

Holds a B. Sc. in Electrical Power & Machines Engineering and has 10 years of experience in electrical power engineering in M.V and H.V field.

PERSONAL DATA

Nationality : Egyptian
Birth Date : 04/01/1989
Gender : Male
Residence : Ismailia

EDUCATION

: B. Sc. in Electrical Power & Machines Engineering, Cairo University, 2011

LANGUAGES

Arabic : Native Language
English : Good

COMPUTER SKILLS

: Windows, MS Office, Internet

TRAINING COURSES AND CERTIFICATIONS

: Analysis of dissolved gasses in electrical power transformers.
: Gas insulation system (GIS Power Stations).
: Electrical power transformers maintenance and testing (Elmaco factory).
: Instrument transformers (current and voltage transformers) tests and electrical power measurement.
: Earth system design and measurement.
: GE protection relay training in France.
: ICDL

CHRONOLOGICAL EXPERIENCE RECORD

Dates : Since 10 years
Employer : EETC
Job title :

- Electrical Protection Engineer at the electrical AIS and GIS substations
- Electrical Testing and Commissioning Engineer at the electrical AIS and GIS substations

Testing & commissioning of all substation equipments as following:

- Power transformers maintenance and testing.
- On load tap changers maintenance and testing.
- Current and voltage transformer maintenance and testing.
- Circuit breakers maintenance and testing.
- Disconnecter switches maintenance and testing.
- Distribution panels installation and testing and maintenance.
- Lightening arresters testing.
- Batteries and electrical chargers testing and maintenance.
- Earth system design and measurement.
- Protective relay testing.
- Capacitor bank maintenance and testing.
- Transformer neutral resistance maintenance and testing.
- Faults analysis.
- SF6 and GIS testing.
- Switchgear maintenance and testing.
- High voltage systems testing.
- Power cable factory and commissioning tests.

Equipment / Tests:

- Power transformer:
 - Dissipation factor.
 - Insulation resistance.
 - DC winding resistance.
 - Voltage ratio.
 - No load current and losses.
 - Load losses and short circuit Impedance.
 - Magnetic circuit test.
 - High voltage tests.
 - Partial discharge test.
 - Type tests (impulse tests, temperature rise test and short circuit current test).
 - Special tests (sweep frequency response analyzer, dissolved gas analysis and sound level).
- Current transformer:
 - Dissipation factor.
 - Insulation resistance.
 - Secondary and loop resistance.
 - Current ratio.
 - CT burden test.
 - CT saturation test.
 - Polarity test.
 - High voltage tests.
- Voltage transformer:
 - Dissipation factor.
 - Insulation resistance.
 - Secondary and loop resistance.
 - Voltage ratio.
 - VT burden test.
 - Polarity test.
 - High voltage tests.

- Circuit Breaker:
 - Time operation test.
 - DC contact resistance.
 - Reduced voltage test.
 - High voltage tests.
- Lightening arrester:
 - Leakage current test.
 - Dissipation factor test.
 - Insulation resistance test.
- SF6 gas:
 - Dew point test.
 - Sf6 percentage volume test.
 - Acidity test.
 - High voltage tests.
- Cables:
 - Dissipation factor.
 - High voltage tests.
 - Insulation resistance.

Excellent user of test equipments:

- TTR - transformers voltage ratio test set supplied by megger.
- TM1600 circuit breakers analyzer test set.
- OMICRON (CPC100 & CMC 256).
- DOBLE M400 Dissipation Factor and capacitance test set.
- Biddle Dissipation Factor and capacitance test set.
- CBT200Hathway circuit breaker analyzer.
- DV power tester (transformer turns ratio, Dc winding resistance).
- Transformer winding resistance and tap changer test set.
- OTS60PB oil voltage breakdown test set.
- ISA scar10 surge arrester leakage current test set.
- DET4TD2 Ground resistance and soil resistivity test set.
- Low frequency High Voltage test set.
- Dissolved gas analysis tester (kelman transport x).
- Omicron current transformer analyzer.
- Secondary tester (isa, freja, cotel, and doble).

Achievements:

- Sharing in installation and testing of Elmanayf high voltage electrical substation (220/66/11KV).
- Sharing in installation and testing of Hurghada airport high voltage electrical substation (66/11KV).
- Sharing in installation and testing of gable elastic Hurghada high voltage electrical substation (220/22/22KV).
- Sharing in installation and testing of cement army factor high voltage electrical substation (220/66/6.3KV).
- Installation of an expansion transformer (66/11KV - 40MVA) and its (C.B, D.S, C.T, V.T, cables) in North Ismailia substation.
- Installation of an expansion transformer (66/11KV - 25 MVA) and its (C.B, D.S, C.T, V.T, cables) in El-Qassassin substation.
- Installation of an expansion transformer (66/11KV - 25 MVA) and its

(C.B, D.S, C.T, V.T, cables) in El-Senaia substation.

- Installation of an expansion transformer (66/11KV - 20 MVA) and its (C.B, D.S, C.T, V.T, cables) in East Ismailia electrical substation.
- Installation and testing of two distribution panel (11KV) consist of 32 cell and its coupler and its cables in El-Qassassin substation.
- Installation and testing of a distribution panel (11KV) consist of 12 cell and its coupler and its cables in Ismailia North substation.
- Installation and testing of a distribution panel (11KV) consist of 10 cell and its coupler and its cables in Qantara West, El-Senaia and North Ismailia substations.
- Sharing in testing of New Ismailia high voltage electrical substation (220/22/22KV).
- Sharing in testing of New Ismailia high voltage electrical substation (500/220/22KV).
- Sharing in testing of Elswab Elzeraia medium voltage electrical substation (66/22KV).
- Sharing in testing of new extension of Twleed Elshbab medium voltage electrical substation (66/11KV).
- Sharing in testing of New Ismailia electrical substation (500/220KV).
- Testing bus bar differential protection (micom p741) of Twleed Elshbab substation.
- Testing bus bar differential protection (arcteq) of Elswab Elzeraia substation.
- Check schematic drawing, function test, operation and interlock and ct and vt loop of Elswab Elzeraia.
- Check schematic drawing, function test, operation and interlock and ct and vt loop of Elswab Elzeraia.
- Check schematic drawing, function test, operation and interlock and ct and vt loop of Twleed Elshbab.