



AVONMORE ELECTRICAL

Serving Industry Since 1958



Everything You Ever Needed
To Know About...



Motor Maintenance

Company Overview

As a Company we have been involved in Ex Repair for nearly 30 years and we are still continuously learning.



Today's Industry is all about Risk Management

Investment in the maintenance of Ex Apparatus can result in dramatic Risk Reduction.

There is a huge vacuum of knowledge about Ex Motors in general industry. If it has an Ex Nameplate, then it is assumed to be fit for purpose... Not So! ATEX Directives state that Documented Maintenance by Competent Personnel must be available.

We have recently been accredited by BASEEFA as an IECEx Certified Facility. We are currently the only such facility in Ireland



Half Day Seminar

8:30am – 10:30am

Introduction to Ex Motors

- **Motor Nameplates**
How to identify an Ex Motor
- **Personnel Competency**
What determines If I am Competent to work on Ex Motors?
- **User Obligations**
What Inspections must be completed and How Often + The Records you must complete on these Inspections

10:30am – 11:00pm

Tea/Coffee Break

11:00am – 1:00pm

Workshop Demonstration of Ex Procedures

8 to 10 Participants Per Seminar

To be held twice a month on a Friday starting October 25th 2018.

The cost involved is your time only.

To reserve your place, please call us now on **022 47477**.



Lecturer Profile

Derry Sheehan

Managing Director, Avonmore Electrical Ltd

Bio: First trained in Ex Motor Overhaul in 1991 and is currently the “the Deputy Responsible Person” for the process involved in the overhaul repair and reclamation of explosion protected equipment.



IECEX – Why should it matter to you ?

End users spend many tens of thousands of pounds on equipment for use in their “**Hazardous Areas**”. Such equipment is more expensive to purchase than safe area equipment and can involve expensive and complex control systems. But, what happens when the Ex equipment suffers failure?

- Can you be sure that your repairer knows fully what he can or can not do to your machine?
- Do you possess a detailed history of maintenance and repair for your Ex equipment?
- Are you confident that your repaired equipment is not increasing your risk of explosion?
- The only way to ensure that your equipment is being repaired or overhauled to the highest possible standard, is to utilise the services of an IECEX Service Facility.
- The scheme has been developed by the IEC (International Electro-technical Committee) to eliminate the growing concern within the industry that Ex equipment across the globe is not being repaired to a high enough standard. As a result of cheap and sub standard repairs being carried out, peoples lives and businesses are placed at risk, unnecessarily.



The World of Ex is Changing..... Are You Keeping Up?

IECEX – Frequently Asked Questions

What is IECEX?

The IECEX Certification System is a global system. The objective of the IECEX System is to facilitate international trade in equipment and services for use in explosive atmospheres, while maintaining the required level of safety and to achieve one single international database listing, crossing all borders. IECEX applies to new equipment, repair facilities and individuals.

What is the IECEX Service Facility Scheme?

This IECEX Scheme is an International Certification Scheme that covers the assessment and the on-site audit of organizations that provide services such as Repair and Overhaul service to the Ex industry.

How is it different to other schemes which exist?

The IECEX scheme assesses the facility itself, the procedures and systems in place and the competence of the staff. Ongoing compliance is maintained by means of regular audits of the facility by the EXCb (eg SIRA). Other schemes available only refer to the individual who has attended the course, and so the critical part of the process (the facility and the systems) is left unchecked.

What benefit is there to me?

IECEX is a very transparent scheme which means that nothing is left to chance, and ALL aspects of the repair process are audited in great detail. This gives the user the confidence and reassurance that his Ex equipment is being repaired to a very high standard. The risk therefore, for the user, is greatly reduced because the equipment is being returned to original certificate condition, which will reduce the likelihood of there being an incident with that piece of equipment.

What should I expect when I send equipment for repair?

The communication process with the user and the documentation requirements will be more involved than a standard repair, with the user being involved throughout the process. In the workshop, strict guidelines are being followed to ensure compliance with IEC60079-19 and OD-15.

What is the difference between ATEX and IECEX?

ATEX incorporates a set of directives (not standards). IECEX is driven by global demand from manufacturers and users to have one single accreditation across the world. ATEX directives are only valid in the European Union countries and each of those countries will have their own interpretation of requirements and a different notified body to its neighbouring countries.

Is IECEX mandatory?

No. It is a voluntary scheme, but the end results are such that manufacturers with the capabilities of international trade should seriously consider the advantages of such a scheme.

Is IECEX a standard?

No it is not, it is a scheme which involves the use of a number of standards. IECEX is an accreditation.





Motor Services

- Pyrolysis
- Vacuum Pressure Impregnation (VPI)
 - Digital Records
- ABB Premium Level Authorisation
- 6600V Motor Test Center

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AVONMORE
ELECTRICAL

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ISO 14001:2015

OHSAS 18001:2007



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