

# ELECTRICAL COURSES

## DISTRIBUTION RING MAIN UNIT (RMU) SF6 GAS MAINTENANCE AND INSPECTION (E119A)

**OBJECTIVE:**

This course is designed to provide participants theoretical information and practical details relating to ring main units, their rules, installation, maintenance and inspections.

**WHO SHOULD ATTEND?**

This course is recommended for engineers with basic experience with this field and electrical technicians that need to upgrade their level of information regarding this subject.

**COURSE CONTENT:**

- Introduction
- Purposes of Using SF6, Physical and Chemical Properties of SF6, Dielectric Properties of SF6
- Applications, Uses, and Range of SF6 RMU (RM6) and Electrical Characteristics
- Parts of the SF6 Circuit Breaker, Fuse Versions, Parts of the Operating Panel, Circuit Breaker and Fuse Versions
- Protection of Tee-Off Circuit, Function of Operating Mechanism and Operating Safety Features
- Safety Procedures Before Doing Maintenance on SF6 RMU
- SF6 RMU Maintenance, Inspection Points RMU, Cable Testing and Meggering, Replace the Fuses, the Fuse Plug and Neon Indicator for RMU
- Ring Main Units (SF6)-LUCY

**Duration: 5 Days**

Date:	Venue:	Cost:
<b>Jan 3-7</b>	<b>Dammam</b>	<b>SR7,000</b>
<b>Apr 18-22</b>	<b>Abha</b>	<b>SR 8,000</b>
<b>Oct 10-14</b>	<b>Dammam</b>	<b>SR7,000</b>

## DISTRIBUTION NETWORK LOAD (E125A)

**OBJECTIVE:**

This course designed to provide participants theoretical information and practical details relating to distribution feeder configuration, distribution network loads, effect of capacitor bank on voltage profile.

**WHO SHOULD ATTEND?**

This course is recommended for engineers with basic experience with this field and electrical technicians those need to upgrade their level of information regarding distribution network loads and how to control the voltages.

**COURSE CONTENT:**

- Distribution Feeder Configuration
- The Load Curve, Connected Load, Diversity Factor, Maximum Demand, Load Factor
- Effect of an Inductive and Capacitive Loads
- Voltage Control
- Distribution System Voltage Profiles Inrush Current During Restoration Process
- Effect of Capacitor, Shunt Capacitor
- Capacitor Switching and Control
- Customer Load Estimation
- Meters

**Duration: 5 Days**

Date:	Venue:	Cost:
<b>Jan 24-28</b>	<b>Dammam</b>	<b>SR7,000</b>
<b>Apr 11-15</b>	<b>Riyadh</b>	<b>SR8,000</b>
<b>Aug 1-5</b>	<b>Dammam</b>	<b>SR7,000</b>