

The ATEX Directive Explained

1 Day Course

Why attend?

Equipment for potentially explosive atmospheres (European ATEX)

A potentially explosive atmosphere exists when a mixture of air gases, vapors, mists, or dusts combine in a way that can ignite under certain operating conditions. Equipment and protective systems intended for use in potentially explosive atmospheres (ATEX) cover a range of products, including those used on fixed offshore platforms, petrochemical plants, mines, and flour mills, amongst others.

The ATEX Directive 2014/34/EU covers equipment and protective systems intended for use in potentially explosive atmospheres. The Directive defines the essential health and safety requirements and conformity assessment procedures which must be applied before products are placed on the European market. Aligned with the New Legislative Framework, 2014/34/EU has been in force since 20 April 2016, replacing the old ATEX Directive 94/9/EC.

IECEx certification system (global certification scheme)

This course overviews the ATEX directive and IECEx certification procedure. 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:

- Reducing testing and certification costs to the manufacturer
- Reducing time to market
- Increasing international confidence in the product assessment process
- Ensuring the requirement for only one international database listing
- Maintaining international confidence in equipment and services covered by IECEx Certification

Who should attend?

This course will be useful for anyone involved in the worldwide market access of products used in hazardous locations including: mechanical and electrical design engineers; compliance, approval and product managers.

Price: £100 + VAT

Would you prefer an in-house or bespoke course?

Here at Eurofins York (formerly York EMC Services), we can deliver most of our courses on-site and tailor courses to your company's requirements.



Course includes

- How 2014/34/EU brings the ATEX Directive in line with the New Legislative Framework
- Obligations on importers and distributors of products used in explosive atmospheres
- Scope of the ATEX directive and the conformity assessment procedures involving a Notified Body
- Explosion protection principles and the physics which underpin them
- Zoning, categories of equipment, gas/dust groups & temperature classes
- Electrical and non-electrical equipment, components & assemblies
- Applicable standards and types of protection
- An overview of the IECEx system

6
CPD HOURS