

TRANSTECH SOLUTIONS OCCUPATIONAL SAFETY & HEALTH TRAINING & CONSULTANTS LLC.



"Solutions Through Innovations"

Electrical Equipment in Hazardous Areas & Classification 5 Days Training



TSLOSHTC a Training Provider with a Mission

Course objectives

Upon the successful completion of this course, participants will understand and learn the following:-

- The fundamentals of hazardous area classifications and the hazardous result from energy liberated from electrical equipment.
- The fundamentals of Gas Grouping and temperature classifications to avoid the hazardous.
- The different methods for explosion protection.
- The selection of electrical equipment in hazardous areas for various applications.
- Routine maintenance, modifications and fault diagnostics.
- Safety working practices and new ATEX directives.

Course Outline

- Electrical energy, ignition and flammability
- Area classification
- Design philosophy and selection of equipment/apparatus
- Protection concept 'd'
- Protection concept 'e'
- Protection concept 'n'
- Protection concept 'i' principles
- Protection concept 'p' and Other concepts
- Earthing and bonding
- Inspection and maintenance
- Safe working practices
- Fault-finding and testing
- Atmosphere Explosive European Directives (ATEX 94/9/EC)

Who Should Attend

The course is designed for:

- Electrical Engineers
- Control and Instrument Engineers
- Plant Engineers
- Process Control Engineers
- Electrical Technicians
- Power System Engineers

Course Methodology

The course is designed to maximize delegate benefit from the outset. The goals of each participant are discussed to ensure their needs are fulfilled as far as possible. Questions are encouraged throughout particularly at the daily wrap up sessions. This provides opportunities for participants to discuss specific issues and if possible find appropriate solutions. Case studies are employed to highlight particular points and appropriate video materials used to illustrate particular conditions.

Assessment & Certification

All candidates that pass the written assessment shall receive a Certificate for successfully completing the Electrical Equipment in Hazardous Areas & Classification Training. Others will be provided with attendance certificates.

Our Instructor

All our instructor have 30+ years' experience and high degree such as:

- Master's degree,
- Doctoral degree
- Professional degree.

Course Prerequisite

- English Language (Average Fluency)
- Basic Electrical Engineering (Preferable)

Venue

5 Stars Hotel in Abu Dhabi, or Dubai
and Available Online as per your requisite

Duration

5 Days Training

Course Language

- English
- Arabic



ACTVET

Abu Dhabi Centre for
Technical and Vocational
Education and Training

مركز أبوظبي
للتعليم والتدريب
التقني والمهني



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