To succeed, operate safely and efficiently.

Raise level of understanding of what a hazardous area is; It provides an introduction to explosion-protected equipment; Explains how to read hazardous area classification drawings; Explains how to read and interpret equipment markings.

**Target Group**
This course is intended for electrical workers, technicians and engineers involved with installing and maintaining electrical equipment in hazardous areas

**Duration**
1 day (8 hours) - one hour training session it’s equal with 45 minutes

**Content**
- Brief overview of ATEX Directives and standards
- Explosion Triangle
- Area classification
- Gas groups
- Temperature classification
- Ignition sources
- Fundamentals of different methods of explosion protection (Ex‘i’, Ex’d’, Ex’s’, Ex’e’, Ex’p’, Ex’m’, Ex’n’, Ex’o’ and Ex’q’)
- Compliance certificates and label markings (basic concepts)
- Installation, maintenance, inspection and testing
- Read and interpret equipment „EX” markings
- Understand legal requirements related to explosion protection

**Methods**
- Theory: The course will be presented using exposure explanation (e.g. power point presentation, sample images, video files...), free discussions on the real life situations, demonstration on hazardous area assessment and choosing the right explosion protection for equipment
- Practical: practical interpretation of sample equipment „EX” markings, practical interpretation of sample area classification drawings

**Competences acquired**
- Understand what a hazardous area is
- Ability to recognise a hazardous area
- Understand different methods of explosion protection in order to mitigate risk
- Read and understand hazardous area classification drawings

**Date / City**
N/A

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