

## Online-Training - 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

### Type

---

Online-Training

### Duration

---

3 hours

### Language

---

en