



## **CompEx Hazardous Training EX01 to EX04 Ex' Training Hazardous Environments 5 Day Competence Based Course**

### **Installation Inspection and Maintenance of Electrical Equipment in Hazardous and Potentially Explosive Environments.**

#### **Introduction:**

This nationally recognized course provides competence based training and assessment for electrical and instrumentation technicians working in hazardous areas in offshore and onshore industrial environments. The facilities are unique and custom built to include a realistic working plant and a simulated hazardous area. 'Ex' Training provides Electrical Installation Engineering Industry Training Organisation (EIEITO) Nationally Approved Competence based Training. The UK Health and Safety Executive has supported the development of this program.

#### **Course Objectives:**

The course aims to raise the awareness of operative competence in the installation and maintenance of electrical equipment and apparatus in hazardous environments. It does this by providing:

- Training and assessment to allow operatives to meet National Competence Standards
- A realistic simulated working environment in which training and assessment can take place
- A means whereby operatives can achieve nationally recognised certification to industry standards
- A means where employers can satisfy their obligation to have competence certificated personnel

#### **Course Content:**

##### **Theory (2½ days)**

- Unit 1 General Principles
- Unit 2 Standards, Certification and Marking
- Unit 3 Flameproof Ex d
- Unit 4 Increased Safety Ex e
- Unit 5 Type 'n' protection
- Unit 6 Pressurization Ex p
- Unit 7 Intrinsic Safety Ex i
- Unit 8 Other methods of protection, Ex o, Ex q, Ex m & Ex s
- Unit 9 Combined (Hybrid) methods of protection
- Unit 10 Wiring Systems
- Unit 11 Inspection & Maintenance to EN/IEC 60079-17



Unit 12 Sources of ignition  
Unit 13 Induction to Competence Validation Testing  
Unit 14 Permit to Work System and Safe Isolation

### **Practical (2½ days)**

EX01 Preparation and Installation of Ex 'd' 'e' and 'n' Systems  
EX02 Inspection and Maintenance of Ex 'd' 'e' and 'n' Systems  
EX03 Preparation and Installation of Ex 'i' Systems  
EX04 Inspection and Maintenance of Ex 'i' Systems

During the final half-day of the program you are required to sit written assessments in the form of multi-choice papers which are related to the practical CVT assessments.

### **Benefits of the Course**

Course attendance will help ensure that levels of safety within the industry are maintained and, indeed, increased as both employers and employees have confidence that the installation and maintenance of electrical equipment is being carried out in a competent manner by personnel who understand the requirements of the task and have the skills to perform it in a proper way.

### **Qualifications:**

On successful completion of the course, the participants will receive The National Electrotechnical Training Organisation (NET) certificate of competence issued by JT Limited This is the nationally recognized Certificate of Competence as noted in Annex A of EN/IEC 60079-14 for technicians and operators.

### **Location**

Source IEx – 19998 Hickory Twig Way, Spring, TX 77388

### **2017 Course Dates:**

February 13-17, 2017, March 20-24, 2017, April 10-14, 2017, April 17-21, 2017, May 15-19, 2017, June 12-16, 2017, July 10-14, 2017, August 14-18, 2017, September 11-15, 2017, October 9-13, 2017, November 13-17, 2017 and December 11-15, 2017

### **For more information please contact:**

Bob Johnson or Wayne Mayo at Source IEx at (281)882-8300 – [training@sourceiex.com](mailto:training@sourceiex.com)