. Utilizes workstation computers with USB RFID-barcode scanner and electronic signature pad, and tablet PC's with mobile scanner, to perform Issue/Turn-in transactions, inventories, audits and to find 'missing' items. IoTWeaponTracker automates operations and eliminated spreadsheets and forms.



U.S. Army

Joint Base Lewis–McChord includes Army and Air Force staff and is a training and mobilization center for all services and the only Army power projection base west of the Rocky Mountains in the United States. IoTWeaponTracker replaces manual process and paper-based forms with computer-based tracking of weapons, gear and ammo, with real-time software intelligence to ensure that Issues / Turn-ins follow required security and tracking protocols. System includes multiple, complex forms that are auto-generated by the system and that can be viewed, printed and emailed to Command.



U.S. Space Force

The United States Space Force in standing-up its operations discovered that the methods and operational practices for the management of weapons, gear and ammo were outdated and inefficient. Based on the significant prior experience of TrackingSystems^{IoT}, the Space Force selected IoTWeaponTracker for implementation for modern armory management. System includes software, management of officer assigned weapons and weapon certifications, RFID automated Issue-Return processes, transfer-of-custody tracking and RFID inventories, with full support for tablet computing.

Representative Customer References



Tustin Police Department

The Tustin Police Department has multiple storerooms and armories for storage and management of an extensive array of weapons, gear, ammo, drones and related items pursuant to their operations. Implemented computerized and mobile computing solution to enable all storerooms and armories to label, track and manage all of their weapons and tactical items. Solution is installed on on-premises server and workstations and/or mobile devices at each armory and storeroom to enable full identification, inventory and tracking functions. System utilizes barcode and RFID technologies.



Shelby County Sheriff's Department

Military and Law Enforcement have many items, personnel and/or vehicles that they would like to identify, track and manage. Including weapons/gear/ammo/, documents/files/archives, office and industrial assets, items in warehouses, parts and tools and other items. Shelby County utilizes IoTFileTracker to label, track and manage file folder records related to Warrants and Orders of Protections. The documents related to these law enforcement processes are critical operationally and legally. Shelby County Sheriff's Department manages all aspects of file management with the IoTFileTracker solution.

Israeli Defense Forces

Implemented specialized tamper-proof RFID tag that secures to weapons and prevents unauthorized removal of the tag. Enables tracking the weapon with RFID antennas and alarms at exit points to prevent weapons from being removed from an armory in an unauthorized manner. The tag includes special security features that prevents the weapon identification number from being deleted or changed. The tamper-proof RFID tags provides the Israeli Defense Forces enhanced security and accountability to improve armory operations.



Reference Letter – U.S. Army



DEPARTMENT OF THE ARMY
HEADQUARTERS, JOINT BASE LEWIS-MCCHORD
1010 LIGGETT AVENUE, BOX 339500, MAIL STOP 1AA
JOINT BASE LEWIS-MCCHORD, WA 98433-9500

14 November 2024

System Confirmation Letter

Joint Base Lewis-McChord (JBLM) is a military base in Pierce County, Washington that serves as a training and mobilization center for all branches of the US military. It was established in 2010 by merging Fort Lewis and McChord Air Force Base and is home to the 62nd Airlift Wing and I Corps. JBLM's 413,714 acres include 90,283 acres at the base and 323,431 acres at the Yakima Training Center.

Given the size of the base and the requirements for base security, security officers are provided ammo, gear and weapons for duty cycles for the various posts as designated by Command. Security officers must maintain safety of personnel, assets and property, and it is critical that we are able to rapidly issue the equipment required by security personnel going on duty, and return items to the armory when personnel return the items after their duties have been completed.

The Directorate of Emergency Services on JBLM, implemented the WeaponTracker for RFID and barcode technologies to identify, manage, track and maintain all equipment utilized by security personnel. The system required special modifications to meet the base's requirements for us. The system meets our requirements and the support that we receive has been excellent.

Sincerely,

A handwritten signature in black ink, appearing to read "Joseph B. Allen".

Joseph B. Allen
Lead Armorer
Directorate of Emergency Services
Joint Base Lewis-McChord, WA 98433
Phone number:253-966-8790

Reference Letter – Orange County Corrections



August 12, 2024

To whom it may concern,

Orange County Department of Corrections (OCCD) operations include approximately 1,100 sworn officers managing nearly 4,000 jail cells across a 75-acre site, as well as the provision of inmate supervision at hospitals and courts.

WeaponTracker, of TrackingSystemsIoT, was selected through a Sole Source method of purchase due to its proprietary platform and custom interfaces. The system was implemented for two (2) armories and a training facility, and includes networked software, mobile scanners, tablet PC's, electronic signature pads, and RFID/Alarm at armory exits to prevent unauthorized weapon removals.

OCCD has approximately 90 item-types, including lethal weapons, weapon attachments, non-lethal weapons, tactical gear, magazines and ammo. Weapons are managed using RFID weapon tags. Other items, with serial #'s, were labeled with 2D barcodes. Items without unique serial #'s are managed using 1D barcodes.

The implementation occurred in February 2024 and operates as outlined in the Statement of Work and documented requirements. If you have further questions regarding the functionality utilized at Orange County FL, you may feel free to contact me.

Sincerely,

A handwritten signature in black ink, appearing to read "Kenroy", with a horizontal line underneath.

Kenroy Ellis
IT Project Lead
Kenroy.Ellis@ocfl.net
Orange County Government

Reference Letter – U.S. Space Force



21 August 2024

Re: Armory Management Weapon Tracking System

The Space Systems Command (SSC) is a subordinate unit of U.S. Space Force, and is the center of technical excellence for developing, acquiring, fielding and sustaining military space systems. SSC's mission is to deliver resilient and affordable space capabilities. The center is responsible for on-orbit check-out, testing, sustainment and maintenance of military satellite constellations and other Department of Defense space systems.

SSC researched modern weapons/gear/ammo tracking system to improve the speed and accuracy of equipping security personnel for duty and the return of the items after duties have been completed. SSC selected WeaponTracker, an armory management system developed by TrackingSystemsIoT, for implementation at the Los Angeles Space Systems Command.

The system utilizes a wall-trak unit mounted on the wall next to the Issue / Turn-in window. The unit includes RFID-barcode scanner, electronic signature pad, printer, keyboard-mouse and a large touch monitor that articulates and angles for convenient usage. We also implemented a mobile scanner to increase the speed of performing inventories and audits, as well as the accuracy of tracking the items being Issued and Returned.

WeaponTracker was designed the way we needed it to perform, including specific forms required by the U.S. Air Force for armory accountability. The system was professionally installed and our staff were trained on the systems usage. TrackingSystemsIoT performed to high standards for these duties, and thereafter has provided excellent support.

Sincerely,

A handwritten signature in black ink, appearing to read "S. Bibb", written over a white background.

Shelby D. Bibb, SSgt, USAF
NCOIC Armory
U.S. Air Force

U.S. Space Force

Space Systems Command

U.S. Department of State Export Authority



United States Department of State

Bureau of Political-Military Affairs
Directorate of Defense Trade Controls
Washington, D.C. 20522-0112

FEB 25 2016

In Reply refer to
DDTC Case CJ 0933-15

YOUR SUBMISSION DATED: December 16, 2015

COMMODITY JURISDICTION DETERMINATION FOR: **Armory
Management System**

The software described in your submission is the Armory Management System, which establishes a registry that maintains an inventory database of radio frequency identification tagged equipment (weapons).

A technical review of your commodity jurisdiction (CJ) request has been concluded by requisite agencies of the United States government. The findings of that technical review are:

The Department of State has determined that the **Armory Management System is not subject to the jurisdiction of the Department of State.** However, the item is subject to the Export Administration Regulations (EAR) administered by the Department of Commerce, Bureau of Industry and Security (BIS), which advises this item is classified as EAR99. Should you require information on how to satisfy the applicable regulatory requirements of the EAR, please contact the BIS Office of Exporter Services at (202) 482-4811.

If you require further assistance on this matter please contact Travis W. Schultz at (202) 663-2918 or Schultztw@state.gov.

Sincerely,

C. Edward Peartree
Director
Office of Defense Trade Controls Policy

Technical Topology



SERVERS

DATABASE BACKUP APPLICATION TEST/DEV

- Available as on-premises solution
- Available as cloud-hosted solution
- LDAP/Active Directory Supported
- API Integration with back-end systems

NETWORK SWITCH



COMMAND CENTER



WAREHOUSE AND ARMORIES



SERVERS AND WORK STATIONS FOR ISSUES, TURN-INS AND ADMINISTRATION



RAPID RESPONSE VEHICLES



PERSONNEL



TRACKING & SECURITY DEVICES



Network reader and antennas for doorways and windows



Alarm/Lights to prevent unauthorised movements



USB RFID Barcode scanner for quick-scan Issue & Returns



Fingerprint scan to authenticate personnel



Electronic signature to validate custody turn-over



Mobile scanners for Rapid inventories



Video cameras for visual security

Experts in Armory/Warehouse Setup

Storage, Tracking, Accountability, Compliance and Security





IoTWeaponTracker Command Center Software



Turn-Key Armory Management and Weapon Tracking



Armory Management

- Complete armory management
- Tracking weapons, gear and ammo
- Monitoring weapon maintenance
- Monitoring personnel certifications & status



Storage Systems

- Storage systems for weapons, gear and ammo
- Mobile high density storage systems
- Maximize storage capacity
- Fast and easy retrievals and put-backs



Intelligent, Electronic Storage Systems

- Storage systems for weapons, gear and ammo
- Personnel authentication by biometrics and ID card
- RFID auto-tracking built into system
- Armory management for self-service and armorer-manned environments.

The WeaponTracker Process



Computerized
Registry and
Database



Authenticate
Personnel



Automated
Transfers and
Returns



Validate Transfer-
of-Custody



Inventories,
Audits and Find
Missing Objects

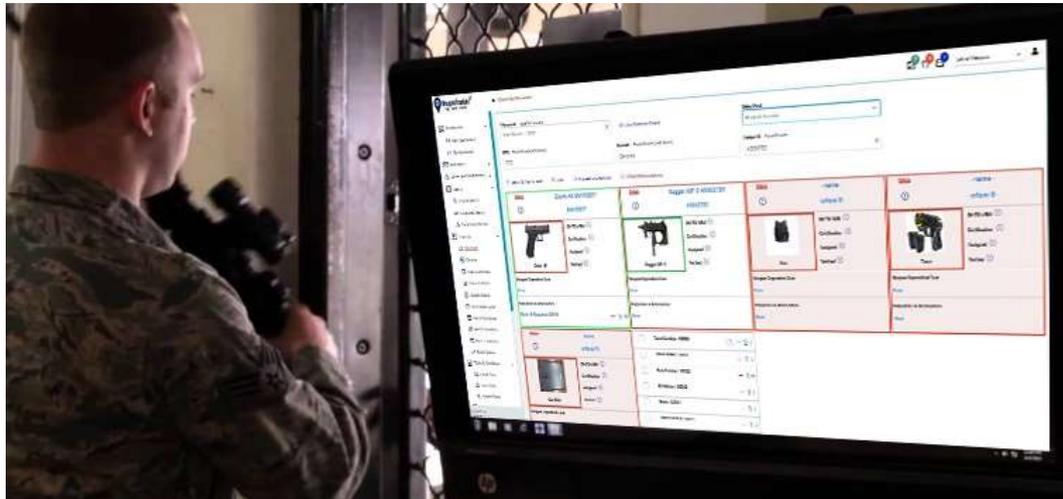


API's and tools for
Integration with
backend databases

**Armory and Warehouse Management
Best-Practices, Accountability, and Security**



IoT Weapon Tracker Armory Software



Armory Management Video U.S. Air Force Base

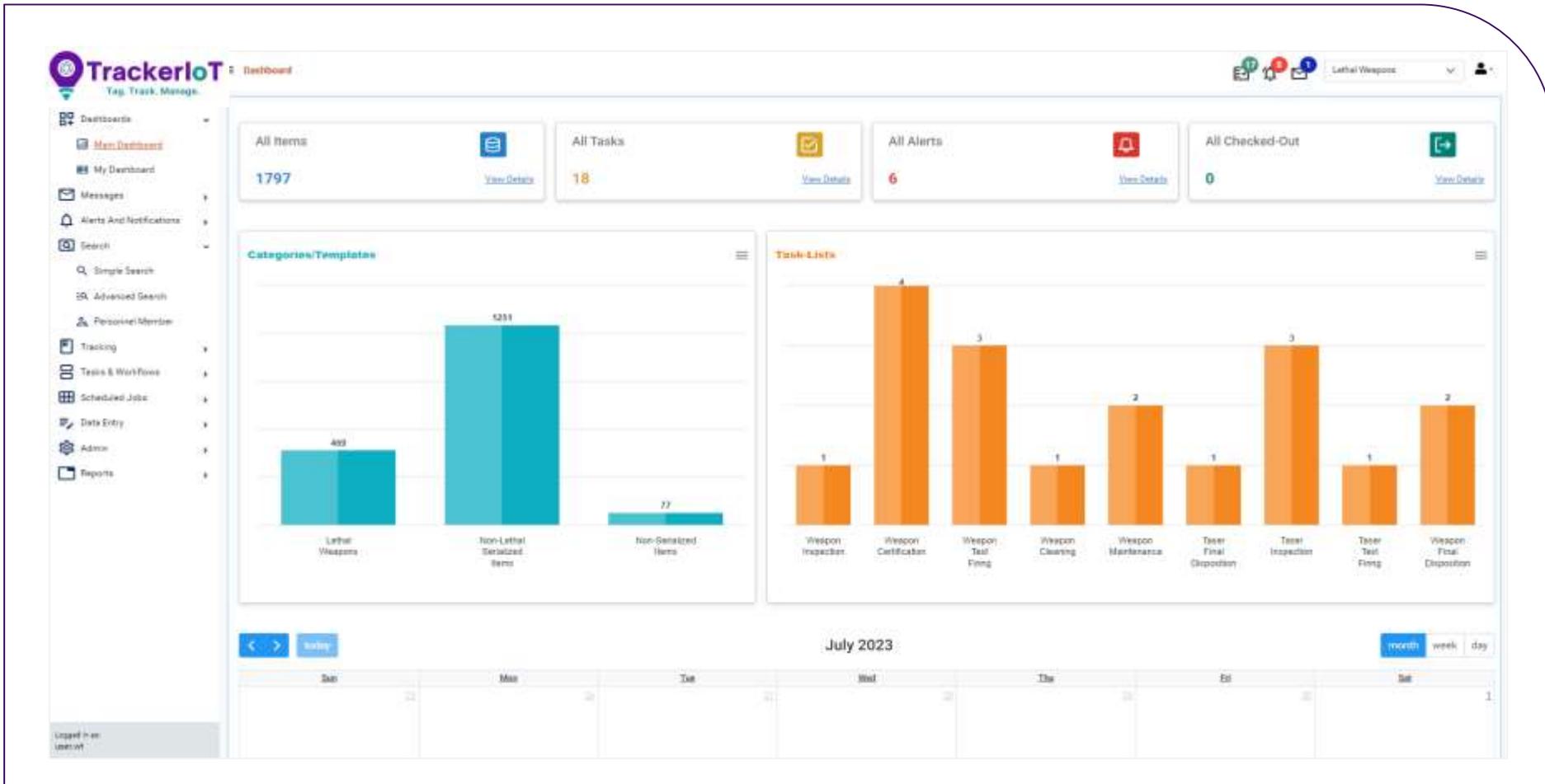


Watch on Youtube



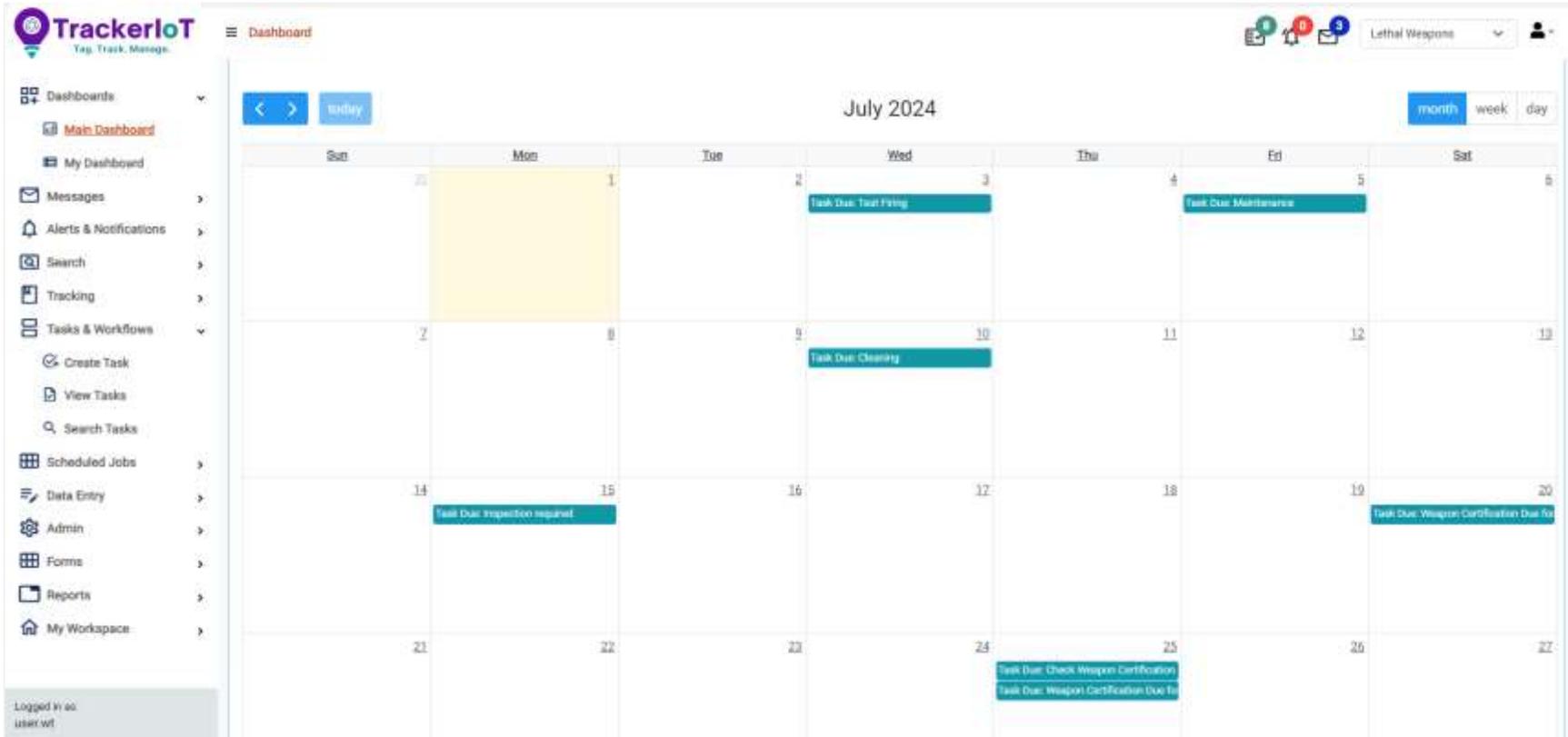
<https://www.youtube.com/watch?v=17Vytic60RTA&t=3s>

Software Dashboard



- The dashboard is fully configurable to display graphs, charts and data according to customer preferences
- Includes automatic management of tasks, workflows and alerts for sites and for each User

Calendar for Weapon and Personnel Task Monitoring and Performance



- Weapon test firing, inspection, cleaning and maintenance tasks are auto-scheduled to calendar and tracked
- Personnel weapon certifications and due dates are monitored and auto-scheduled to calendar and tracked

Primary IoT Weapon Tracker Features



- Complete armory, warehouse, depot storeroom, firing range, training facility tracking and accountability system
- Manages lethal weapons, weapon attachments, magazines, ammo, non-lethal weapons and gear
- Supports a wide range of tracking stations, scanners, devices, tags and labels for performing tracking functions
- Enables personnel authentication and transfer-of-custody validation at time of Issues and Turn-ins
- Prevents unauthorized removal of weapons utilizing RFID antennas and alarm/lights/voice alerter at exit points
- Manages tasks and displays to task calendar, including test firings, inspections, cleanings and maintenance
- Manages officer weapon certifications, assigned weapons and ARM / DO NOT ARM status
- Enables identification of POSTS and weapons, gear and ammo required for post assignments
- Complete and detailed audit trail historical records related to every detail related to weapons, items and personnel
- Unlimited standard and custom reports at the touch of a button
- Additional capabilities including electronic and static storage systems, and, GPS-GSM weapon tracking



Tags and Labels



Barcoding



RFID



GPS-GSM

UHF RFID for Item-Types with Unique ID #'s



- Long-range UHF RFID improves the speed and efficiency of issues-and-returns, facilitates faster inventories and enables security at armory exits
- RFID tags are placed 'invisibly' within sidearm and longarm grips
- Weapons, gear and ammo are automatically tracked as they are passed through issue-return windows or doorways
- Mobile scanners detect RFID tags from approximately 10' (3 meters) for fast inventories and audits
- RFID antennas and alarms/flashing lights trigger at exits to prevent the unauthorized removal of weapons

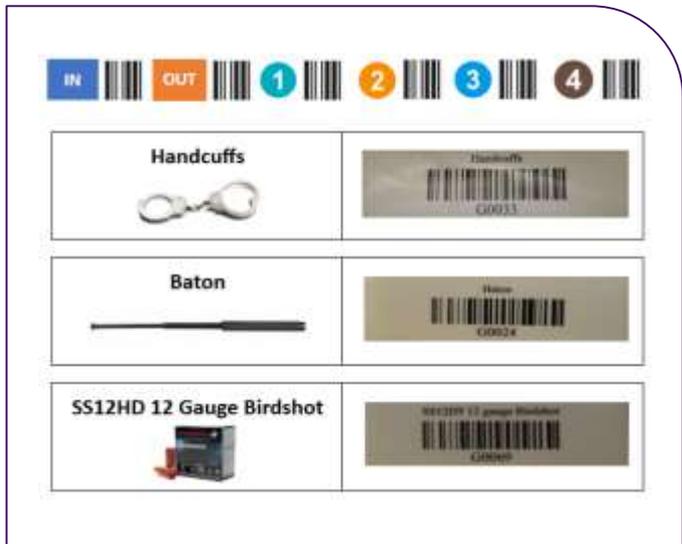


1D/2D Barcodes for Item-Types with Unique ID #'s



- 1D and 2D barcode labels made of tough-poly or aluminum material are placed on the exterior of weapons, gear and ammo
- Improves the speed and accuracy of weapons, gear and ammo Issues-and>Returns
- Enables armory, warehouses and depots inventories and audits to be performed accurately and rapidly, without dependence on clipboards or spreadsheets
- Supports USB barcode scanners for check-in and check-out, and mobile RFID scanners for inventories and audits
- Data from scanners automatically populates WeaponTracker^{IoT}

1D Barcode Labels for Item-Types without Unique ID #'s



- There are item-types that have unique ID #'s that may not be able to accommodate a RFID or barcode tag or label, based on the size of the item or the item going in and out of holsters or for other reasons
- There are items that do not have a unique ID #, and rather have a manufacturer common identifier and all items of an item-type share that same ID # and/or barcode, requiring item-type versus unique item tracking processes
- 1D item-type barcodes can be placed in a binder, as per the graphic shown, and are scanned with USB scanner and/or can be placed on shelves or drawers and scanned with mobile scanner



Hardware

Integration with Global Leading Hardware Vendors

Officer Authentication



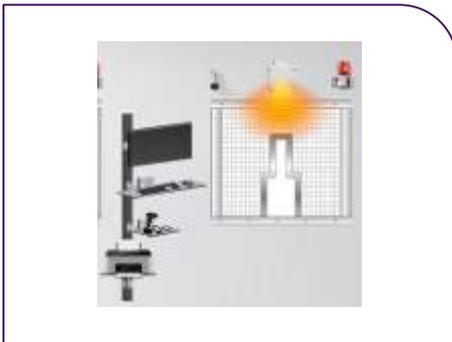
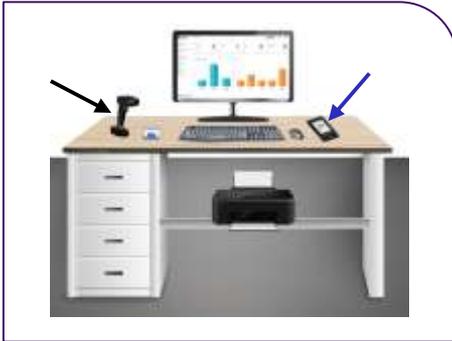
- ID card, database/photo lookup, PIN #, and/or fingerprint scan
- Links to database record for each officer's data profile, and photograph.
- Confirms officer's assigned weapons, weapon certifications statuses, and ARM / Do Not ARM status

Scanning Items for Issues and Returns



- Includes two (2) triggers. One trigger is to scan barcode items and the other trigger is to scan RFID-tagged items.
- Can be utilized hands-free when placed on work surface and/or can be used in-hand.
- Includes LED lights and audible beeps to validate when barcode or RFID are scanned.

Example Tracking Station Configurations



- IoTWeaponTracker provides custom engineered tracking workstations to enable armories to be equipped in the manner optimal for each customers environment(s).
- Desks or work surfaces within armories utilizing computer, USB RFID-barcode scanner, electronic signature pad, printer and optional fingerprint scanner.
- Issue/Turn-in windows and/or doorways with wall mount articulating computer, remote keyboard and mouse, USB RFID-barcode scanner, electronic signature pad, printer and optional fingerprint scanner
- Issue/Turn-in windows and/or doorways with RFID antenna to passively scan weapons and RFID-tagged items as they go out and as they come in, with electronic signature pad, printer and optional fingerprint scanner
- Rolling carts that can be moved to check-out points as needed with computer, keyboard, mouse, USB scanner, electronic signature pad, printer and/or fingerprint scanner

Validate Transfer-of-Custody



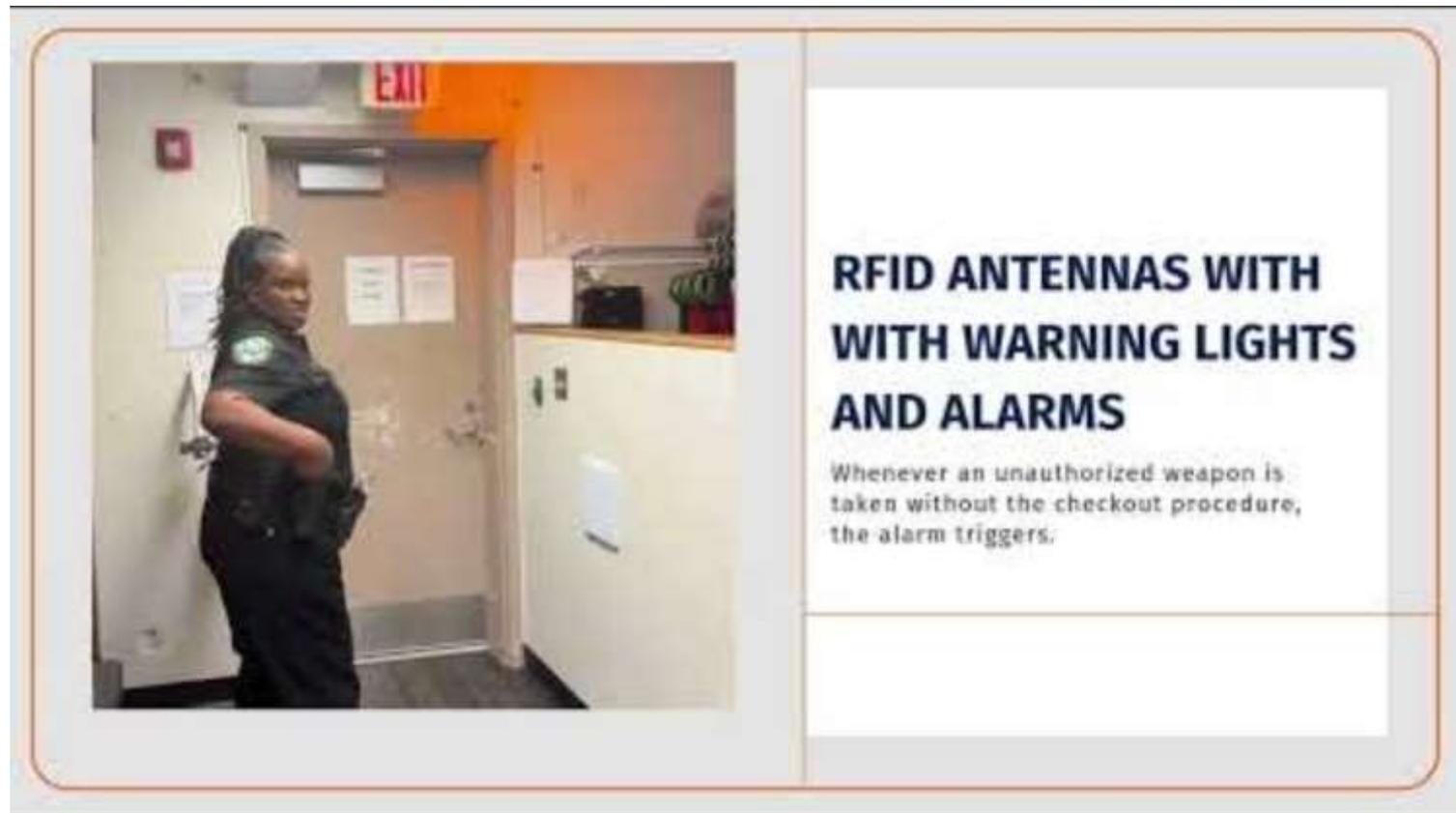
- IoTWeaponTracker pushes weapon, gear and ammo transfer data to a signature pad, listing each weapon, gear and ammo object being issued
- Each row of data includes serial # and text descriptions
- Enables receiving officer or soldier to verify the weapons, gear and ammo they are being issued, and sign the signature pad to validate acceptance-of-custody
- Supports the use of external touch monitors that display photos, serial # and text descriptions, and officer verifies items being received via PIN # entry
- Creates an audit-trail record in IoTWeaponTracker database including issuing officer, receiving officer, weapons-gear-ammo transferred or returned, link to electronic signature and/or PIN #, and the time/date

Prevent Unauthorized Weapon Removals



- Networked RFID antennas are placed at exits
- When a weapon(s) approach an exit, the weapon tag data detected by the RFID antennas is transmitted real-time to the IoTWeaponTracker database.
- If a weapon is not authorized for removal, lights and alarm are triggered. Lights and alarms can be installed at multiple locations.
- Software, email and/or SMS alerts are immediately dispatched to designated authorities.
- Doorways can also be utilized with wall-mount or rolling-cart tracking stations for transacting Issue and Turn-in processes.

Unauthorized weapon removal video



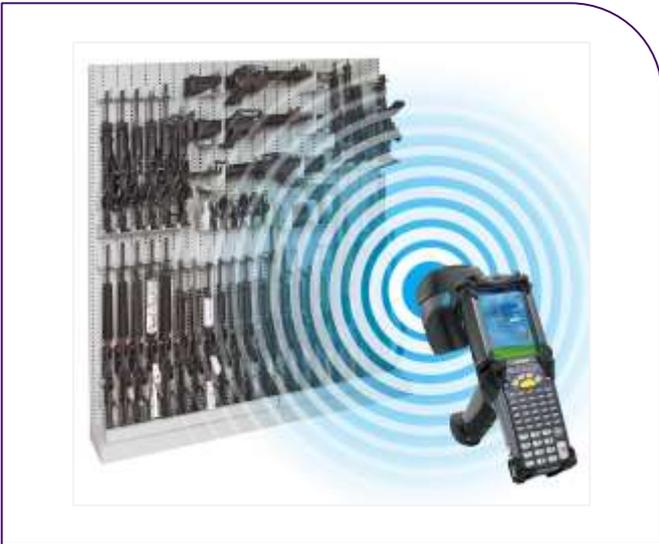
Watch on Youtube



<https://www.youtube.com/watch?v=xzk7plyoYO4>

Weapon, Gear, Ammo and Parts Inventories

- Reduces the manpower required to inventory armories, warehouses and depots
- Mobile barcode close-proximity scanners accurately detect barcoded weapons, gear and ammo, simplifying and speeding the inventory process
- Mobile RFID long-distant scanners accurately detect RFID-tagged weapons, gear and ammo from distances up to approximately 10' (3 meters), making armory, warehouse and depot inventories fastest and easiest
- Inventories are typically performed after each shift-duty turn-over, and for periodic full system audits
- Inventory data exports and populates the IoTWeaponTracker database
- Generates shift-turnover inventory reports, and complete weapon, gear and ammo inventory reports, for 100% accountability at all times





GSM-GPS Weapon Tracking



GPS-GSM Weapon Tracking Specs



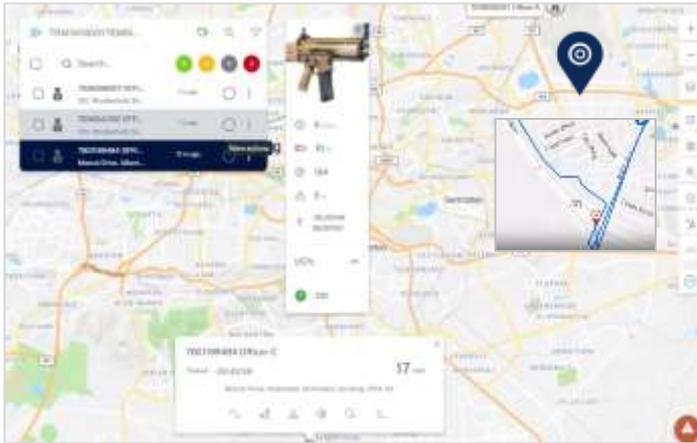
Handgun tag is placed on Piccinni rail below the front of the barrel



Long gun tag is encased within forward grip on Piccinni rail

- 60 grams.
- Forward grip with tag enclosed is 65mm x 112mm.
- GSM/GPS network.
- GPS/GPRS/GSM/SMS positioning and tracking.
- Band 850/900/1800/1900Mhz.
- Built-in high sensitivity GPS and GSM antenna.
- GPS sensitivity – 159dBm.
- GPS accuracy – 5m.
- 3.7V 1050mAh battery.
- Battery life between charges up to 7 to 15 days.
- Storage Temp. -40°C to +85°C.
- Operation Temp. -20°C to +55°C.
- Humidity 5%--95% non-condensing.
- Type C -charging cable.
- Car charger - 12-24V input; 5V-1A output.
- Wall charger - 110-220V input; 5V-1A output.
- All states of the tag are monitored and can be broadcasted within the software and via SMS as required.
- IP67 rating.

GPS-GSM Weapon Tracking Software Platform



- Cloud based software interface that can be viewed utilizing computers, tablets and phones.
- Real-time GSM and GPS location tracking including longitude/latitude coordinates.
- Historical route playback.
- Geofencing, including the ability at an armory/warehouse to ensure that weapons that are Issued are Returned.
- Low battery alerts are displayed within software and low battery alert can be texted to the officer in custody of the weapon, command center administrators and/or to any designated text addresses.
- All states of the tag are monitored and can be broadcasted within the software and via SMS as required.
- Real time live tracking (movement alerts when device is in a sleep mode state, this is after 5minutes of no activity). Once tag moves again, an alert is broadcast. At all times the current location of the weapon is known.



Weapon Storage and Smart Storage Systems

Configurable Space Efficient Racks and Cabinets



- Configurable weapon racks are easily designed to maximize the efficiency of weapons storage in modern, flexible weapon storage racks
- Store more weapons, gear, ammo, cases and cartons in less floor space
- Interchangeable to optimize storage of different weapon, gear and ammo-types within a fully integrated storage system
- Weapon racks can be placed on carriages with wheels and integrated with mechanical and electrical rotators for high density storage systems that eliminate unneeded aisles to fully maximize available floor space and height
- Available with traditional, biometric and/or PIN # locks to secure weapons
- Equipment manufactured through 3rd party partner



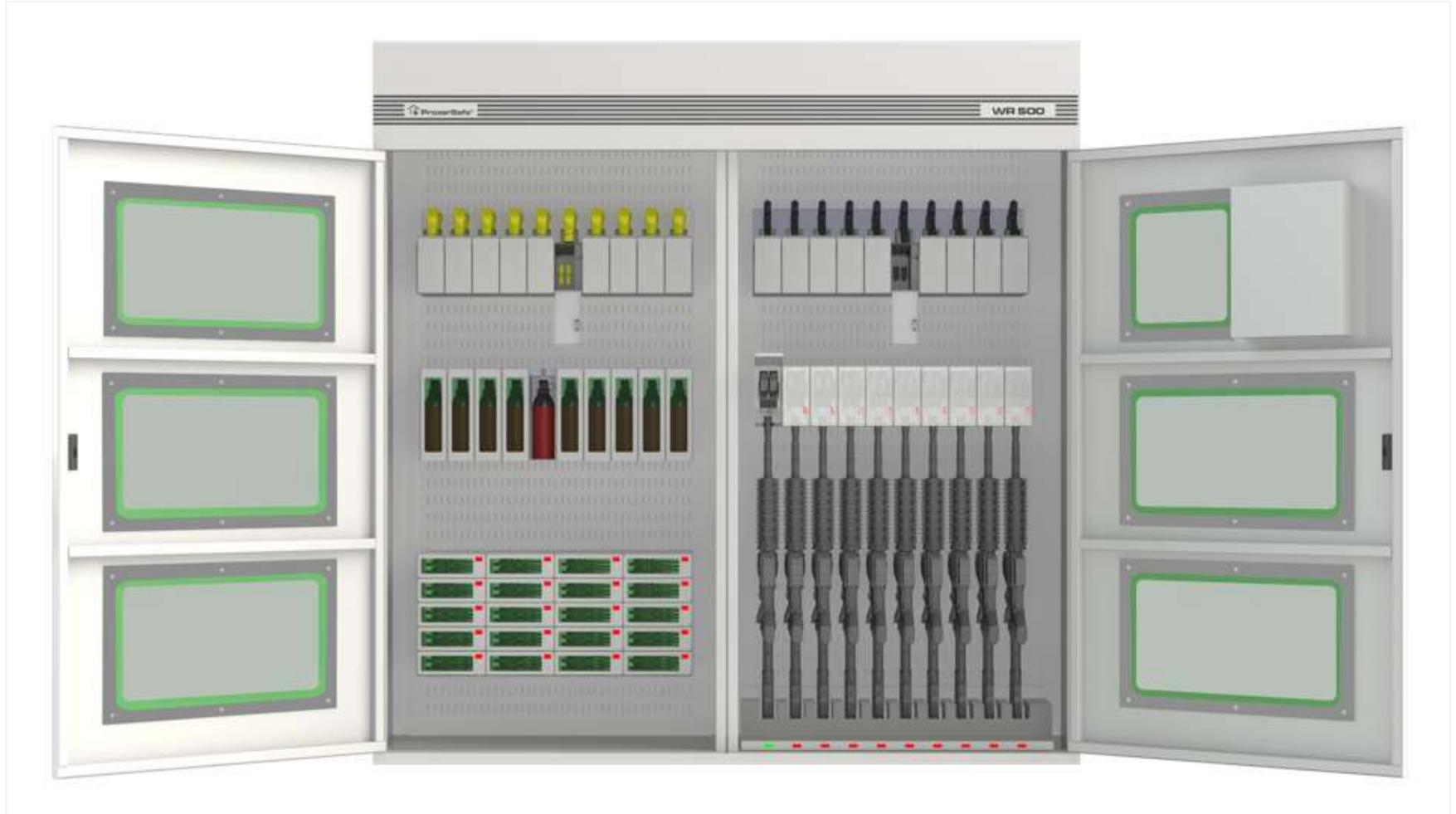
Mobile, Moving Storage Systems



Weapon storage systems with rolling carriages that eliminate unneeded aisles and maximize storage capacity in armories and warehouses

Smart Electronic Storage Systems

Lethal Weapons, Magazines, Non-Lethal Weapons and Gear Storage



Weapon Racs with Locking Clamps & Butt olders



- Weapon racks offer optional locking clamps and butt enclosures to secure access to weapons and protect weapons from unauthorized removal
- Butt enclosures secure weapons and also include RFID to track weapon removals and returns automatically.
- Locking clamps make it difficult or impossible for 'bad actors' to steal weapons, requiring special electric tools to try to cut through the clamps
- Slowing down the unauthorized removal or theft of weapons gives 1st responders the opportunity to thwart such attacks
- Can be placed back-to-back and optionally placed on rolling carriages to maximize storage capacity in available floor space
- Equipment manufactured through 3rd party partner

Handgun and Magazine Lockers



- For sidearms and magazines for the sidearms, and, for magazines assigned to long guns
- Access Control through fingerprints, ID Card RFID chips, ID card barcode and PIN #
- RFID within lockers and butt storage mechanisms in racks to automatically track removals and returns
- Scales within lockers ensure that magazines have been removed from weapons prior to storage, and, that there are no missing rounds from magazines
- Optional video cameras within lockers for real-time monitoring of locker contents

Smart Weapon Storage video



Watch on Youtube



<https://www.youtube.com/watch?v=49jggVsQ9JU>



Solution Design, Installation and Ongoing Support

Software Configuration & Customization



- IoTWeaponTracker is fully developed software proven through prior, successful implementations for high profile customers, with extensive support for tags, sensors, tracking and security hardware technologies for delivery of successful, turn-key solutions
- All features developed for all prior customers are included out-of-the-box and are configured for each customer
- Whereas any features and functions that a customer may require should already be in IoTWeaponTracker, new software code can be written to produce new features and capabilities and/or new hardware can be integrated as-needed, as IoTWeaponTracker is continually advanced and iterated based on each new clients features and functionality.

Turn-key Installations and Training

TrackerIoT provides turn-key deployments including:

- Project management from contract inception to solution turnover and ongoing support
- Tag, sensor and hardware installation and benchmarking
- Software installation, networking/cloud and backend database/systems integration
- Admin and IT training for high level system operation, internal support and solution continuity
- User training on all aspects of system capabilities



Ongoing Maintenance and Support



TrackerIoT provides continuous and comprehensive support for all components of all systems:

- Software support and enhancements
- Periodic application and server stack updates to most current versions
- Hardware troubleshooting and “repair or replace” guarantee
- User support and continual User training
- Information Technology (IT) support



Scalability



Fixed Assets

Military and law enforcement have a wide range of office and industrial assets that require tagging, tracking and inventories for efficient asset utilization, accountability and compliance. Assets need to be identified and managed from procurement, to receipt, while in storage and when in use:



- IT assets (computers, phones, scanners, tablets, etc.)
- Office assets (desks, chairs, cabinets, etc.)
- Industrial assets (HVAC, generators, machinery, etc.)
- Track assets in storage and when in use
- Periodically inventory and audit assets
- Monitor inspections, calibrations and maintenance
- Manage depreciations and valuations

Police Evidence and Seized Property

Law enforcement agencies seize property and gather evidence at crime scenes and during the normal conduct of business operations:



- Weapons, ammo, narcotics, currency, valuables, DNA/forensic samples, etc.
- Envelopes, bags, cartons, bins and physical items
- Track to specific rooms, storage areas, and specific shelves, drawers, refrigerators etc.
- Periodically inventory evidence and seized property
- Rapidly locate needed items with long-range scanners
- Prevent unauthorized movements with RFID and alarms at travel-points and exit-points

Parts and Tools



Part and tools are utilized for facility, vehicle and equipment repairs. Ensure that tools and parts are tracked, managed and available when needed improves efficiencies and reduces costs:

- Parts and tools for facility repairs
- Parts and tools for equipment and vehicle repairs
- Use barcodes and/or RFID for items with unique ID #'s and bulk items without unique ID #'s
- Establish reorder thresholds to ensure that required parts and tools are in inventory for usage
- Inventory and Locate items that are missing/needed
- Instant reporting

Warehouse Items and Equipment

Warehouses store items that are critical to supply chain flow, and availability for personnel as needed for the performance of their duties.



- Place barcodes on posts and shelves to establish Locations for all items in a warehouse
- Utilize mobile scanners and tablets for put-aways, pulls, inventories and for locating items
- Tag and track items, bins and pallets
- Tag and track equipment and motorized equipment
- Computerized database of all warehouse items and equipment
- Utilize software, barcoding and RFID (radio wave) technologies to streamline operations
- Instant reporting

Fleet and Construction Vehicles

Vehicles of all kinds, whether fleet, rapid response, construction or other vehicles are high value assets that need to be tracked and managed:



- Tag vehicles with GPS/GSM sensors
- Track movements and locations real-time
- Monitor vehicle behavior
- Know current and prior movements and travel paths
- Utilize geofencing to produce alerts if vehicles move beyond designated areas
- Location data displays on GSM maps and GPS 'street views'
- Instant reporting

Heavy Weapons

Missiles, torpedoes, drones, artillery, tanks, launchers, ships, helicopters, jets and any type of heavy weaponry can be tracked and managed with barcodes, RFID and/or GPS/GSM:



- Tag heavy weaponry with GPS/GSM sensors
- Track movements and locations real-time
- Know current and prior movements and travel paths
- Utilize geofencing to produce alerts if heavy weaponry assets move beyond designated areas
- Location data displays on GSM maps and GPS 'street views'
- Instant reporting

Personnel

Personnel can be tracked with GPS/GSM, WiFi and Bluetooth technologies for real-time location data. Tracking technologies and



- Identify personnel with GPS/GSM sensors
- Track movements and locations real-time
- Know current and prior movements and travel paths
- Utilize geofencing to produce alerts if personnel move beyond designated areas
- Location data displays on GSM maps and GPS 'street views'
- In emergencies, know who is safe or in-danger
- Instant reporting



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