

TRANSTECH SOLUTIONS OCCUPATIONAL SAFETY & HEALTH TRAINING & CONSULTANTS LLC.



"Solutions Through Innovations"

Advanced Power Generation 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 and basics of generators.
- The different prime movers used for generators
- Protection system's main function is to clear faults from the power system in high speed to: enhance people's safety and minimize equipment damage and maintain power system stability.
- How to control frequency and voltage.
- The earthing system for generators
- The different protection needed for generators.
- Condition monitoring, data collection and routine maintenance for generators.

Course Outline

- Principles of A.C. Generation
- Generator Construction and Excitation
- Prime Movers
- Generators Earthing
- Generator Voltage and Frequency Control
- Generator Operation
- Generator Protection
- Condition Monitoring and Data Collection
- Generator Maintenance

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Who Should Attend

The course is designed for:

- Electrical engineers
- Plant engineers and instrument technicians
- Operations technicians
- Electrical maintenance technicians and supervisors
- Instrumentation and control 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 Advanced Power Generation Training. Others will be provided with attendance certificates.

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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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