



## CompEx Ex11 Mechanical

## **Course Content**

### **Aim**

The aim of the course is to provide mechanical personnel with the knowledge of potentially explosive atmospheres which provides successful candidates with a nationally recognised certificate of core competence which corresponds with Unit Ex11.

### **Pre-requisites**

Course candidates should have a mechanical background.

### **Course Duration**

The course is of 3 days in duration.

### **Optimum Number**

Optimum number of 9 candidates per course.

### **Course Language**

The course is delivered in English. Therefore candidates must have good standards of both written and verbal English.

Courses can be delivered in other languages however, this would need to be discussed prior to acceptance on the course. It is the responsibility of the person making the booking to make Roxby aware of this requirement.

### **Training Aids**

PowerPoint, videos, photographs, information handouts.

### **Assessment**

Day 3 of the course includes a online multichoice question assessment, for which course candidates are allowed 1 ½ hours.

Additionally two practical assessments are undertaken; a fault-finding inspection of a pump motor unit; and a pressure installation task on a pipe rig. Duration for both exercises combined totals around 2 hours.

## Course Syllabus

- Directives and Legislation 13463 & 80079-36, 80079-37
- Gas Groups
- Gas / Dust
- Equipment for use in Hazardous Areas
- Area Classification
- Temperature Classification
- Basic principles of Flammable Compounds
- Protection Methods of Non-Electrical Equipment
- Protection Types
- Management of Material Changes
- Inspection and Maintenance – Torque Tools & Bolting Procedures
- Bearings
- Lubrication
- Seals
- Couplings
- Spares
- Belt Drives
- Safety Issues During Overhaul
- Commissioning / De-commissioning
- Feedback and Review