

Explosion Protection for users (service, plant planners)

OEM: Siemens • Code: SC-S-EXUS

COURSE DESCRIPTION

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 facility design, installing, commissioning and maintaining devices, components, device groups and systems, that are partially or completely located in explosive areas.

AUDIENCE PROFILE

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

PREREQUISITES

- No prior knowledge or experience is required.

COURSE OBJECTIVES

By the end of this course, participants will be able to:

- This course teaches you basic knowledge of explosion protection.

COURSE OUTLINE

Module 1: Content

- Basics
 - - Overview types of protection
 - - Definitions and characteristic quantities
 - - Marking
- Requirements for application
 - - Preconditions for application
 - - Explosion protection document
 - - Zone separation
 - - Device selection

- Application of equipment
- - Flameproof enclosure (Ex d) and increased safety (Ex e)
- - Pressurized enclosure (Ex p)
- - Intrinsic Safety (Ex i)
- Exercises