

HARDCAT

Delivering Asset Certainty



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RFID TECHNOLOGY





OVERVIEW

WHAT IS RFID?

Radio Frequency Identification (RFID) is a means for tracking assets by way of RFID tags which store information electronically. RFID tags do not require 'line of sight' and create huge reductions in the time taken for locating items as well as auditing processes.

Adopting RFID technology saves organisations time and money while also providing comprehensive visibility of assets.



WHY USE RFID?

Automating time intensive audits of high volumes of equipment RFID offers a fast, accurate and discreet method of identifying fixed and portable assets. Information is recorded via a hand-held RFID reader/scanner running an application specially designed by Hardcat. This enables the system user to audit efficiently, accurately and in an organised format.

Deliver the right data at the right time, personalised to your business processes and integrate to disseminate data to your entire enterprise.





KEY BENEFITS

- Real-time mobile asset tracking
- Time and cost savings
- Superior governance and accountability
- Comprehensive visibility of assets
- Personnel audit
- Bulk issue and return of assets
- Quick location of missing assets
- Consistency of captured data
- Rapid selection of criteria in drop-down lists or scannable fields
- Facility to create new criteria 'on the fly'
- Amount of time lost through human error is reduced to an absolute minimum
- Photographs can be attached to the asset record via the mobile device to identify the asset and/or record the condition of the asset
- Comprehensive in-situ exception reporting
- On-the-spot investigation of what is still to be audited or sighted.





MASS AUDITING

MASS RFID AUDIT - BY LOCATION

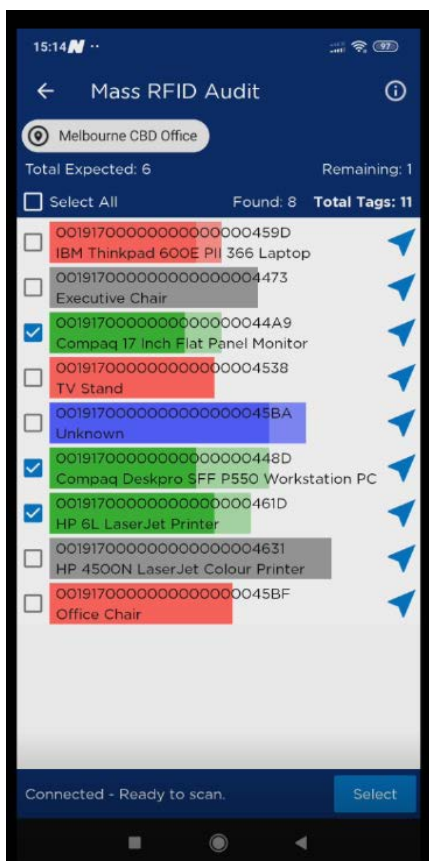
RFID tags are detected by the scanner and displayed in different colours based on their properties.

Green – unaudited assets scanned for the first time and matches audit location.

Red – assets picked up that do not match the audit location.

Blue – tags that are picked up but do not exist in the Hardcat database.

Grey – assets that are already audited in the current audit session.



MASS RFID AUDIT - BY RFID

RFID tags to be scanned irrespective of their location facilitating a quick audit to establish items that haven't been misplaced or lost, without delving into the specifics of their exact location within a site.

This means that all asset locations will be updated automatically to reflect true location.

RFID BULK ASSET RETURN

All assets automatically logged when the person returns to a location with their assets, with a simple swipe of the RFID. Generate real time alerts about any assets that were not returned.





SEARCH AND FIND

RFID SEARCH AND FIND

Once unidentified assets have been highlighted during an audit, you can now use the 'Search and Find' feature to let the device find the missing assets.

Alerts get louder as you get closer to the asset being sought, similar to a Geiger counter sound.

One hand-held RFID reader is all you need to complete an audit in a fraction of the time that would be required using manual, visual ID and/or barcode scanning.



ID SCANNING



RFID AUDIT BY PERSON

Scan a person's badge or ID card and get instant identification of any missing or accountable equipment that was issued to them.





RFID TAGS AND READERS

BUYING RFID TAGS AND READERS

To remove the complexity of implementing an RFID solution, our RFID implementation engineers and subject matter experts are happy to consult with you to understand your complete requirements and suggest a range of tagging devices and scanners designed to meet your specific objectives and budget.

Enabling RFID technology will bring greater efficiencies to your processes. Whilst knowledge about the location, type and quality of your assets brings immediate costs savings and better control.

RFID Tags



Fixed RFID Readers



RFID Hand-Held Readers



Fixed RFID Doorway Readers

Fixed readers for doorways and Hardcat's Sentinel software allow automatic registering of both assets as well as personnel offering an unmanned means of tracking asset movements at designated points. Fixed reader will detect asset movements and store an audit record to indicate the asset's last 'seen' location, allowing rapid movement of assets and personnel without requiring individual interaction with equipment.





WHERE TO FROM HERE?

As with any successful project it is important to identify the ROI opportunity, assess the requirements, plan the system and implement the solution. Focusing on the efficiencies and cost savings goals will drive the success of your RFID project and improve your asset management processes.

Hardcat recommend a site visit by one of our consultants to look at your environment as well as your required solution.

With RFID it is not a matter of one size fits all, the tags and readers that you use will depend upon the environment, asset types and the outcome you require.

PILOT RFID

Hardcat has invariably discovered that a targeted pilot program successfully proves the solution and often yields changes to project scope to achieve greater value from the RFID implementations.

Start small and generate a proof-of-concept that can be expanded to more complex work-flows.

Start with one challenge in your organisation or start with tracking an asset class that may deliver the greatest ROI on your efforts.

Conducting a pilot will save your organisation thousands of dollars which may be spent to RFID tags not suitable for the asset(s) and/or environment they are working in. A pilot will allow you to choose the volumes and combination of hardware most suitable to achieve your business outcomes.

Having complete visibility of your assets allows you to make informed decisions relating to asset purchases, and can reduce your insurance premiums by more than 30%.



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Hardcat solutions have been chosen by more than 2,000 of the world's most prestigious corporate and government bodies in 121 countries around the world.

Join our list of satisfied clients who have already performed your due diligence for you. No one else has our credentials or credibility when it comes to asset management solutions.

Hardcat HQ

253 Park Street
South Melbourne
Victoria 3205
Australia

p: +61 3 9695 5400

sales@hardcat.com

Hardcat Africa

Building 2 Country
Club Estate 21
Woodlands Drive
Woodmead
Johannesburg 2191
RSA

p: +27 11 258 8887

sales@hardcat.com

Hardcat UK/EU

Woking One Unit 6
Albion House High
Street Woking
Surrey GU21 6BG
UK

P: +44 1483 485 870

sales@hardcat.com

Visit our website for more details www.hardcat.com

