

Advanced Course for Design Engineers (SC-S-EXKO)

Short Description

This course is designed for designers who develop equipment for use in potentially explosive atmospheres. On the basis of the basic course (basics), after a short repetition, the requirements for the devices are deepened and examples are shown how the mechanical requirements from the standards and regulations can be set.

Objectives

This course will teach you the requirements of the standards and regulations that must be taken into account for a successful design.

Target Group

The course is aimed at participants who define devices in design for use in potentially explosive atmospheres.

Content

Introduction

- Overview of types of protection
- Mechanical basics
- Mechanical requirements from IEC 60079-0 (basics)

Type of protection Ex d

- The principle of Ex d
- Additional requirements
- Flame proof joints (main connections)
- Sealed joints
- Entries for flameproof enclosures
- Tests
- Special applications

Type of protection Ex t (dust)

- Principle
- Special requirements
- Tests

Special Documentation Requirements

Prerequisites

- Basic knowledge in process analytics
- General knowledge of electrical engineering

Type

Face-to-face training

Duration

3 hours

Language

en