

## Explosion protection for users (SC-S-EXUSE)

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### Short Description

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The requirements of the European directives for use in potentially explosive atmospheres are the main topics of the course. On practical examples it will be explained, what users have to consider when installing, commissioning and maintaining devices, components, device groups and systems, that are partially or completely located in explosive areas.

### Objectives

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This course teaches you basic knowledge of explosion protection in accordance with the legal requirements.

### Target Group

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The course is aimed at participants working in plant planning, installation, commissioning and service.

### Content

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Types of protection

- Overview

Use of devices in potentially explosive atmospheres

- Betriebssicherheitsverordnung
- Explosion protection document
  - zoning
  - grounding concepts
  - device selection
- Use of resources:
  - in pressure-resistant encapsulation and increased safety
  - in pressurized enclosure
  - own safety (own safety fieldbuses)
  - in zone 2

Exercises to use

### Type

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Face-to-face training

### Duration

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3 hours

### Language

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en