



Equipment Management System

Web based

Inventory

Scheduled maintenance and servicing

Safety examinations, tests and inspections

Asset tracking

Defect reports

RFID and bar-code options

Mobile data capture



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Equipment Management System

Your requirement

You are looking for user friendly computer software to help you manage and locate equipment throughout your organisation.

Your equipment is located over a wide geographic area and requires periodic examination, inspection, test, maintenance and servicing to ensure it is safe to use under PUWER, LOLER and other legislative requirements.

You will be seeking a system that will:

- ✓ provide you with a user friendly, day to day management tool providing routine and ad hoc management reports, including scheduled examinations, tests and inspections quickly and easily
- ✓ provide you with a central overview of the location and condition of your assets across the whole company, no matter how big or small
- ✓ allow staff at remote locations to update equipment records to show what activities have been carried out and report any defects
- ✓ reduce business risk and exposure to liability
- ✓ help prolong the operational life of your assets
- ✓ provide a credible audit trail showing all safety examinations, maintenance and servicing undertaken on every item of equipment
- ✓ be backed up by a company who provide genuine customer support and who work to recognised quality standards.

The solution

The Redkite Equipment Management System provides a unique solution to these requirements. The system combines power with simplicity to provide a highly functional system that can be implemented with only minimal training, providing a rapid return on your investment.



Equipment Management System

Scalable and flexible

The Redkite Equipment Management System combines power with simplicity to provide functional software that can be used by your staff with minimal training no matter where they are located within your organisation.

Centrally located the inventory contains a wealth of information relating to each item of equipment. The inventory can be accessed from anywhere within your organisation by suitably authorised personnel.



ID	Description	UC	End Date
01	3000000000	000	2000000000
02	3000000000	000	2000000000
03	3000000000	000	2000000000
04	3000000000	000	2000000000
05	3000000000	000	2000000000
06	3000000000	000	2000000000
07	3000000000	000	2000000000
08	3000000000	000	2000000000
09	3000000000	000	2000000000
10	3000000000	000	2000000000
11	3000000000	000	2000000000
12	3000000000	000	2000000000
13	3000000000	000	2000000000
14	3000000000	000	2000000000
15	3000000000	000	2000000000
16	3000000000	000	2000000000
17	3000000000	000	2000000000
18	3000000000	000	2000000000
19	3000000000	000	2000000000
20	3000000000	000	2000000000

A wealth of information on each item of equipment is available at the click of your mouse. This includes: location, date of purchase / date commissioned, purchase price and anticipated replacement cost, where purchased, warranty details, life cycle, ownership, financial information and bar code or RFID numbers amongst other things.

Related documentation

A wide range of 'related documentation' can be associated with equipment held in the Redkite EMS. This can include risk assessments, COSHH information, manufacturer certificates, disposal methods, Health and Safety incidents, plus much more. Information can be stored against an equipment type or where appropriate, individual items of equipment.



Equipment Management System

Examination, Test, Inspection, Maintenance and Servicing.

The Redkite EMS provides advance and daily information to enable the centralised scheduling of inspection and testing programmes. The daily prompts continue to be presented until a scheduled inspection or test has been undertaken ensuring that nothing is overlooked.

Competency based profiles ensure that staff entering the outcomes of an inspection or test have the appropriate 'authorisation' and have been trained to the requisite standard.

Through the quality recording of the results of the inspections and tests through a very straightforward test entry facility, the Redkite EMS discharges the legislative responsibilities of the provision and Use of work Equipment Regulations (PUWER) and, where applicable the Lifting Operations and Lifting Equipment Regulations (LOLER) requirements.

In addition to discharging legal responsibilities, periodic routine inspections, maintenance and servicing can save money by helping to prolong the operational life of your equipment and reduce risk exposure to liability.

This facility will be of benefit to any organisation but will be of particular benefit to those organisations with a need to ensure that safety critical inspections as well as routine maintenance and servicing is carried out in a timely fashion and by appropriately qualified staff in order to fulfil mandatory health and safety requirements.

Provides:

- ✓ a web based, on-line, easy to access inspection and test recording facility
- ✓ a fully auditable history showing all inspections, tests and other service activities
- ✓ prompts when activities become due
- ✓ continuing reminders of overdue activities
- ✓ defect reports showing faults to be identified

The Redkite EMS provides a clear and secure record of all testing and maintenance activities undertaken during the life cycle of each item of equipment removing the need for paper records.



Equipment Management System

Standard reports at the click of a mouse.

The Redkite Equipment Management System provides every day management information at the click of a mouse. A menu of user definable reports quickly show:

- ✓ System inventory for one or more locations
- ✓ System inventory for sub-locations within a location
- ✓ Scheduled activities due within a user defined timeframe – allowing you to forward plan staffing requirements / equipment replacements
- ✓ Overdue activities – thus helping to ensure safety critical activities are not overlooked
- ✓ Equipment movements
- ✓ Equipment failures
- ✓ Equipment removed from service
- ✓ 'Missing' equipment
- ✓ "Surplus" equipment
- ✓ Warranty expiry dates

The screenshot shows a 'Report Selection' window. On the left, a list of reports is displayed, with 'Tests Undertaken' selected. On the right, there are several filter options: 'Location' (All Locations), 'Sub Location' (All Sub Locations), 'Equipment code' (two empty input boxes), 'Date From' (10 October 2007), and 'Date To' (10 November 2007). At the bottom, there is a 'Reverse Order' checkbox and 'Select' and 'Back' buttons.

Financial reports are also available and include:

- ✓ Spend on equipment over a specified time span by cost centre / location
- ✓ Breakdown of spend by cost centre across the whole organisation or by asset type
- ✓ Breakdown of spend over time
- ✓ Future planning for end of life cycle replacement costs
- ✓ Accumulative repair costs – parts and labour
- ✓ Residual asset value

Custom Reports can be generated using any Microsoft compatible SQL report writing tool such as Crystal Reports or MS Excel, for example.



Equipment Management System

Redkite EMS Mobile - remote equipment management using barcode and/or RFID

The Redkite EMS Mobile is a robust, versatile, mobile solution that will meet all your equipment management needs.

Based upon the most up to date Psion Teklogix Workabout Pro the Redkite EMS Mobile uses the latest in RFID and barcode technology to provide rapid data capture via wireless or GPRS. Will withstand all the rigours of the everyday work environment.

It is the perfect companion to the Redkite Equipment Management System allowing you to quickly locate and identify items of equipment as well as allowing your staff to undertake inventory checks and record the outcomes of safety inspections whilst 'on-the-road'.

Being web based all information is dynamically uploaded / downloaded via the internet giving you total freedom and flexibility and ensuring that your records are always up to date.

Bar-code and RFID options provide rapid data capture, reduce keyboard error and provide proof positive that an item of equipment has been visited.



- ✓ Upload / download inventory check lists and inspection schedules from your central equipment register (which can be located anywhere in the world) directly on to the Redkite EMS Mobile
- ✓ Take the Redkite EMS Mobile in to any environment wet, dirty, hot or cold.

- ✓ Reads barcodes or RFID tags or information can be entered using the external keyboard
- ✓ Ruggedised reader designed to withstand multiple drops on to hard surfaces
- ✓ Easy to use – integrates wholly with the Redkite Equipment Management System.



Equipment Management System



Initially developed in partnership with Warwickshire Fire & Rescue Service the system is now widely used in Local Authority, Airport and private Fire Services.

Example of 'best practice'

HMI Report for Warwickshire Fire and Rescue Service January 2002

"Warwickshire Fire and Rescue Service has introduced the Redkite Equipment Management System to meet the Health and Safety requirements of Technical Bulletin 1/94 'Periodic Inspection and Testing of Fire Service Equipment' and to meet the 'Qualifying Statements' contained in the HMFSI 'Expectations Manual'.

The software package is a bespoke programme that has now been rolled out to all parts of the Service and is fully operational.

The EMS is a multi-level system, which contains an equipment asset register with an excellent level of information on the equipment itself and also on the checking, testing and examination requirements relating to each piece of equipment.

It also has a recording function for the appropriate checks, tests and examinations as well as a diarised schedule that prompts those with responsibilities to carry them out. The EMS can be interrogated by those with operational management responsibilities and those with HQ functions to monitor whether the appropriate systems are being maintained.

The EMS also recognises the mobile nature of equipment within the Service and contains the necessary flexibility for the transfer of equipment between stations and other locations such as repair workshops.

Several services have already purchased the EMS and it is under active consideration by others. Future development of the system is intended to be carried out on a User Group basis in conjunction with Redkite and other users. We acknowledge the strength and adaptability of the EMS. It appears to meet all the requirements for which it was developed.

It is an example of best practice."