



# Explosion Protection International Training Ltd

## Complus Program

### Explosion Protection Systems Inspection & ATEX Awareness

#### Course Overview

A competence based course designed to give an understanding in hazardous area concepts for the use of electrical equipment. The course explains the protection methods from manufacture to installation, inspection and maintenance requirements along with samples illustrating high standards of practice. Advice will be given on the current progress for CEN/IEC standards for electrical and non-electrical equipment.

A practical understanding in the selection of equipment is covered including inspection and maintenance procedures.

#### Course Content

16 units with assessment including practical inspection reporting covering:

- Area classification
- Ignition properties
- Definitions and terms
- EN/IEC standards for electrical and instrumentation
- Ingress protection
- Flameproof
- Increased safety
- 'n' types of protection
- Pressurization
- Intrinsic safety systems
- Hybrid protection
- ATEX certification, documentation, labelling
- Cable types, glanding, earthing
- Inspections, maintenance for electrical and instrumentation
- Additional international standards
- References to NEC 500, NEC 505 zoning
- Practical inspection reporting for electrical and instrumentation
- Written assessment

#### Target Audience

Personnel with electrical, instrument or mechanical background within industry who require an understanding in the use of equipment for hazardous areas. Also suitable for technicians engaged in the procedures for inspections to EN/IEC 60079-17 and in carrying out effective on-site maintenance.

#### Venue

Blackburn Business  
Aberdeen, UK  
AB21 0PS  
Tel: 01224 798635

#### Course Times

9.00am - 5.00pm

#### Course Price

£766.00 per delegate

#### Duration

4 - Days

#### Lunch

Included

#### Dates

Please refer to our calendar of dates

#### Min. delegates

4

#### Special Requirements

PPE

#### Certification

A Certificate of Competence will be provided detailing the contents in the course.

Validity 4 Years.