

Basics of explosion protection (SC-S-EXBA)

Short Description

The requirements of the European directives for use in potentially explosive atmospheres are the main topics of the course.

Objectives

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

Target Group

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

Content

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

Prerequisites

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

Type

Face-to-face training

Duration

3 hours

Language

en