ATEX 2 Day Appreciation Course

Introduction to Potentially Explosive Atmospheres

Including:
SI83:1999 & SI299:2007 Part 8 (IRL)
&
DSEAR Regulations (UK)

Covering:
Legislation, Theory, Principles, Standards, Directives

Presented by Ex-Consulting Ltd

Course Location: ETCI Offices, Unit H12 Centrepoint Business Park, Oak Road, Dublin

Date: May 16th & 17th 2016

Total Cost: €750

ET105:2011 Available for €60 when booking (usual cost €89)

Lunch and refreshments are included in the cost of attendance.

Further details on the training course are available from:

- **Website:** www.etci.ie
- **Email:** general@etci.ie
- **Telephone:** +353 1 4290088

Course Description:

This is a two day training course prepared by the Electro-Technical Council of Ireland Training Department (ETCI) and Ex-Consulting Ltd UK to offer an appreciation and working knowledge of the principles, work practices, directives, standards and legislation covering the area of potentially explosive atmospheres.

The course will be provided in a classroom environment.

The course is supported by the latest edition of ET105:2011 covering the installation of electrical equipment in potentially explosive atmospheres.

Unlike other courses available in Ireland, the program covers the approach to the design and installation of equipment and is based on National, European and International Standards developed by CENELEC, IEC, Irish Statutory Bodies and the Electro-Technical Council of Ireland. This course also gives a detailed overview of both UK and Irish legislation.

The course covers the basic principles of the different types of protection including containment, separation, construction and design giving the participants useful technical knowledge for future design of installations. The course also covers installations, equipment inspection, testing and maintenance.

Course Objective:

The objective of this two day course is to develop the skills of individuals and to consolidate the technical knowledge already acquired by persons working in this field, to enable the participants to assist in the design of zone classification for hazardous areas and to raise the level of awareness of Irish and EU legislative requirements.The course provides detailed knowledge of the subject matter without practical application.

IECEX Certification:

The 2 day course training modules cover the theory required for those interested in further training under the IEC System for Certification to Standards relating to Equipment for use in Explosive Atmospheres (IECEx System). This scheme gives guidance and instructions for Applicants that want to obtain a Certificate of Personnel Competence (CoPC). The 2 day course will outline the steps to IECEX Certification but will also prepare Applicants for the following IECEX Module:

- **Unit Ex 001 Apply basic principles of protection in explosive atmospheres**

Target Audience:

Legislation requires personnel exposed to hazardous areas to be effectively trained to safely operate in potentially explosive working environments.

The two day program is aimed at personnel requiring a broad base of knowledge and skills for use within potentially explosive areas.

Suitable for Health and Safety Managers and Safety Personnel [advisors, officers, responsible persons], Team Leaders, In house plant supervision, Project Managers, Operators and Operations Supervisors, Maintenance personnel, E&I Engineers (field based), Design Engineers, Tradesman (mechanical, electrical, instrumentation), Vendors and Students requiring the necessary core knowledge to work safely in potentially explosive atmospheres (hazardous areas) for compliance with the requirements of the ATEX Directives.

Pre-Requisites: Electrical, Mechanical, Process engineering background is strongly recommended.

A certificate of achievement is issued upon successful completion of the course and a short post course assessment.

Note, this certificate is not a qualification and does not guarantee personnel competency.

This course can also be run at the customer's premises on request or at any suitable venue of convenience to you.

No previous specialist knowledge of hazardous area installations is required but familiarity with the concepts and principles would be an advantage.

Course Agenda Day 1:

Introduction

Irish Legislative Overview Requirements of SI-299:2007, SI-83:1999 (Module 3b)

Morning Break

Ex Terminology & Flammable Materials Fundamentals (Module 19)

Lunch

Effective Explosion Protection Document (EPD) Development (Module 4)

Hazardous Area Workplace Risk Assessment (Module 9)

Afternoon Break

Approaches for the Classification of Hazardous Areas (Module 11)

Questions & Answers

Close

Course Agenda Day 2:

Approaches for the Classification of Hazardous Areas(cont'd) (Module 11)

Morning Break

Overview of Equipment Protection Concepts (Module 5b)

Lunch

Ex Equipment Markings, Interpretation and Selection (Module 6)

Afternoon Break

Managing Electrical Installation Inspections (Module 18)

Post Course Assessment

Questions & Answers

Close

Course Tutors:

The course will be delivered by Ian Harrison, Ex-Consulting Ltd.

ETCI will also be in attendance at the course to cover any specific issues in relation to Irish legislation and or the National Rules for Potentially Explosive Atmospheres ET105:2011.

Tutors have worked in this field for many years and have participated in the development of European, International Standards and National Rules developed by ETCI.

Course Mentors:

- **Dick O'Rourke, Safety and Training Advisor to ETCI**
- **ETCI TC6 Committee Members**
- **Ian Harrison, Ex-Consulting Ltd**

About ETCI:

The Electro-Technical Council of Ireland Limited (ETCI) has two primary roles: electro-technical standardisation and the promotion of electrical safety.

ETCI represents all aspects of electrotechnology in Ireland and is the Irish Electrotechnical Committee to the International Electrotechnical Commission (IEC) and the European Committee for Electrotechnical Standardisation (CENELEC). ETCI is the Irish member of the Electricity Section of the International Social Security Association (ISSA).

In fulfilment of its responsibility as the Irish standardisation body for the electrical industry, ETCI involves everyone associated with the electrical industry, seeking comment, input and suggestions of the industry. It then prepares rules, guides, and codes of practice and through consultation achieves agreement on a consensus basis.

ETCI is the Irish Electrotechnical Committee to the IEC and CENELEC and, as such, contributes towards the formulation of international standards which are subsequently published by NSAI as Irish Standards.

ETCI Mission Statement:

"To provide the representative voice of the Irish Electrical Industry on technical matters relating to safety and standards both in National and International Forums."

About the Trainer:

Ian has over 20 years' experience in Fire & Explosion Protection Risk Management, Installation Design and Verification with extensive skills working across industries with explosive atmosphere hazards including, Power and Utilities, Chemical Processing and Manufacture, Oil & Gas, Food Manufacturing and many others.

He is a Chartered Electrical Engineer (CEng) and Chartered Health and Safety Practitioner (CMIOSH) with an MSc in Safety Management.

A seasoned professional, with vast experience in providing consultancy and training, applying UK, European & Global Explosion Safety Standards to support businesses to effectively reduce site fire and explosion risk and demonstrate Legal Compliance.

Booking Form May 16th & 17th 2016:

Course Title: ATEX 2 Day Course Introduction to Potentially Explosive Atmospheres

Please reserve place(s) on the training course at the location indicated below at a cost of €750 per delegate.

Course Location:
ETCI Offices, Unit H12 Centrepoint Business Park, Oak Road, Dublin

Your Organisation Details
Name of Organisation……
Address:……..
Telephone:……
Fax:……
Email:…….

Delegate 1:
Name:……

Position:.....

Delegate 2:
Name:……

Position:.....

For additional delegates please copy this form and attach to this page before returning. Method Payment (please indicate appropriate box)
1. Cash: ☐
2. Cheque: ☐
3. Credit Card: Visa ☐ Mastercard ☐
Cardholders Name:……..
Card Number:……
Expiry Date:……. CVV……..

Total Cost:
Number of Delegates Registered …….. x €750 = € ……..

ET105:2011 required……. x €60 = € ……..

Full details on the training course are available from ETCI Head Office, telephone 01 4290088, or from the ETCI web site. www.etci.ie