

Ex and Exi basic

Objectives: This course teaches participants to interpret zone maps and install electrical equipment in hazardous areas, and install and calculate the function and safety of intrinsically safe electrical equipment in hazardous areas.

Intended for: Electricians, technicians, engineers, automation technicians and others who work with measuring and control signals in Ex areas.

Contents:

- Zone classification
- Explosion theory
- Equipment categories and gas categories
- Ex Installation Guide as related to EN/IEC 60079-14 Electrical apparatus for explosive gas atmospheres - Part 14: Electrical installations in hazardous areas (other than mines) and IEC 61892-7 Mobile and fixed offshore units - Electrical installations - Part 7: hazardous areas
- Protection methods
- Marking
- Temperature classes
- IP classification - enclosure/sealing types
- Cables
- Glands
- Earthing
- Intrinsic Safety - philosophy
- IS marking
- CENELEC EN 50 020 Intrinsically safe apparatus (Exi)
- Energy limitation
- Zener barriers
- Calculations
- Connections
- Galvanic isolators
- IS applications
- Installation
- Practical exercises in choice and installation of zener barriers.

Equipment: Ex demonstrating materials and zener barrier panels for carrying out practical exercises

Participants: Maximum 12 participants

Duration: 5 days

Location: At our training centre or on enquiry

Course manager: Bjørn Schjøll Kristoffersen

Language: English, Norwegian

*Teaching
method:*

Instructor

*Price per
participant:*

NOK 13,100.00