



United Engineering Services

Electrical Consultancy, Technical Training, Process Instrumentation, Project Management, Energy Audit, Maintenance Management System



Pakistan Engineering Council
Continuing Professional Development (CPD)
Approved Training Program

In view of the increasing pace of change, United Engineering Services brings you learning Programs for Improvement of Technical Skills. Individuals who endeavor to improve themselves must attend the events. United Engineering Services, made possible through Learning Bites.

Hazardous Area Equipment Handling (Electrical)

Wednesday 20th February 2019

Karachi

CPD Point "0.5"



Objectives:

- This workshop provides you with an understanding of the hazards involved in using electrical equipment in potentially explosive atmospheres.
- This workshop is designed for electrical workers, technicians and engineers involved with installing and maintaining electrical equipment in hazardous areas.
- Workshop will cover the principles of hazardous area classification, explosion-protection techniques, and equipment installation requirements, overhauling and repairing of explosion protected equipment.

Who Should Attend:

- Engineers / skilled personnel, working in Oil and Gas Industry.
- Engineers / skilled persons associated with design of Oil and Gas sector electrical components and process instruments.
- Industries handling hazardous material for industrial storage and processing.
- Persons involved in design specification for industries handling hazardous material.

Workshop Contents:

- 1. Apply basic principles of protection in explosive atmospheres**
 - Introduction
 - Definition hazardous areas
- 2. Understanding classification of hazardous areas**
 - Classifications
 - Other certifications
 - Standards hazardous areas
- 3. Install explosion-protected equipment and wiring systems**
 - Zone delimitations
- 4. Maintain equipment in explosive atmospheres**
 - Installation & maintenance of electrical equipment in hazardous areas
- 5. Overhaul and repair of explosion-protected equipment**
 - Maintenance recommendations in hazardous areas
- 6. Test electrical installations in or associated with explosive atmospheres**
 - Electrical safety auditing in hazardous areas
- 7. Impact of harmonics**
 - Impact of harmonics on classified equipment

Workshop Fee:

- Fee for program is **Rs. 12,500/- per participant** which includes workshop material, certificates, and refreshments.
- Please send your nomination(s), along with the workshop fee, before 19th, February 2019. Payment should be made in favor of "United Engineering Services"

Timing:

09:30 a.m. to 04:30p.m.

Early Bird Discount: 10% per participant (Before 10th February 2019)

Multiple Nominations: Three or more nominations are entitled for a further discount 10% per Participant

The distinguishing features of Learning Bites are:-

- They are designed to be an easy and learnable material.
- They are highly pocket friendly opportunity, and above all,
- They are digestible, accessible, and affordable.



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