



ENGINEER-DESIGNED SOFTWARE EXPERTS



Does YOUR business
manage **Ex Inspections**
to maximum efficiency?



Control. Manage. Save

Control Ex Inspections to meet regulations

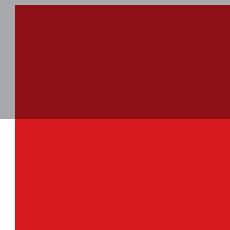
- Carry out predefined ATEX Inspection routines in a paperless workflow. Compliant with BS EN60079-17 (ATEX137/DSEAR) ensuring a consistent, accurate process.
- Unique user pin codes & signature capture for verification of work completed.
- Identify/apply special conditions with an automated process for correct inspections & improved maintenance standards.

Manage Ex Inspections and maintenance with a future proof system

- Dramatically reduce administration error through automation.
- Administrators create own inspection routines for Assets, Systems & Locations, providing total flexibility.
- Web access for immediate access to inspection schedules & reports.

Save up to 80% in time and money by reducing administration

- A full paperless workflow solution allowing all types of inspections & maintenance to be carried out using a mobile device, giving immediate access to data and notification of problems.
- No software support costs for the first 12 months.
- Onsite or remote training provided at NO cost by CompEx engineers.





Providing engineers with
the paperless way to pass!

AMS® workflow...

*Additional applications where ExAMS
can be used as a paperless solution:*

- Fire Alarm tests
- Emergency Lighting Tests
- Plant Inspections
- Testing Emergency Shutdown systems
- Inspections of locations
- Vehicle Inspections
- Valve Inspections
- Scaffolding Contract Management
- Ladders/stepladder inspections



On completing all jobs the
Engineer would return to the PC
to download the results from
the Jobs completed. Any fails
are reported by a Fail Report.
Selected fails are automatically
scheduled for repair by the
software. Other fails are
scheduled for repair/further
action by the Administrator
until exceptions are cleared.
Fully comprehensive reports are
available and accessed by the
Administrator.



4



1

All inspections & maintenance would be added to the Scheduling Calendar. Easily schedule current and future jobs. Auto schedule repairs for failed inspections to ensure serious inspection fails are not overlooked.



Ad hoc maintenance/repairs can also be added to the scheduling calendar. Administrator reminders for overdue and pending jobs. The jobs are uploaded to a mobile device. Different jobs can be selected for control over which engineers carry out what tasks



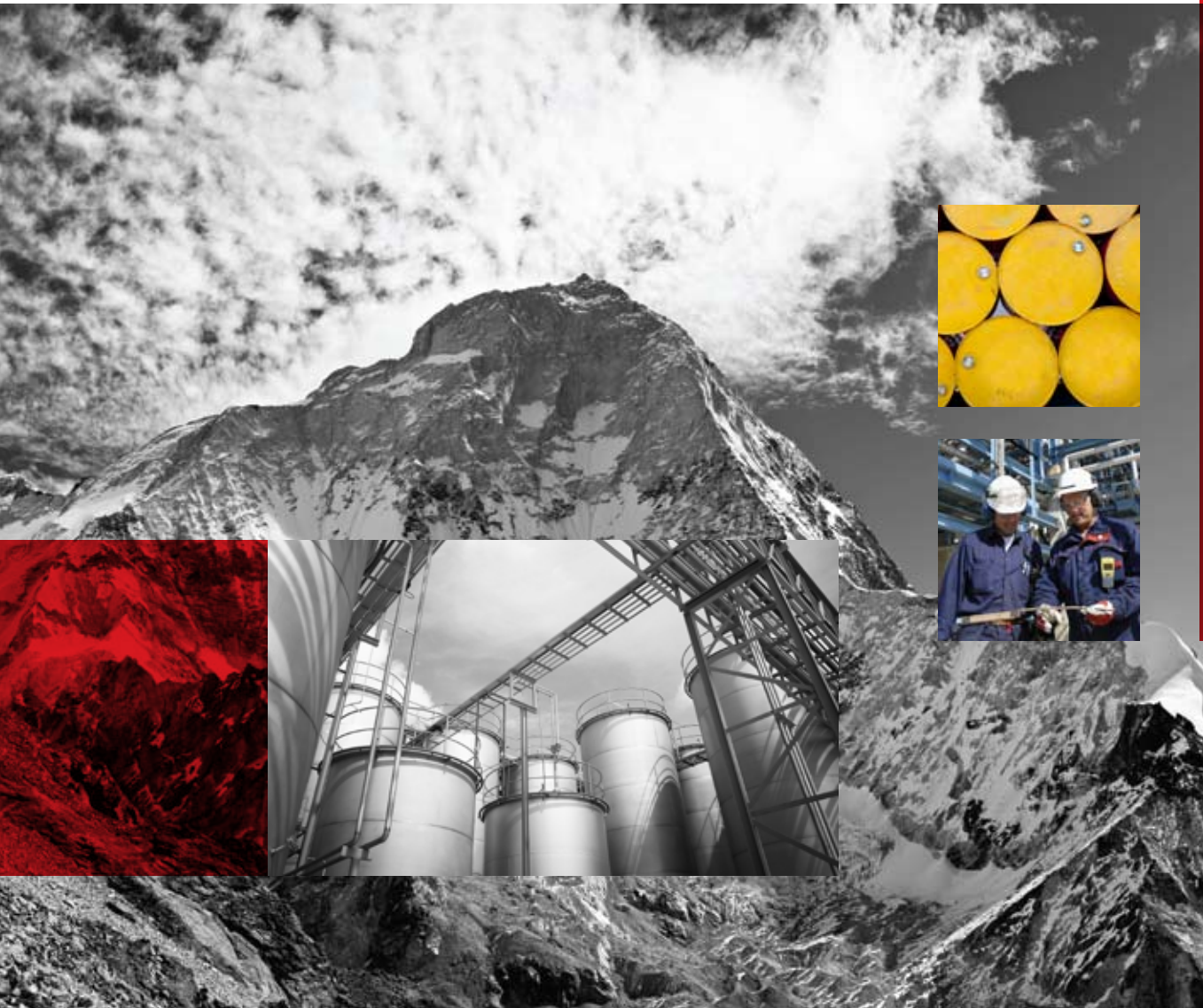
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The Engineers carry out the jobs following the listed prompts. He then enters the results from inspections to the mobile device. Each inspection/ task has to be signed as completed.





CASE STUDY:

Ex ATEX Inspections

Electrical Installations in hazardous areas possess features specially designed to render them suitable for operations in such atmospheres. It is essential for reasons of safety in those areas that, throughout the life of such installations the integrity of those special features is preserved. They therefore require initial inspection, and thereafter, regular inspection or continuous supervision by skilled personnel.

SOLUTION

Developed for the Hazardous Ex industry, to provide a Paperless Solution to help maintain specially designed installations. ExAMS manages the Visual, Close and Detailed inspections to meet DSEAR/ATEX requirements. The Software is used by the end user to ensure all inspections are administered, carried out by competent persons, using RFID tags as verification that the correct equipment has been visited and inspected. ExAMS allows you to:

- Create a register of EX Assets using a mobile device at the location of an Asset
- Schedule visual, Close & Detailed inspections
- Manage Special Conditions as set out in Atex Certificates
- Attach important Atex Certification documents & Drawings to Assets and Systems
- Generate 'User Tasks' for site specific safety inspections and tests
- Provide reminders of up and coming inspections

ExAMS simply uploads the tasks to a mobile device to allow the Engineers to complete inspections in a Paperless flow. Once complete the device is synchronised to the main Database.

Once the database is Synchronised, ExAMS provides many reporting & other features including

- Automatically creating repairs following inspection Fails
- History reports for Assets, Systems and Locations
- Audit reporting for company and External Audits

Making it easy for engineers and departments to follow best practice!

Solid experience...

CASE STUDY:

Storage Tank Hi Hi Alarm

Following the Buncefield, Disaster, many failings were established including:

- Systems for managing the filling of industrial tanks of petrol were both deficient and not fully implemented
- A culture developed where keeping operations going was more important than safe processes, which did not get the attention, resources or priority status they required.

A report by published by Gordon MacDonald, the chairman of the COMAH Competent Authority Strategic Management Group, stated: 'Companies that work in a high hazardous industry need to have strong safety systems in place, underpinned by the right safety culture'

SOLUTION

Help create a safety culture by simplifying inspection systems, and providing easy access to reports.

ExAMS offers the paperless solution, ensuring vital routine procedures are captured, and simple access to audit reports and the History of the safety inspections of Systems.

- Using the 'User Task' module the System inspections can be created by the user.
- Scheduling Calendar can be used to ensure routine inspections are not overlooked, and that each safety device has been captured for the inspection process.
- Mobile devise used to allow a paperless flow for logging results of the tests, and synchronizing with the main Software.
- Use of RFID Tags and Scanners used to verify safety devices has been visited for an inspection.
- Comprehensive reporting for Audit Logs, Testing History of the System and individual safety devices.
- Remedial actions carried out in a Paperless workflow, updating the status of a System or device.



Wider benefits...

Feature Designed from Experience by CompEx Engineers

Benefit Demonstrable compliance with regulations to meet ATEX/DSEAR directives and regulations
Stable software, with engineer friendly workflow
Software keeps up to date with amendments to directives and regulations, helping maintain H&S requirements

Feature Atex Inspections

Benefit Ensure Electrical inspections carried out are in line with Atex/DSEAR requirements.
Verification of Engineers who have completed the works.
Provides evidence of assets being visited for inspection.



Feature Special Conditions

Benefit Provides Engineers with important information to allow correct Inspections and maintenance improving maintenance standards.
Engineer must accept the special conditions on the Mobile Device before inspection proceeds, ensuring important notes are read.
Reduces Administration time in providing such important information

Feature RFID Tagging

Benefit More durable and reliable to alternative methods such as Bar Codes.
Provides verified proof of attendance to the asset/location being inspected

Feature User Tasks

Benefit Full flexibility to allow all types of inspections and routine maintenance to be carried out using the Mobile Device, allowing a paperless workflow, reducing administration time and costs.
Ensure Safety messages are made aware to Engineers before work is carried and provides evidence of

risk assessments being accepted, ensuring H&S compliance.

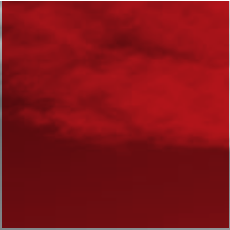
Verification of Engineers who have completed the works.

Feature Scheduling

Benefit Easily schedule jobs once for now and in the future, reducing administration time.
Ensures serious Inspection fails are not overlooked for repairs reducing risk of health and safety issues

Feature Systems

Benefit Allows 'System' management including inspection history of systems.
Inspection of Systems operation/functionality can be carried out using the Mobile Device, minimising administration time.
Easy access to documents such as operation details circuit




Barcode identification methods can be problematic and unreliable. Therefore increasingly, passive RFID tags are replacing barcodes to provide a more durable and reliable alternative to methods such as Barcodes.

Key benefits of using RFID tags are:

- Tags can be read if dirty or out of sight
- Each tag has it's own unique identification code
- Provides evidence that the asset/location has been inspected
- Depending on your specific inspection requirements we can advise you on the right solution.



Ensuring a fast return on investment!



We have been serving the hazardous industry for 20 years, providing Electrical Installations, Maintenance and Inspections.

Delivering future proof solutions!

Firm foundations...

Proven track record

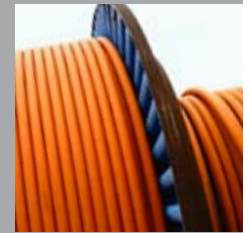
Ischia solutions originated from West Supply Electrical Contractors, who have been serving the hazardous industry for 20 years, providing Electrical Installations, Maintenance and Inspections to companies such as Murco Petroleum, Chevron, Shell, BP and many other authorised distributors and 'Ex' Hazardous industries.

During their time in carrying out this specialist work, it became evident that there were extensive administrative issues in processing inspection results and maintaining history of Atex 'Ex' equipment to meet regularity standards. The ExAMS software was then developed for internal use to reduce the administration time and to carry out predefined ATEX Inspection routines in a paperless workflow. Due to its success, ExAMS went on to be used to create the Ex Electrical Asset inventory for Chevron.

Compliance with BS EN60079-1 (ATEX137 & DSEAR), the ExAMS solution provides consistency, accuracy and ensures that processes are followed to regulator standards. Today, companies such as Murco Petroleum, Chevron, Tincknell Fuels and many others are enjoying the benefits of ExAMS.

Peace of mind support & training

Our software has a full warranty and we can offer you after-sales support and upgrade packages to meet your business needs. We ensure that the evolution of the software reflects technology advances in order to add value to our customers IT Infrastructure investments. Installation couldn't be easier. Designed by engineers FOR engineers, the intuitive, simple to use application requires little training, however hands on and remote support is provided by our highly qualified ATEX team.





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