

## Basics of explosion protection (SC-S-EXBA)

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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.

### Objectives

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This course teaches you basic knowledge of explosion protection in accordance.

### Target Group

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

### Content

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Basics of an explosion

- Preconditions for an explosion
- Potential sources of ignition
- Protection against explosions

Types of protection

- Overview

Types of protection

- Flameproof enclosure Ex d
- Pressurized enclosure Ex p
- Increased safety Ex e
- Intrinsic safety Ex i
- Encapsulation Ex m
- Zone separation, Zone 0
- Type of protection for Zone 2 Ex n
- Protection by enclosure (dust) Ex t
- Protection of non-electrical devices

Explosion protection in North America (special features)

- Special features of the Class Division model

Application in hazardous location

- Selection of equipment
- Zone 0

### Type

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Face-to-face training

### Duration

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3 hours

### Language

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en