

## LV Network

**This training consists of basic supervisory skills and knowledge in low voltage system**

- 1. low voltage network**
- 2. low voltage switchgear functions**

- 2-1 Electrical **Isolation** of sections of an installation
- 2-2 Electrical **Isolation** of sections of an installation
- 2-3 Local or remote **Switching**
- 2-4 Electrical **Protection**
- 2-5 Selectivity and Cascading.
- 2-6 Introduction to intelligent electronic devices (IED) and digital protection relays.

- 3. low voltage switchgear components**

- 4. low voltage circuit breakers**
- 5. low voltage circuit breaker types**
- 6. Power Factor Correction**

- 6-1 Power Factor and reactive power.
- 6-2 How to improve power factor.
- 6-3 Where to install power factor correction capacitors?
- 6-4 How to determine the optimum level of compensation?
- 6-5 Compensation at the terminals of a transformer.
- 6-6 Power factor correction of induction motors.
- 6-7 The effects of harmonics.

- 6-8 Practical design Guide

- 6-9 Practical Exercise

- 7. Control systems**

- 7-1 modern control vs classic control
- 7-2 classic control switches
- 7-3 relays
- 7-4 timers

### Course duration

ONE WEEKS (5 HOURS/ Day)

Course price / trainee : 750 \$