



**Asia Masters Center**

# Operation And Maintenance Of Electrical Networks



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## Operation And Maintenance Of Electrical Networks

### Course Objective

- The need and management for maintenance
- Management and implementation of safe systems of work
- Co-ordination of maintenance activities and maintaining system safety
- Switchgear maintenance - transformer maintenance
- Cable installation and rating; condition monitoring using non intrusive technology
- Routine inspections, properties of insulating oils

### Target Audience

- Electrical Professionals
- Electrical Engineers
- Technicians
- Professionals responsible for the operation and maintenance of distribution equipment, who will benefit from sharing experiences in the planning, organisation, and implementation of maintenance activities.

## Course Outline

### Day 1

#### **Introductions and Safety**

- Goals and discussion
- Maintenance of electrical equipment
- Managing maintenance
- Safety
- Electrical emergencies
- Safe working distances
- Inter system safety precautions
- Wrap up session

### Day 2

#### **Power Network Fundamentals**

- Power network fundamentals
- Faults and protection
- Fault levels
- Earthing introduction
- Network earthing
- Earthing systems
- Earth bonding
- Wrap up session

### Day 3

#### **Transformers**

- Transformer characteristics
- Transformer cooling
- Transformer protection
- On load tap changer operation



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- Transformer site testing
- Transformer maintenance
- Wrap up session

### Day 4

#### Switchgear

- Circuit breaker history
- Circuit breaker ratings and operation
- Circuit breaker examples
- Switchgear maintenance
- Fault reporting
- Properties and deterioration of insulating oils
- Thermal imaging
- Condition monitoring
- Wrap up session

### Day 5

#### Cabling

- HV cable ratings and installation methods
- HV cable volt drop
- LV cabling systems, an introduction to the wiring regulations
- Cable fault locating
- Course review and open session

## ➤ **The Feature Of Asia Master Training And Development Center**

- we pick up the customer from the airport to the hotel.
- we give the participant training bag includes all the necessary tools for the course.
- Working within groups to achieve the best results.
- All our courses are confirmed and we do not postpone or cancel the courses regardless of the number of participants in the course.
- We can assist you in booking hotels at discounted prices if you wish to book through us.
- We offer the certificate from Asia Masters Center for Training and Administrative Development.

## ➔ **The Cost Of The Training Program Includes The Following:**

- 1) Scientific article on flash memory.
- 2) Training Room.
- 3) Training.
- 4) Coffee break.
- 5) The training bag includes all the tools for the course.



## Asia Masters Center

### Price (USD)

Communicate with the training department  
to know the participation fees

➤ **There are offers and discounts for groups**

### The details of the bank account

Bank name: CIMB Bank Berhad

Account name: Asia Masters Center SDN. BHD

Bank account number: 80-0733590-5

Swift code: CIBBMYKL

IBAN: Null