What is Cloud Collected?

Cloud Collected turnkey solutions harness Wireless, RFID, Sensor, Biometric and other technologies to provide Dynamic Asset Management (DAM) Real Time monitoring, tracking, and managing for single or multiple sites and locations.

Our Turnkey Solutions as a Service (TSaaS) are fitted to your needs, easy to implement, and capable of expansion at any time.

Our Products

Tracking
- RFID Vehicle Monitoring
- Dealership Vehicle Availability
- Delivery Truck Availability
- Mobile Asset Management
- EMC/EMT Vehicle Assets and Personnel
- Fire Apparatus Assets and Personnel
- Police Vehicle Assets and Personnel
- Utility Assets and Personnel
- Other First Responders
- Other Mobile Assets
- Personnel Management
- Tour Guide Monitoring
- School Bus Monitoring
- Office and Warehouse Personnel Tracking
- Animal Tracking
- Remote Site Asset Management
- Tag Readers and Testers

Access Control
- RFID Vehicle Access
- Gated Communities
- High Security Facilities
- Parking Garages
- Residential Gated Driveway
- Gate Access

Dynamic Assets
- Cloud Weapons Express
- Real Time RFID Weapons Issue
- Manual RFID Weapons Issue
- RFID Asset Tracking
- Barcode Asset Tracking

Temperature Monitoring
- Cloud Chain
Real-Time RFID Weapons Tracking
for your weapons and other high value assets such as body armor, night vision optics, and specialized communications equipment.

Cloud Weapons Express is a Real Time Location Solution (RTLS) designed for weapons and other high value assets that are frequently stored in Weapons Safes and Weapons Racks.

All-In-One Solution

Cloud Weapons Express is a Real Time Location Solution (RTLS) designed for weapons and other high value assets that are frequently stored in Weapons Safes and Weapons Racks.

Cloud Weapons Express is multi-location and multi-site, monitoring weapons and other high value assets that have use our asset specific UHF Gen 2 passive RFID tags attached to them and are visible to the RTLS monitoring locations.

Cloud based, the RFID enabled RTLS manages weapons stored in safes or weapons racks in real time - all the time. RTLS Reader Modules constantly monitor the RFID antennas and provide data to the Communications Module in each location collecting and analysing local data transactions. Any change in the state of a weapon causes both local and remote event transactions to occur.

Your assets are constantly monitored by the system for any change in status such as detected movement out of or into a monitored location. Any detected movement causes the system to react with either authentication requests, automatic weapons issue, or alerts; all depending on how you want your solution to work for you.
Maintain Weapon Chain of Custody

Depending on your organization, you may choose different approaches for weapon issue to track Chain of Custody on your weapons. If you need to manually scan weapons, either for weapon issue from an armory or inventory purposes, you will need a portable reader. If you would like to have automated weapon issue where weapons are read by fixed readers on portals, inside safes, lockers or cabinets, then you can use our RTLS system. With Cloud Weapons Express, both options can be used together and your system can be expanded at any time. Our Turnkey Solutions as a Service (TSaaS) are fitted to your needs, easy to implement, and capable of expansion at any time.

Portable Readers

Portable readers are required to manually issue a weapon to personnel or take manual inventory of your assets. Portable readers use custom software that ties directly into your cloud system to maintain reports and asset activity in one central location.

We currently provide portable devices in 7” and 10” rugged Tablets, light and heavy duty gun style hand held reader/writers and also cell phone add on readers.

Fixed Readers

Fixed readers will need to be installed at your locations one time and will automate your weapons issue by continuously monitoring your assets. We offer door/window portals, rack antennas, weapon safe antennas that are specifically designed for metal safes and more for use with our system.

The antennas are constantly monitored by the system for any change in status such as detected movement out of or into a monitored location. Any detected movement causes the RTLS reader module to recheck that specific antenna for additional movement. If the movement continues and is deemed by the communications module to be authenticated, the system allows the removal or return of the asset and records the details of the transaction. If the movement is not authenticated then the system goes into alert mode and immediate action is taken.

Authentication

Authentication allows for the removal or replacement of an asset without an alert occurring. Authentication can be implied or validated for each antenna in the system allowing for different types of authentication based on actual usage of the system.

Authentication is determined based on the physical use of each safe or rack and what level of assurance is needed for Chain of Custody.

Authentication can be accomplished by a number of different security authentication methods:

- **Single Weapon Safe** knowing which personnel has the weapon using your existing safes.
- **NFC or UHF Card** the authentication value is trust level only as a stolen or lost ID card could be used to remove a weapon from the system correctly.
- **Fingerprint** eliminates lost and stolen cards and provides accurate authentication of up to 100%, but can be fooled under certain circumstances.
- **Palm Vein** provides 100% authentication of the live person, it cannot be fooled as it actually reads the veins which must be alive to generate the correct read.
Cloud Collected turnkey solutions harness Wireless, RFID, Sensor, Biometric and other technologies designed for weapons and other high-value assets that are frequently stored in Weapons Safes and Weapons Racks.

Many weapons and asset tags available; contact us to discuss your specific needs.

View the status of assets at locations in real time for personnel and weapons they use.

Software is not in the right place.

- Gauge/Caliber
- Model

Data points include, but are not limited to:

- GPS View
- Dashboard

Super Thin for use on any weapons or accessories. Light machine guns, machine pistols, hand guns, shot guns, assault rifles this tag thin bevelled form factor can be installed concealed or visible as long as metal does not cover the tag.

- 30 mm x 10 mm x 1 mm (1.181" x 0.394" x 0.039")
- Waterproof and dustproof sealed IP68

Bevel design for use on weapons and accessories where the asset is slide in and slide out of a container such as a holster or case. Bevelled form factor can be installed concealed or visible as long as metal does not cover the tag.

- 25 mm x 11 mm x 2 mm (0.984" x 0.433" x 0.079")
- Waterproof and dustproof sealed IP68

Body Armor RFID Tag

Body Armor tags are used specifically for your body armor assets.

- Can be color matched to vest material and or be logo'd for organizational identification.
- The back of the Body Armor tag can contain a barcode and a human readable so it is easy to implement the tag.
Software

At the heart of the system lies a powerful cloud based software tool-set that allows users to view real-time data on weapon usage as well as historic reports on personnel and weapons they use. Accessible for authorized users from any device with an internet connection.

Dashboard
Provides a quick real-time, auto-updating view of each location's weapon usage.

Location View
Watch assets move in and out of a location in real time on an auto-updating screen.

Manual Weapons Issue
Our portable readers run custom software that is directly tied to your server system to keep your data in one place.

GPS View
When using a Cloud Tablet to marshal weapons for Chain of Custody, you can review the GPS tracking of the tablet as the trip took place.

Transaction Reporting
Query the system for weapon issue based on Date Range, Location, Asset, or Personnel filters. Other data points include, but are not limited to:

- Weapon Class
- Make
- Model
- Guage/Caliber
- Serial Number
- Last Date Fired

Inventory Reporting
Review inventory reports to highlight which assets are not in the right place.
What is Cloud Collected?

Cloud Collected turnkey solutions harness Wireless, RFID, Sensor, Biometric and other technologies to provide Dynamic Asset Management (DAM) Real Time monitoring, tracking, and managing for single or multiple sites and locations. Cloud Weapons Express Real Time Location Solution attaches them to your desired location.

Components will be installation ready - all you will need to do is attach them to your desired location. Using our web based cloud software, you manage authorized tags and customize any settings to fit your location(s).

Depending on the tag-type, mount the tag to the assets you are monitoring.

Your assets are constantly monitored by the system for any change in status such as weapons racks in real time - all the time. RTLS Reader Modules constantly monitor assets.

- Asset Activity Data Pulls
- Grant or revoke access to a location a per-
- View logs of user activity.
- If there is a network outage at the location, the mini-PC communicates with the Cloud Software to determine which tags are authorized and records the details of the transaction.
- Any detected movement causes the RTLS reader module to authenticate based on actual usage of the system.
- Authentication can be implied or validated without an alert occurring. Authentication allows for the removal or replacement of an asset or rack and what level of assurance is needed for Chain of Custody.
- Module installations.
- Multiple readers per location allowed
- Standard installations.
- Fixed readers will need to be installed at your locations one time and remain in place. The antennas are constantly monitored by the system for any change in the status of a tag.
- NFC or UHF Reader required depending on your setup.
- Optional
- API
- Cloud
- Authentication
- Palm Vein
- Other
- School Bus Monitoring
- Other Mobile Assets
- Utility Assets and Personnel
- Police Vehicle Assets and Personnel
- Fire Apparatus Assets and Personnel
- Components will be installation ready - all you will need to do is attach them to your desired location.
- The package will include everything you need to get up and running - from the RFID hardware and RFID tags to all software needed.
- Glass Resin Thin Bevelled Weapons RFID Tag - Bevelled design for use on weapons and accessories where the asset is slide in and out of a container such as a holster or case.

Contact us about your assets to discuss tag types for them.

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Newark, DE 19702

sales@cloudcollected.com
302-273-4010

Easy Setup & Installation

1. We Customize Your Solution
   Once we determine your requirements, we configure a package to fit into your location.

2. You Receive the Package
   The package will include everything you need to get up and running - from the RFID hardware and RFID tags to all software needed.

3. Connect Components
   Components will be installation ready - all you will need to do is attach them to your desired location.

4. Customize Settings
   Using our web based cloud software, you manage authorized tags and customize any settings to fit your location(s).

5. Place RFID Tag on Assets
   Depending on the tag-type, mount the tag to the assets you are monitoring.

Contact Us
302-273-4010
sales@cloudcollected.com
## Features and Components

<table>
<thead>
<tr>
<th>Hardware</th>
<th>Software</th>
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<tbody>
<tr>
<td><strong>RFID Hardware</strong></td>
<td><strong>Local Collection Agents</strong></td>
</tr>
<tr>
<td><strong>RFID Tags</strong></td>
<td>Mini-PC</td>
</tr>
<tr>
<td>Many weapons and asset tags available; contact us to discuss your assets.</td>
<td>A Mini-PC will be installed at each location to control all hardware components (RFID Readers/Antennas). Network connectivity must be provided. The Mini-PC communicates with the cloud to determine which tags are authorized and log activity.</td>
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<tr>
<td><strong>RFID Reader</strong></td>
<td>Cloud Synchronization</td>
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<tr>
<td>UHF Gen 2</td>
<td>Local agents are kept up to date by the cloud. Each location will always have the latest authorized tag information. If there is a network outage at the location, the software will continue to run in a cached offline mode so that your operations will continue normally.</td>
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<tr>
<td>Multiple readers per location allowed</td>
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<tr>
<td><strong>RFID Antennas</strong></td>
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<tr>
<td>We use customized Safe and Rack antennas for standard installations. For other installations, your choice of over 50 antenna types depending on your installation needs. Note: Additional mounting hardware may be required depending on your setup.</td>
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<tr>
<td><strong>Authentication Modules</strong></td>
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<td>NFC or UHF Reader</td>
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<td>Fingerprint Reader</td>
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<td><strong>Cloud Tablet</strong></td>
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<tr>
<td>Portable Reader for weapons issue, inventory scanning, marshaling of weapons and more. NFC and UHF Reader Fingerprint Reader optional Temporary Location Services (GPS) Custom User Interface Software</td>
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</tbody>
</table>

| **User Access** | - Grant your staff access either by each location or across the entire organization. - View logs of user activity. |
| **Manage Tags** | - Upload your assets via a spreadsheet and/or manage them individually. - Grant or revoke access to a location a per-asset level. - Add additional data to each tag such as type and owner. |
| **Locations** | View the status of assets at locations in real time. |
| **Reports** | View reports showing asset in and out activity by location, date and asset. Review your Chain of Custody for each weapon for each movement it makes. Export reports to Excel or print them for further review. |
| **Alerts** | Setup SMS or Email alerts from your system for: - Location outages such as network or power failures. - Specific tag activity; receive an alert when a specified asset is checked out too long or there is an unauthorized attempt to checked out the asset. |
| **API** | Looking to synchronize your current asset database system with ours? We offer a full RESTful API that allows you to get your data in real time. - Asset and Personnel Synchronization - Asset Activity Data Pulls |