

Safeguard Assets, People and Property Using Trusted NFC Technology



HID Global and technology partner MyTAG Ltd deliver a comprehensive solution that intuitively manages assets, property management, physical security personnel, keys and contractor management – MyTAG.io

To provide a safe environment for a company's most valuable assets, both people and property, is paramount for facilities management. With an increase in security, comes an increased desire to improve and automate procedural challenges such as inefficient paper-based processes. HID Global and MyTAG are at the forefront of enabling new applications that leverage Near Field Communication technology (NFC) to collect and analyze valuable data that supports key and commercial property management, in addition to monitoring a mobile workforce and security patrols under a single cloud-based application.



Simplify Key Management

Managing the plethora of physical keys for an individual office or a commercial property is cumbersome. Antiquated off-line, paper-based systems simply do not work. Keys are misplaced or lost and precious time is spent manually locating key assets. By simply tagging each key with a standard NFC tag from HID Global and by leveraging MyTAG.io, the cloud-based key management system, the solution records and tracks every key that is logged in and out of a business premises simply and efficiently.

The solution sends automated text and email alerts to chase non-returned keys and will provide real-time and historical reporting of every key managed.

Key management experience:

1. All physical keys are tagged with a unique NFC key tag
2. When a key is used, it's tapped on the tablet to launch the checkout interface
3. Information about who took the key and when it is due back are recorded
4. When key is returned, tapped again on the tablet to check it back into the system.



Automated Physical Security Patrols

Adding trust and security to Internet of Things (IoT) applications has forged new opportunities for companies to implement NFC technology that would otherwise be at risk.

In order to ensure the highest level of security, facility and property managers need to accurately track security check-points and have the ability to instantly respond and report fraudulent activities throughout a building day and night.

Demands upon security guards have significantly increased where individual guards often work alone and in remote locations. Individuals are deployed at all hours of the day under uncertain conditions, and each individual is often charged with monitoring, patrolling and protecting facilities and properties – from a small office building to a sprawling building campus. The nature of responsibilities often places a security guard in potentially dangerous situations or in circumstances requiring an urgent response.

Guards or mobile workers dispatched into the field – even to extreme remote locations – need never feel isolated.

Immediate Back-Up in the Palm of Each Guard's Hand

HID Trusted Tag® Services uses secure NFC technology and cloud based strong authentication to uniquely authenticate an assigned mobile worker or security guard to MyTAG.io cloud-management system.

With a simple tap of their mobile phone to the secure trusted NFC tag, the guard digitally proves that the security patrol check took place at the exact location at a specific time.

Through their NFC mobile device or PC, each worker has a direct link into the property's system for reporting, back-up services and emergency protocols 24/7, enabling security guards to report any issues instantly.

Additionally, each security guard is able to monitor areas of the building more easily and efficiently. Automating each security checkpoint has replaced the manual process of paper-based "signing" in.

In return, property management receives peace of mind and data reports needed to ensure the safety of their occupants and building assets.



Secure Security Patrols are quickly and easily deployed, creating discreet or overt NFC checkpoints throughout:

- Airports
- Contract security operations
- Correctional facilities
- Government facilities
- Hospitals
- Industrial sites
- Municipal patrols
- Office buildings
- Retail sites & shopping malls
- Warehouses & storage facilities etc.



Security patrol experience:

- Upon every tap of an HID Global NFC trusted tag, the NFC-enabled phone or other device receives a URL with a unique cryptographic code attached. The tag generates this code at the moment of the tap.
- The MyTAG.io platform determines if the URL has been accessed by someone who physically tapped a tag (versus someone who followed a shared web link or copied a non-trusted NFC tap-point tag) and gives the user (security guard) an acknowledgement message.

Location is determined by the known place where an HID Trusted Tag is affixed in a way the tag cannot be removed without destroying it. Along with the cryptographic authentication and cloning protection of this tag, it allows pinpointing precisely any valid tap to a particular location e.g. a corner of a room or a certain door. This would not be possible with wireless technologies like GPS or Wi-Fi location systems.

- If the URL is not accessed from a validated physical tap, the transaction can be denied by the server or simply logged for subsequent analytics.
- All the tag interactions are collected and reported through the MyTAG.io platform.

Automate Time & Attendance

Currently, manual, paper-based time & attendance records and processes are deployed across organizations. Property managers seek more efficient systems to better manage building contractors and increase the accuracy of billable hours for any services rendered. Leveraging the same secure NFC application and MyTAG.io cloud management platform, time & attendance is automated to effectively manage contracted services on the property.

Time & attendance experience:

- Pre-printed trusted NFC cards are prepared and handed to a contractor when they walk in
- Card is tapped and the identity of the contractor is entered into the system
- Card is tapped again at the end of the contracting session to make the end of the billable time
- Card is returned to the facility management for re-use

Facility managers eliminate the manual process using the platform for time & attendance. For each general contracted service, billing inaccuracy is eliminated – ensuring trust and unnecessary costs are not incurred by human error.

- Contractor invoices are analyzed against exact time they were on site
- Automated employee site visits and activity reporting
- Tack and digitally document other activities around the property – maintenance attendance, and empty property monitoring, to name a few.

Secure, Frictionless Authentication and Proof of Presence

HID Global Trusted Tag Services delivers indisputable proof of presence with frictionless authentication – the ideal combination for security applications. The innovative solution combines the ubiquitous convenience of NFC-capable devices tags, with patented HID Global cryptographic encoding technology and cloud authentication. The result is a unique, non-replicable transaction with every tap of an HID Trusted Tag on an NFC device.



HID Global Cloud Authentication Services securely determine the authenticity of the employee or contractor's tap on the Trusted Tag during security patrols or signing in for the work day. Encrypted data changes on every tap, blocking attempts to share, clone or manipulate NFC tags or URLs.

Using frictionless cloud authentication and NFC technology, property agencies do not need to invest, develop, install, or manage additional applications as there is no need to invest in new IT infrastructure equipment or software. HID Trusted Tag Services uses single web service integration into security management applications, streamlining the deployment of Trusted Tag Services.

Create Unique Patrol Checkpoints Anywhere

Security organizations have total flexibility in the strategic placement of security patrol checkpoints. HID Trusted Tags are available in different sizes, shapes and component materials which perform under virtually any condition, enabling the designation of secure NFC checkpoints to be virtually anywhere – from separate floors within a multi-level office building, to patrol sites geographically spread across an entire city or campus. In addition, high visibility tag formats can be used to draw attention to designated checkpoints or smaller tags may be hidden discreetly.

Each tag is activated with the tap of an authorized NFC-enabled device. This simple tap is all each security guard needs to deliver a routine “all clear” at a given checkpoint. If an incident report is required, the guard may engage a proprietary application on their mobile device, providing immediate feedback to the offsite team/control room – through photo, video or text entries into their device.



Securely mounted Trusted Tag in area, conveniently tapped during each security stop

Seamless Integration with Existing Technology

HID Trusted Tag Services integrates seamlessly with standard devices that are already deployed to many security field personnel. Tens of millions of smartphones include integrated NFC chipsets, including Android, Windows Phone and Blackberry devices. Apple iPhone 6 and earlier models may be retrofitted with NFC enabled devices from third party vendors. The HID Trusted Tag services, using HID Global's award winning Seos[®] technology, are also designed for future support of trusted Bluetooth[®] low energy beacons.

Beyond smartphones, NFC can be included in PCs, laptops, tablets, security cameras and many other common electronic devices. In the near future, virtually everyone will have a device in hand that can read and write using NFC. Deploying Trusted Tag Services will require no added hardware or client side software investment and minimal training for field officers.

Trusted Tag Services also integrates seamlessly into most guard tour management software systems for real-time data collection, faster and more accurate reporting, and advanced analytics.

Deliver a secure and safe environment for clients and employees

MyTAG.io incorporates an additional layer of security which has the capability to protect remote workers undertaking property viewings, inspections or security patrols for example. Staff are provided with individual NFC tags that record and monitor their movements. Through personal devices such as mobile phones, laptops or tablets, individuals are able to preset their whereabouts into MyTAG.io, should they not return at a preset time the solution automatically triggers an escalation process.

Integrating HID Global's Trusted Tag Services and traditional NFC tags with security management applications like MyTAG.io, property managers experience a continuum of benefits – automated key management, precise security patrols, an easier streamlined process for contracted services, reduction of the potential for human error and increased management visibility.

Trust that you can stay true to the mission – achieve the highest level of security by protecting property and people.

Undeniable Value and Benefits:

- **Automatically manage property keys** – digitally track and trace keys real time, improve operational efficiencies, reduce time wasted in locating misplaced keys and chasing non returned keys.
- **Secure and unique taps** – provide assurance and proof that each area of a property is secured during routine patrols. The effortless tap of an NFC mobile device to a Trusted Tag is cryptographically secure.
- **Simple integration and easy adoption** – no need for readers, apps or other equipment; eliminates additional IT development costs. Web and mobile APP interaction eliminates manual paperwork activities, saving valuable time and associated costs of delivering accurate monitoring and reporting.
- **Proof of presence and identity** – precise management for contracted employees. Streamlined management simplifies time & attendance, providing property management access to real-time data analytics for accurate billing.

In summary, HID Global Trusted Tag Services and NFC technology is at the heart of security management by enhancing organizational communication, empowering property and facility managers with familiar tools to provide a safe and secure environment, with confidence.

For more information, see the [HID Trusted Tag overview](#) and [How it Works](#) videos.

About HID Global

HID Global is the trusted source for innovative products, services, solutions, and know-how related to the creation, management, and use of secure identities for millions of customers around the world. The company's served markets include physical and logical access control, including strong authentication and credential management; card printing and personalization; visitor management systems; highly secure government and citizen ID; and identification RFID technologies used in animal ID and industry and logistics applications. The company's primary brands include ActivID®, EasyLobby®, FARGO®, IdenTrust®, LaserCard®, Lumidigm®, Quantum Secure and HID®. Headquartered in Austin, Texas, HID Global has over 2,200 employees worldwide and operates international offices that support more than 100 countries. HID Global® is an ASSA ABLOY Group brand. For more information, visit www.hidglobal.com

About MyTAG

Established in 2012 MyTAG are specialists in developing innovative and tailored asset management solutions.

Operational today in various sectors, MyTAG.io is providing solutions to the estate/lettings agency, commercial property management, facilities management and security sectors. MyTAG is the sole supplier of a unique cloud based system that combines Near Field Communication (NFC) and Trusted Global Positioning Technology.

MyTAG.io's functionality supports; key management, security patrols, proof of presence, time and attendance and lone worker applications within one single interface that can be deployed seamlessly, with speed and with minimal infrastructure investment.

hidglobal.com/trusted-tag-services

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