



Redkite Asset Management System

'When only the best will do.'



Redkite Systems AMS Overview



What is Redkite AMS?

Redkite AMS is a cradle to grave asset management system made up of several modules:

- ✓ The AMS Core Module manages inventory as well as scheduled and un-scheduled tests and inspections and servicing, retaining a life-long record; it also provides a range of reports including capital replacement budgets;
- ✓ The AMS Defect Management Module manages defects, sending email alerts and progress reports as it tracks through the repair process;
- ✓ AMS Mobile Companion allows the use of bar codes and RFID with real time upload and download;
- ✓ AMS Stores Management Module provides functions to undertake all stores management activities including stock control and allocations (to locations and individuals);
- ✓ AMS On-line Requisition Module allows authorised personnel to order goods from stores electronically.

100% for reliability

With more than **500 million test records covering the life of 750,000 items of equipment on behalf of over 150 companies** we provide a reliable and **secure FREE web based hosted service** available **24/7/365** backed up by support of the highest quality. But don't take our word for it. In a recent customer survey Redkite AMS scored:

- 100% for reliability
- 100% for courtesy
- 100% for speed of response
- 100% for resolution of query



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Redkite Systems Ltd is the trading name for Performance Monitoring Systems Ltd

You'll wonder how you managed without it!

What can I record on Redkite AMS?

The Redkite AMS can be used to manage any type of asset including:

- ✓ Property
- ✓ Operational Equipment
- ✓ Vehicles
- ✓ Lifting Equipment
- ✓ Small gear
- ✓ Consumables / Non-consumables
- ✓ Personal Protective clothing
- ✓ Communications Equipment

If it is an asset – then you can enter it on the system.

Can I use bar codes or RFID with Redkite AMS?

Yes – you can use either or both. All you need is a suitable reader and bar-code labels or RFID tags. No application runs on the reader – everything is undertaken via the internet providing real-time updates of inventory checks and test and inspection

Where are Redkite systems in use?

99% of UK
Airports*

45% of Local
Authorities**

Many private
companies

*CAT 2 and above. **England and Wales

Who can use Redkite AMS?

Redkite AMS is suitable for any organisation, company or sector – airports, emergency services, fire & rescue, health, sub-sea engineering, off shore oil & gas, local authorities, military, education; any organisation with a serious need to maintain robust and reliable asset records. Subject to license there are no restrictions on the number of items of equipment or access locations.



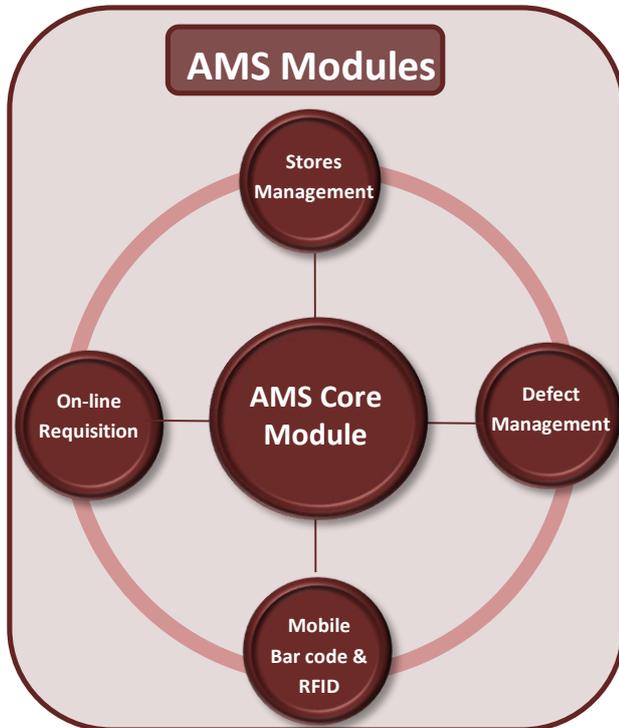
For further information: call or visit
www.slideshare.net/DavidArber



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Redkite Systems AMS Modules



Redkite AMS Modules

The Redkite Asset Management System is modular in design and each module integrates seamlessly with all other Redkite modules and products. Tried and tested over many years it has proved ideal for any organisation. All modules require the AMS Core Module and the On-line Requisition Module is supplied as standard with the AMS Stores Management Module.

AMS Defect Management Module

The AMS Defect Management Module can initiate a full defect action when an asset fails a test and enables the tracking of repairs from notification to re-instatement. Email and SMS notifications are available ensuring responsible personnel are informed of progress. Colour coded status aids visual tracking.

AMS Core Module

The AMS Core Module is at the heart of the Redkite AMS and currently maintains and manages over 750,000 assets together with their life-long test, inspection and maintenance and service records.

- ✓ Provides a centralised management overview ensuring that assets are located in the correct place and have been tested and inspected to ensure optimum safety;
- ✓ Daily worksheets outlining all scheduled and overdue safety tests and inspections our downloaded directly to the desktop, tablet, phone or bar code reader and are tailored to meet the users' competence set;
- ✓ A life-long auditable record of all safety inspections, servicing and repairs is held for each asset;
- ✓ Inventory checks can be matched against asset templates to ensure that the correct equipment is held at a location;
- ✓ Allocations of assets can be made to locations / cost centres / departments or individuals;
- ✓ Initiates a basic defect action when an asset fails a test or inspection;
- ✓ A standard menu of customizable reports provides a wealth of management information quickly and easily.

AMS Mobile Companion

AMS Mobile Companion is held centrally and is accessed via the web browser on suitable hand-held bar code / RFID readers allowing your staff to undertake inventory checks and record the outcomes of test and inspections whilst roaming. Inventory and test updates take place in real time – no manual uploading. Daily worksheets and inventory checklists are downloaded directly to the reader.

Redkite Stores Management

AMS Stores Management Module is fully featured and handles all aspects of stores management from initial purchase, stock control, allocations and reconciliations to final disposal. The module includes the AMS On-line Requisition Module allowing users with authorisation to order assets from stores electronically. Requests can require authorisation and all requests are recorded allowing tracking of what has been ordered by who and the cost of the orders over any time period.





Redkite Systems AMS Core Module



AMS Core module

The AMS Core Module is the best-selling hub of the Redkite Asset Management System. It holds a central register with a wealth of information on every asset, maintains life-long test and service records; prompting when re-testing is due and provides a comprehensive range of customisable management reports from a standard menu.

You'll wonder how you managed without it.

Where are my assets? Are they in the right place? Are my appliances fully equipped?

The AMS Core Module holds a central register containing a wealth of information on each asset. Inventory checklists quickly show where assets have been allocated - people, locations, vehicles or jobs ensuring that assets have been allocated in line with needs – no point turning out / up for a job with essential assets missing! Surplus and missing assets can quickly be identified.

Have my assets been tested and serviced properly?

The AMS Core Module provides a central and local management overview of all tests and inspections due, completed and overdue. Any test or service type can be defined and daily prompts continue to be presented until a scheduled activity has been undertaken ensuring that nothing is overlooked. The AMS Core Module informs when the next test or service is due and holds life-long record of all tests, inspections and servicing carried out on every asset. In addition it records who carried out the test and their competence level. It also shows what repairs are needed or have been undertaken. Test results from outside contractors and insurance companies can be imported.

Where are Redkite systems in use?

The Redkite AMS Core module has been in continuous daily use since 1999 when it was first introduced into Warwickshire Fire & Rescue Service. Redkite systems are currently in daily use in:

99% of UK
Airports*

45% of Local
Authorities*

Many private
companies

*CAT 2 and above. **Local Authorities in England and Wales

I want to know when my assets become due for replacement and how much I need to budget.

Enter any date range and look at all or selected types of asset and details of each replacement with likely replacement costs will be shown. It is as simple as that! Many similar budget reports are available.

What happens when an asset fails a test?

That will depend on the nature of the failure. For minor issues the asset may be left in service; for major issues it will be taken 'off-the run' and a basic defect report initiated.

What about PUWER and LOLER and other health and safety and legal requirements?

'Through the quality recording of the results of tests and inspections using a very straightforward test entry facility the Redkite AMS discharges the legislative responsibilities of the Provision and User of Work Equipment Regulations (PUWER) and, where applicable, the Lifting Operations and Lifting Equipment Regulations (LOLER) requirements. The rigorous test regimes that can be imposed through the Redkite AMS also help ensure that your assets are safe to use.' Hereford and Worcester FRS

Is the Redkite AMS Core Module reliable?

Every day it is estimated that over 250,000 test records are entered into the AMS Core Module which cost effectively manages over 750,000 assets for 150+ companies and has never failed. But don't just take our word for it. In a recent customer satisfaction survey Redkite AMS and Redkite Systems scored: **100% for reliability, courtesy, speed of response and resolution of query.**



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Redkite Systems AMS Inventory Management



Inventory checks

An inventory check list can be produced for all or any combination of locations, generic groups of assets, (e.g. vehicles) or specific types of asset (e.g. Water tender) allowing manual visual inventory checks to be made.

The AMS Mobile Companion Module facilitates inventory checks using a handheld reader for use with bar codes or RFID tags.

Using readers the user scans the bar code or RFID tag and the system automatically records that the asset has been 'found'.

Users will be notified when an asset is 'found' at a location other than where it has been allocated and appropriate action can be taken to re-locate the asset or move it to its original location.

Because an inventory check updates the central register in real time many people can work on the same inventory check and the check can be ended and restarted without any risk of duplication.

No upload or download of information is required – all checks and updates are made in real time via the web.

Asset Templates

Custom templates can be created showing what assets a location (for example, a vehicle or building) should contain or hold to ensure that appropriate assets are available to meet operational and safety requirements.

"Missing" items and items found to be surplus on an inventory check are reported and template statistics are updated.

This can be crucial when deploying assets in response to emergencies or for safety critical work.

AMS Inventory Management

Inventory Management is undertaken through the AMS Core Module. The optional AMS Mobile Companion Module can also be used, if required. The AMS Core Module contains a wealth of information on each asset including a record of all inventory checks carried out.

The information held on each asset includes:

- ✓ A detailed description;
- ✓ Where the asset is currently located (using up to four levels of location and sub-location) and, if for personal use, to whom the asset has been allocated;
- ✓ A life-long history of where and to whom the asset has been allocated;
- ✓ Any risk assessments associated with the asset;
- ✓ A life-long history of tests, inspections, maintenance and servicing carried out on each asset together with the competence of the person who undertook the activity;
- ✓ The date purchased and start date of operational use;
- ✓ The expected life expiry date;
- ✓ The anticipated replacement costs;
- ✓ Ownership details (purchased, leased, etc., together with lease details, if appropriate);
- ✓ The disposal method and disposal date;
- ✓ Whether the asset is in active service, withdrawn or out of service for repair or maintenance;
- ✓ A record of health and safety incidents or accidents;
- ✓ The life cycle costs broken down into labour and parts;
- ✓ The mean-time between repairs;
- ✓ Readings associated with usage, tests, inspections and maintenance.





Redkite Systems AMS Tests and Inspections



Managing scheduled and un-scheduled tests, inspections, maintenance and servicing.

Activities such as tests, inspections, maintenance and servicing are managed through the AMS Core Module which holds a life long record of all activities undertaken on every asset.

The AMS Core Module also manages all tests, etc. that need to be repeated, prompting users when they become due.

Worksheets.

The AMS Core Module creates and delivers daily or periodical worksheets outlining all scheduled activities and can be customised to match the abilities of the person carrying out the activities.

Worksheets show all activities due and those that are overdue and are designed to be used as check lists with areas for users to enter test outcomes and comments, together with a signature. On completion, the information will be entered into the AMS Core Module via a computer terminal.

On entering the information re-test, inspection or service dates will be set automatically.

Worksheets can be produced for any future period of time to facilitate replacement planning where capital assets will be out of service for, say, scheduled maintenance.

The test and inspection facilities are very flexible.

Test and maintenance activities are defined by yourselves and will include the frequency at which the activity will be repeated: this can either be periodic (i.e. weekly) or based on usage (i.e. 2000 miles / km). There are no restrictions to the number of test types you define and you can set tests to be undertaken on a specific day of the week or date in the month, if required.



Bar code readers.

Hand-held bar code and RFID readers can also be used to record tests and inspections using the **AMS Mobile Companion** software. Daily or periodical worksheets are delivered directly to the reader via the internet and no software needs to be installed on the reader. Test outcomes and related information can be entered directly on the handheld and, on saving, central records are updated instantly.

As each activity is recorded it is removed from the "to do" list. On updating records the date the test is next due is reset automatically.

Nothing is stored on the reader and therefore there is no need to upload or download information. If you have to break off from your work for any reason you simply start where you left off.

The activity is recorded in the AMS Core Module and saved for the life-time of the asset.

Life-long records contain:

- ✓ The date the activity was carried out;
- ✓ What type of activity was undertaken;
- ✓ The person who carried out the activity;
- ✓ The competence held by the person carrying out the activity;
- ✓ What procedures were followed;
- ✓ The outcome of the activity – Pass, or Fail or "Other";
- ✓ Any defects with a brief description;
- ✓ Whether the asset was taken out of service;
- ✓ Any readings associated with the activity;
- ✓ Any related documentation;
- ✓ Where required, details of how the asset was used.

The record also includes all assets movements.



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Redkite Systems AMS Defect Management



AMS Defect Management Module

Your assets are valuable and when they need repairing you want to keep track of where they are in the repair process and be kept informed of progress.

The Redkite AMS Defect Management Module tracks progress and keeps relevant people informed via email or SMS.

EQ Code	Description	Defect	Location	Barcode No.	Status	Date	Required Date	Completed Date	Priority	Reference
OH03100001	*BRANCH - FB5X & P/UP TUBE	FRAYED CABLE	01 - COVENTRY	00020542	OPEN	02/05/2014			●	DEF49
OA00200001	BA - CYLINDER 1800LTS	DEFECTED	SOME TOWN	123456789	IN REPAIR	02/05/2014			●	DEF50
OA00200001	BA - CYLINDER 1800LTS	CRACKED WINDSCREEN	SOME TOWN	123456789	CONTRACTOR ASSIGNED	02/05/2014			●	DEF51
OL00406003	*LADDER - ROOF	DEFECTED	04 - NEWCASTLE	00020509	OPEN	25/03/2014			●	DEF38
OA00200001	BA - CYLINDER 1800LTS	DEFECTED	SOME TOWN	123456789	CONTRACTOR ASSIGNED	08/01/2014			●	DEF34
OA00200001	BA - CYLINDER 1800LTS	DENT IN BODY	SOME TOWN	123456789	AWAY FOR REPAIR	08/01/2014			●	DEF36

- ✓ Integrates seamlessly with the Redkite AMS Core Module allowing defect actions to be created when an asset fails a test or inspection
- ✓ Responsible personnel receive Email /SMS notifications of new defects, updated defect status and completed defects with direct link back to the defect record
- ✓ Tracks progress through the repair process
- ✓ Tracks actual versus estimated costs and invoice detail
- ✓ An extensive range of management reports provide a wealth of information from a comprehensive query screen
- ✓ Colour coded defect priorities for ease of use
- ✓ Current status showing Total Defects Closed, Total Defects Open, Total Defects Pending, Total Defects Replacements needed, etc. always shows on Defects Search screen

Defect Details			
Ref: DEF33	Equipment code: OA00200001	Barcode No.: 123456789	Serial No.: ALT1110
Defect date: 07/1/2014	Defect type: EQUIPMENT	Status: OPEN	Priority: Green
Completed date:	Defect description: DEFECTED	Issue: -- No Selection --	
Defect Details		Recorded By: 12345 MARTIN	Date: 07/01/2014
Mask Demand Valve sticking			
Repairer type: Internal	Contractor 1	Contact name: John Smith	Telephone No.:
Estimated cost: 0	Actual cost: 0	Cost allocation:	Invoice No.:
Repairs / Actions Undertaken:		Recorded By: 12345 MARTIN	Date: 08/05/2014 09:47:47
Assigned external repairer: Contractor 1		Email sent to external contractor: Contractor 1	Date: 08/05/2014 09:47:51





Redkite Systems AMS Mobile Companion



AMS Mobile Companion

Bar-code and RFID
Real-time synchronised data upload and
download from multiple readers.

The Redkite AMS Mobile Companion is an optional module and is designed to expedite inventory checks and the entry of tests and inspections using bar code or RFID readers quickly and easily without the need to visit on-site computers.

Does any software have to be installed on the reader?

No. The AMS Mobile Companion is web based software that is accessed via the web browser on the reader using a wireless (Wi-Fi) or telephone (3G or 4G) connection in the same way you would access any other web site. Access to the Mobile Companion software is only available to authorised users and is opened on commencement of an activity and closed on completion. No Redkite software is installed on the reader. Many makes of readers can be used but please check **BEFORE** you purchase readers.

How do worksheets showing daily tests and inspections or inventory check lists get downloaded onto the reader?

They don't! On logging on to the system and selecting an activity (Test or Inventory) the software will recognise you and your competence level and will automatically send the tailored worksheet directly to the reader.

How do I upload results once I have completed the work? Is there a problem if I am called to another job?

When you finish work, even if unexpectedly, everything you have done up to that point will already have been saved so nothing will get lost. Nothing needs to be uploaded. If you resume work later the software will let you continue from where you left off.

How much training will my staff require?

The AMS Mobile Companion software is very easy to use, requiring little or no training and, because nothing is installed on the reader, it can be implemented very quickly.

I need to have more than one person carrying out an inventory check - is this a problem?

Not at all. Inventory check lists are continuously refreshed on all readers and each user will only see items to scan that have not already been scanned. If you stop and re-start an inventory check then you will re-start where you left off.

What readers can I use?

Whilst you can use any compatible hand held reader, we can suggest a selection of tried and tested hand held bar-code and RFID readers including those that can be used on most popular makes of smart phones. If you already have bar code readers or decide to purchase independently please check suitability **BEFORE** you purchase.



What about bar code labels and RFID tags?

Redkite Systems do not supply bar code labels or RFID tags but we have a large number of clients whom you can contact to establish the best tags for your needs.

Can I see the AMS Mobile Companion in action?

Yes – give us a call and we can arrange for you to meet up with one of our many customers.

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Redkite Systems AMS Stores Management



AMS Stores Management Module

The AMS Stores Management Module is fully featured and can either be supplied as a stand-alone system or as an optional addition to the Redkite Asset Management System enabling the management of both fixed and consumable assets from initial purchase through to final disposal.

“We have recently purchased the Redkite Stores Management Module and the Redkite On-line Requisition Module as an addition to the Redkite AMS system that has been successfully used at our Fire Stations on a daily basis for many years. The implementation time, the ability to customise screens specific to our needs and the resulting ease of use by our user community all verify not only the excellent design of the systems, but also the quality of the whole team at Redkite Systems.”

Peter J Meredith
Northamptonshire Fire and Rescue Service

- ✓ Integrates seamlessly with the Redkite AMS Core Module
- ✓ Monitors minimum stock levels
- ✓ Monitors stock re-order levels
- ✓ Contains an internal preferred supplier list
- ✓ Uses a batch entry system for single or multiple items
- ✓ Handles consumable and capital assets
- ✓ Allocation of items on a first in – first out principle to ensure stock is used in rotation
- ✓ Allocations can be to locations (departments, vehicles, sites, for example) or to individuals
- ✓ Order status report showing open, partially fulfilled and closed orders
- ✓ Retains all information relating to cost
- ✓ Comprehensive management reports provide a wealth of information from a standard menu

The AMS Stores Management Module records details of all purchases and includes initial purchase price, date of purchase, invoice value, supplier and cost centre details.

Goods received are entered onto the system in batches. On entry, and where appropriate, an end of life cycle date can be entered together with expected replacement cost to facilitate capital replacement planning.

Items are requisitioned from stores either using traditional paper based methods or via the AMS On-line Requisition Module which is supplied as standard.

The AMS On-line Requisition Module allows authorised users to order goods from stores electronically. Requisitions may require authorisation before being submitted to stores.



A record of all requests for goods is maintained. The system records who has requested what and when and this facilitates the analysis of supply by individual and cost centre at any time. Budget restrictions can also be applied.

Items are allocated to locations / individuals on a first in - first out basis to ensure stock rotation.

Stock checks can be undertaken and manual reconciliations and adjustments can be made.

A bar-code facility is available to speed up stock checking.





Redkite Systems AMS On-line Requisition



AMS On-line Requisition Module

The On-line Requisition feature is a powerful addition to the Redkite Asset Management System and is supplied with the AMS Stores Management System as standard.

AMS On-line Requisition is an optional module designed to integrate with the AMS Core Module and AMS Stores Management Module to facilitate electronic ordering of parts and equipment, automating many time consuming paper based processes when managing requests for parts and equipment.

AMS On-line Requisition

- ✓ Allows users to order parts and equipment through an electronic ordering system
- ✓ Authorisation can be needed before orders are processed, if required
- ✓ Orders are automatically passed through to the AMS Stores Management Module as an 'open' order and all open orders are displayed
- ✓ Maintains a record of who has ordered parts and equipment together with associated costs
- ✓ The costs of ordered parts and equipment are recorded against individual and cost centre and can be totalised for any user defined period
- ✓ Helps budget control
- ✓ Supplied as standards with AMS Stores Management Module
- ✓ Internet based - can be accessed by authorised users from any location via a web browser

The AMS On-line Requisition Module allows authorised personnel to submit an electronic order for both fixed and consumable assets from stores.

- ✓ Orders can require additional authorisation, where appropriate.
- ✓ Orders can be traced through the requisition process.
- ✓ The system tracks who has ordered what and when for audit purposes.
- ✓ Very easy to use

