

HARDCAT

Delivering Asset Certainty



www.hardcat.com

HARDCAT VX

ASSET MANAGEMENT SOFTWARE AND SERVICES



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WHO IS HARDCAT

Hardcat was founded in 1986 and is the first company in the world to offer software products that specialises in asset management. From its beginnings in Melbourne Australia, Hardcat has continued to grow over the past 36 years and is trusted by over 2000 organisations in 121 countries. Hardcat solutions work with our partners to incorporate the latest in barcode and RFID technology with both fixed and mobile readers.

WHAT WE DO

Hardcat Asset Management Software is a specialist software suite that provides a single source of truth to support businesses in improving the utilisation, maintenance, and management of their asset base.

Hardcat software enables efficient and automated processes whilst also providing wide-ranging and instant visibility of asset information over its entire life cycle.

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- Asset capture, audit and reconciliation services
 - Calibrations and inspections
 - Asset tracking
 - Depreciation and finance management
 - Incident management
 - Asset life cycle management
 - MRO/spare parts/consumables management
 - Purchase order management
 - Proactive and preventative maintenance
 - Software discovery and licensing control
 - Issue and return of assets, tools and equipment
 - API integration - expose asset data to SAP, Oracle, Share Point, Maximo etc.

WHY CHOOSE HARDCAT?

REDUCED OPERATIONAL

By using Hardcat to document the IT asset profile of a large tertiary education establishment, operational costs were reduced by 25% which equated to a saving of \$400,000 pa.

SAVE WITH CONTRACT

In the same establishment, by simply understanding the varied asset base and then consolidating supplier contracts, procurement savings of over \$1.5M were realised.

INCREASED DEPRECIATION

A large Government establishment found one third more depreciable assets than were stated in the corporate asset register by using Hardcat audit tools.

REDUCED AUDIT

In 2010, a state police force conducted the first state wide audit of firearms in over 20 years failed to locate close to 200 weapons. The missing guns were explained as accounting errors and not actual cases of mislaid firearms. Hardcat audit tools reduced the time to undertake a station audit from weeks to hours.

SAVINGS IN PROCUREMENT

For a world leading Zoo, Hardcat assisted in identifying one-third more air conditioners than they thought they possessed, which allowed them to review their procurement processes, streamlining their supplier and product selection.

MISSING EQUIPMENT

For a large power station, an equipment audit using Hardcat identified \$450K worth of missing equipment.

OVERSPENDING

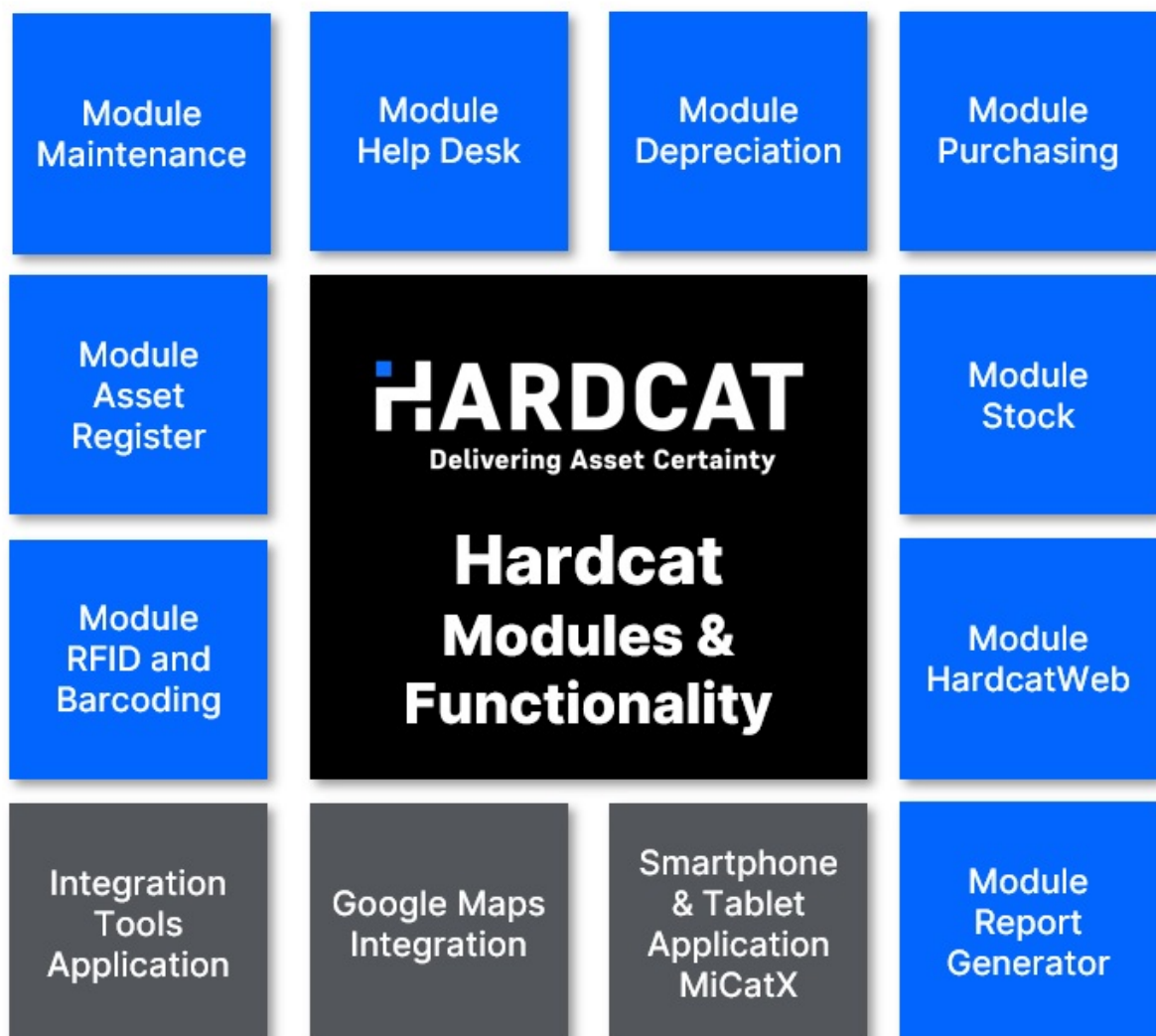
A utility organisation using Hardcat to measure equipment assignments raised the issue, "Why do we have over eight items of welding equipment for each boiler-maker? It's a waste!

ENSURE

SAP based organisations use Hardcat to perform regular audits and ensure the data contained within their SAP system is correct and current.

HARDCAT VX SOLUTION

Incorporating more than 36 years of asset management industry experience, Hardcat software is proudly Australian owned and developed.



ASSET REGISTER CORE MODULE

POWERFUL ASSET KNOWLEDGE AT YOUR FINGERTIPS

The Asset Register Module is the core of the Hardcat Asset Management System and provides the foundation for optional add-on modules to extend functionality.

It is designed to collect and deliver in-depth information through easy to use and easy to customise features.

The asset register module can handle any type of asset as well as any attribute associated with that asset type.

Detailed reporting is at your fingertips. There are hundreds of standard reports within Hardcat as well as these out-of-the-box reports. The user is able to create custom reports incorporating any field within Hardcat, even user defined fields.

The asset register module can handle any type of asset as well as any attribute associated with that asset type.

Information can be recorded into any of the following categories, as well as sub-categories which can be created to suit your management needs.

- Product description
- Asset type
- Supplier
- Location
- Cost or profit center or customer name
- Employee/owner
- Leased/owned
- Asset condition
- Purchase price
Insurance value
- Warranty information
- End of life
- Global user definable fields for all assets
- As well as 9,999 user definable fields per asset type

BARCODE AND RFID MODULE

AUTOMATE YOUR ASSET AUDITS AND IMPROVE ACCURACY

Establishing the existence and location of an organisation's assets, and evaluating their usable condition is a crucial business task for small and large organisations.

Quickly and effectively tag and capture new assets or maintain the quality of your asset register data with regular asset audits.

By automating time intensive audits and data collection, the Hardcat Barcoding Module offers a fast, accurate and discreet method of identifying fixed and portable assets - from desks, chairs, and large mainframe computers, to fax machines, photocopiers, modems, PCs, portables, and mobile phones.

Information is recorded via MiCatX specially designed by Hardcat to enable the system user to collect data efficiently, accurately and in an organised and efficient format, using predefined lists of various criteria, based on your organisation's unique structure and requirements.

Hardcat's smartphone and tablet App MiCatX allows for:

- Consistency of captured data
- Rapid selection of criteria in drop-down lists or barcode scan-able fields. Facility to create new criteria "on the fly"
- Achievable near-perfect accuracy
- The amount of time lost through human error to be reduced to an absolute minimum
- The capture of GPS co-ordinates
- Photographs to be attached to the asset record to identify the asset or to record the condition of the asset
- Comprehensive in-situ exception reporting
- On-the-spot investigation of what's still to be audited or sighted... no matter what type of asset...parent or child

PREVENTATIVE MAINTENANCE MODULE

SIMPLIFY AND IMPROVE CONTROL OF YOUR ASSET MAINTENANCE

The Hardcat Preventative Maintenance software is used Worldwide to maintain all types of operational equipment, assemblies, and their components, typically by Location/ Project/ Parent-Child/Product-Type/and Equipment-Type.

Behind the Preventative Maintenance module sits a very large, scalable database that can manage hundreds of thousands of individual items of equipment. Hardcat handles the through-life history of the asset from inception through to disposal.

The Preventative Maintenance module allows the complete tracking of planned and reactive activity against an asset as well as the time and cost of maintaining the asset base. The user can look at past, current and future maintenance plans for an asset, or groups of assets.

This module allows users to set up common tasks or templates and automatically create scheduled Work Orders, both recurring and one-off. Work Orders can be triggered by Date or Unit information, or a combination of both. Ad-hoc Work Orders can also be actioned.

Imminent or Overdue Work Orders can automatically be flagged by email to the appropriate parties.

Hardcat Preventative Maintenance information is available through the following presentation methods:

- Job card or work order print-out
- Access via web browser. field-based mobile App, smartphone technology
- Complete control of all your planned and reactive asset maintenance and efficiently manage your maintenance crews
- Maximise your productivity by setting up common tasks, templates and work-flows and automatically schedule recurring work orders
- Automate alerts of pending, in-progress, incomplete and missed maintenance events, with in-built escalations, so maintenance is always completed on time, every time

DEPRECIATION MODULE

SAVE TIME WITH DEPRECIATION CALCULATIONS AND REPORTING

Hardcat's Depreciation Module boasts unparalleled flexibility both in structure and reporting to allow virtually any depreciation scenario to be handled.

Unlike other depreciation solutions, non-depreciable assets such as leased items can be maintained in the same asset database and appear in an asset listing without appearing in the depreciation schedule.

It is also possible for other asset register users (e.g., IT staff, maintenance staff) to have their own asset classification system without affecting the asset type structure set up for depreciation purposes.

Advanced security ensures against non-finance staff accidentally changing any financial asset values or structures.

Hardcat's Depreciation Module offers considerable time savings with depreciation calculations and corporate reporting.

- Easy to use and highly configurable - Add, change, or dispose of assets, including reversing disposals.
- Run a depreciation calculation as many times within a period as you need.
- Easy transfer of data to and from popular spreadsheet and other applications.
- New assets are automatically adopted into the correct depreciation class.
- Automate the delivery of PDF's or Excel spread sheets containing depreciation information via email in a consistent and timely manner.
- Simple access - Disseminate depreciation values across the organisation, filtered accordingly, via HardcatWeb.
- Fraction of the cost of large ERP's.
- There are multiple books within the system, allowing the user to cater for Tax, Book as well as forecast future depreciation runs.
- The user will never run out of possibilities as the system caters for 9,999 different sets.
- It is the only regulatory compliant software of its kind and permits 'what if' scenarios Able to be integrated with large ERP's such as SAP, Oracle, Dynamics etc.

HELP DESK MODULE

IMPROVE YOUR SERVICE MANAGEMENT AND REDUCE YOUR COSTS

A key system benefit is the ability to escalate problems and calculate the downtime for performance statistics on assets, asset types and suppliers. Change management requests can be accurately tracked with a complete audit trail. Permits you to track all IT problem calls and actions taken along with costs. It also contains a knowledge base and comprehensive reporting. Provides you with an effective means to immediately respond to Help Desk inquiries and satisfy your internal constituencies.

Highlight assets requiring maintenance that have a low or no value. Thus, preventing the user from spending time and money maintaining assets that should be replaced. By registering and maintaining up-to-date records on all hardware and software problems, users can immediately identify assets under warranty, maintenance support details and the performance history of each asset.

The MiCatX mobile App Help Desk feature filters problem list by All or Mine or just those assigned to you or a specific location. On the problem list, Barcode, Description, Status, and Priority (pull-down lists) are displayed. To view the full problem simply click on desired problem record. Once a field technician completes and closes a work order, it is automatically removed from the technicians list and updated in the Hardcat database.

The Hardcat Help Desk Module allows a single integrated solution.

- IT service management
- Fault logging, reporting, and resolution
- Change management
- Technical knowledge base
- Reduced Help Desk staff - Self resolution via knowledge base
- Retained knowledge base - Impact of the turnover of key help desk staff is dramatically reduced

STOCK AND INVENTORY MODULE

OPTIMISE YOUR STOCK LEVELS FOR MAXIMUM PRODUCTIVITY

The Hardcat Stock Module allows users to track stock (stationery, office supplies) and consumables (toner cartridges, spare parts, engine oil, MRO etc.).

As well as allowing the user to know where stock is located and the quantity, this module will also keep track of how, when and what quantity of stock is used for what purposes.

The module allows the user to maintain optimum stock levels (not too high not too low) as well as a complete history of pricing changes.

Permits one to track, re-order, move, change, and report on stock or consumables. A simple, on-line database of stock inventory.

The Module allows the user to maintain optimum stock levels as well as a complete history of pricing changes.

Integration between the Stock Module and Hardcat's Maintenance and Help Desk functionality allows an organisation to know what spare parts are critical to avoid loss of productivity in the event of equipment breakdown.

Having an accurate inventory of spares allows an organisation to immediately effect repairs, rather than wait for the appropriate parts to arrive.

- Ensuring not overstocking or under stocking
- Audit trail of stock usage
- Automatic reorder of stock based upon usage
- Ensuring critical spares (e.g., for machinery used in production) are always available in the event of breakdown
- Simple and effective budget management
- Caters for multiple foreign currencies



PROCUREMENT AND PURCHASING MODULE

TAKE CONTROL OF YOUR PROCUREMENT PROCESS

The Hardcat Procurement Module offers comprehensive management control of all order processing of assets, from budgeting, purchase order, goods delivery, to invoicing and final disposal.

By entering purchase order information directly into Hardcat, users can see 'at a glance' what assets are on order, their cost, what has been received and those overdue.

A very powerful on-line "end to end" purchasing system which allows employees to request items, route them to management for approval and then records receipt of assets into the core asset register.

Get complete control over the procurement process of all assets and inventory starting at the purchase request all the way through purchase order, budgeting, goods delivery, and invoicing.

At the end of the day, it all comes down to being in a much better position to start analysing all the data and being more strategic about how you can manage costs, improve efficiency and extend the life of assets.

The Purchasing module promotes savings through:

- Control of receipt of goods
- Knowledge of outstanding orders
- Prevent over ordering
- Knowledge of payments to be made
- Seamless integration between the purchasing and receipt of goods into the asset register
- Ensuring that the correct stock levels are maintained (avoid short orders or surplus orders)
- Budget management

Automate administrative tasks such as:

- Purchasing costs, VAT/GST administration and price totals
- Templates for standard purchase order entries
- Asset association with different cost centres and budgets
- Automatic re-order function for stock when quantity levels are reached

HARDCATWEB MODULE

EXTEND THE HARDCAT SOLUTION TO YOUR WHOLE ORGANISATION

The HardcatWeb module does not replace your current Hardcat system, it compliments it.

By installing the HardcatWeb module you can disseminate Hardcat data to remote locations with complete security. It simply sits on top of your current system.

HardcatWeb enables you to extend the Hardcat solution throughout your organisation, without exposing the full functionality of the traditional Hardcat client/server Windows application.

Now Hardcat reporting is available to key stakeholders who may wish to access reports, without having to install the Windows client on their desktop or learn how to navigate through the various Hardcat modules to locate the relevant data.

HardcatWeb users can simply select a report and a predefined search criteria to apply to any business query. Example: Report: Assets by Location, Search: Leased IT assets only.

Increased visibility of the comprehensive Hardcat database via the web browser will allow a host of benefits, including:

- Greater oversight and accountability for assets
- Better responsiveness to their care and maintenance
- Reduction in information bottlenecks
- More rapid and timely update of basic asset data such as current location
- Smart options to allow administrators to tailor that access to suit user requirements and capabilities

GEO MAPPING APPLICATION

SEE YOUR ASSETS AND WORK ORDERS AT A GLANCE

Hardcat has combined its HardcatWeb module with GIS maps to allow users to collect GPS x, y and z co-ordinates from a smartphone or tablet. This GPS information is stored in Hardcat against the particular asset.

Hardcat also allows GPS co-ordinates to be associated with, asset locations, people, work orders and help/service desk.

Capturing GPS coordinates and entering this data against the assets allows your geographically scattered assets and personnel to be viewed on a map. For increased operational insight, for identifying opportunities, reducing risk and adapting for the future.

Clear map visualisation of the significance of a certain location, is a key contextual component when making critical business decisions about an asset's value.

By combining maps into the HardcatWeb module the user is able see what they are looking for on a map:

ASSETS

- All assets
- Assets of a particular type
- Selected assets

WORK ORDERS

- Open work orders
- The last five work orders created
- Specific work orders

PROBLEMS

- Open work problems
- The last five problems created
- Specific problems

MICATX SMARTPHONE AND TABLET APPLICATION

TAKE CONTROL AND BE IN TOUCH ANYWHERE AND ANYTIME

The Hardcat MiCatX smartphone and tablet application allows Assets, Asset Audits, Maintenance and Help Desk functions to be performed anywhere anytime. The Hardcat Smartphone App referred to as MiCatX is free and ready for you to download.

MiCatX allows the following functions:

- Create, view, and edit work orders on the iPhone or Android App
- Works in a 'live' connected stage to the Hardcat database so any work performed is reflected back on the Hardcat database straight away
- Covers 75% of work order managements activities that can be performed from the traditional Hardcat software
- Full integration with the smartphone camera Access to work order presets, actions, details
- Create work orders out on the job when unscheduled/immediate repairs are identified
- Real-time job allocation - Jobs can be raised in the head office and will show up on the smartphone of engineers' who are already on-site
- No need to perform manual upload/download of data from the Hardcat database
- Real-time job status updates



MICATX SMARTPHONE AND TABLET APPLICATION

TAKE CONTROL AND BE IN TOUCH ANYWHERE AND ANYTIME

Mobile users can complete inspections, view detailed asset history, and easily track parts and labour in real time. Enabling simple, fast, and reliable communication between the office and field. Work performed is updated immediately in the Hardcat database (or when an Internet connection is available) with no manual upload / download of data*.

*Go off-line in a non-connected state, MiCatX stores data locally on your device allowing MiCatX access in areas with limited or no Internet.



- Schedule and create work orders from the Hardcat system
- Allocate work orders to individual or groups of maintenance staff
- Provide external contractors or engineers with MiCatX phone App access to view only their work orders
- Allocate work orders to external contractors (individuals or group)
- Contractors can see their work schedules at all times
- Complete the task and update any information in real time while in the field The system administrator has full visibility of all real-time maintenance activity
- Reduce the paperwork and associated time-consuming follow-up activities
- Cost Savings!

SOFTWARE DISCOVERY APPLICATION

THE BEST OF BOTH WORLDS HARDWARE AND SOFTWARE

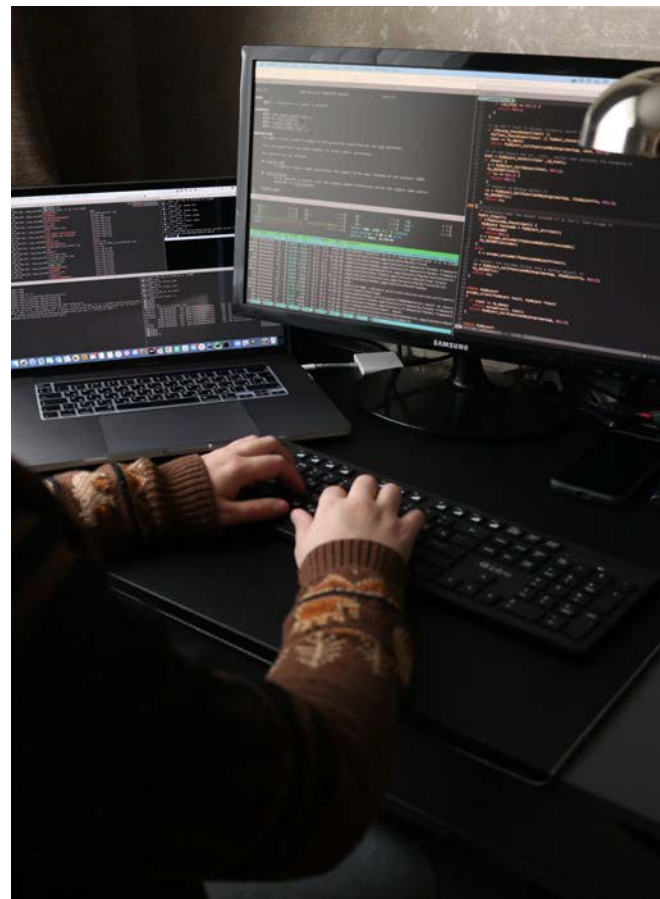
Users of Microsoft System Center Configuration Manager (SCCM) will be familiar with its capabilities as a sophisticated software management suite.

SCCM allows administrators to manage large numbers of Windows computers and is designed to allow for remote control, patch management, operating system deployment, network protection and other various services.

SCCM was formerly known as Systems Management Server (SMS). In 2007, SMS was renamed to SCCM.

Hardcat has developed a great companion tool allowing you to interrogate your SMS 2003 or SCCM 2007/2012 system and store system properties against objects in your Hardcat asset management database.

Our tool even logs changes and sends alerts to named administrators.



INTEGRATION TOOLS APPLICATION

GET THE BEST OUT OF YOUR CURRENT ENVIRONMENT

Hardcat recognises that an entire solution is often comprised of lots of different systems and we are dedicated to ensuring that the user experience is seamless, regardless of the systems involved.

Out of the box, Hardcat provides users with a powerful import and export capability. Imports/exports can be scheduled to meet data synchronisation requirements.

For real-time activities, the Hardcat Professional Services Team can tailor an interface to meet an organisation's exacting requirements.

The Hardcat API's allows users to perform Hardcat functions from other systems such as create/delete assets, update asset GPS coordinates, and edit asset details such as location, person, cost centre and supplier.



Hardcat has experience integrating to the largest and smallest packages, from ERPs to small, bespoke accounting systems and even hardware auto-discovery tools.

The team will work closely with a customer and their (potentially) many product partners to answer the following questions...

- What systems need to 'talk' and why?
- Who will be performing the integration?
- What technologies are available to 'talk' to the other systems?
- What data transformation needs to take place between systems?
- What information goes in?
- What information goes out?

DATA CAPTURE, AUDIT AND RECONCILIATION SERVICES

NEED US TO DO IT ALL FOR YOU?

The most common issues that organisations face when managing assets regardless of the software deployed is accuracy of the asset register itself. The biggest problem surrounding this inaccuracy of data lies in the reconciliation of the assets registered in the database vs the assets that are physically there.

Hardcat asset audit services, utilising Hardcat software along with the mobile App MiCatX and hand-held devices can quickly and effectively:

- Capture new assets
- Audit existing assets
- Reconcile back to the financial and other corporate systems

The key drivers for conducting data capture, audit and reconciling is:

- Audit compliance
- Financial reconciliation
- Validating and updating asset register
- Creation of an asset register
- Barcoding of assets for future audits
- Identifying what exists and what doesn't for tax purposes
- Further asset detail gathering for more in-formed procurement
- decisions Stock take of assets
- Condition of assets for 'maintenance' regimes.

CONSULTANCY

It does not matter what ERP or accounting system you are using. The data captured will be supplied in the commonly used CSV text file format that can be imported into your existing system. All Hardcat partners are trained to offer consultancy services. We will listen to your requirements and produce a tailored solution to suit your needs.

BARCODE AND RFID TAGS AND HARDWARE

HARDCAT IS A ONE STOP SHOP SUPPLYING READERS AND LABELS

A mix of RFID tags and barcode labels can be used to tag assets, depending on the equipment surface and material suited to its environment and conditions. Equipment tags can be made to withstand harsh environments and conditions.



MC3300 RFID
Series Barcode
Scanners



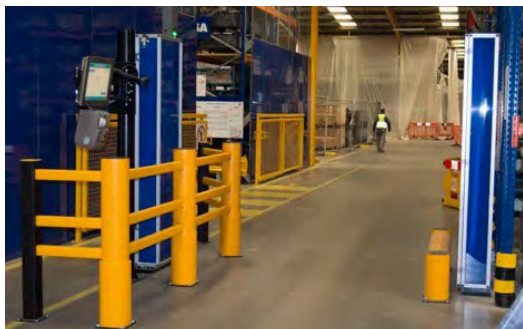
RFID 8500 RFID
1/2D Scanner



Laser Etched 2D
Barcode



Barcode on metal
surface



Fixed Readers



HARDCAT

Delivering Asset Certainty

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.

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