

# 106118-ELE-1CDMOT-E-2005

## Testing & Commissioning Engineer

Holds a B. Sc. in Electrical Power & Machines Engineering and has about 14 years hands-on experience working in testing and commissioning.

### PERSONAL DATA

Nationality : Egyptian  
Gender : Male  
Residence : Cairo

### EDUCATION

: B. Sc. in Electrical Power & Machines Engineering, Cairo University, 2005

### LANGUAGES

Arabic : Native Language  
English : Good

### COMPUTER SKILLS

: Windows, MS Office, Internet

### TRAINING COURSES AND CERTIFICATIONS

- : Off-shore Training in Electrical maintenance Heat recovery steam generator, CMI, Belgium (2 weeks).
- : Operation & maintenance of Steam / Gas Power Stations, SIEMENS, Germany (1 month).
- : Maintenance Electrical pumps and motors, Skoda, Czech Republic (2 weeks).
- : Operation & maintenance of Steam / Gas Power Stations, GE, Egypt (1 month).

### CHRONOLOGICAL EXPERIENCE RECORD

**Dates** : From 2018 till now  
**Employer** : Power Generation Engineering and Services Co. (PGESCO)  
**Project** : SOUTH HELWAN SUPERCRITICAL POWER PLANT 3x650MW  
**Job title** : Testing & Commissioning Engineer  
**Job Description** :

- Power transformers.
- Medium voltage and low voltage SWGR.
- Protection relays.
- High Voltage SWGR.

**Dates** : From 2016 till 2017  
**Employer** : The Saudi Emar Limited Company  
**Job Description** :

- Senior Electrical Engineer for Electrical Works in the Substations and power plants.
- Testing and Commissioning Engineer for the power plants equipments.

**Dates** : From 2014 till 2015  
**Employer** : PSP ELSEWEDY COMPANY  
**Job Description** : Sr. Testing & Commissioning Engineer for the substations and power plants for the following equipments (GE, Siemens Gas turbine):

- SF6 switchgear and outdoor SWGR (circuit breakers, disconnectors, earthswitches and control system).
- Power transformers, current transformers, voltage transformers and cables.
- Medium voltage switchgear and protection relays.

**Dates** : From 2010 till 2014  
**Employer** : SSEM (Saudi Service for Electromechanical Work), KSA  
**Job title** : Electrical Engineer  
**Job Description** :

- O&M Engineer for Gas turbine (Siemens and GE).
- Carry out maintenance for Medium and low voltage switchgears.
- Preventive maintenance for Electrical motors.
- Preventive maintenance for protection relay panels.
- Preventive maintenance for Power transformers and distribution transformers.
- Preventive maintenance for gas turbine Aux. system lube oil, ...
- Preventive maintenance for Excitation and SFC Panels.
- Maintenance for filed instrumentation devices, pressure, temperature, flow transmitters.
- Maintenance for DCS T3000.
- Maintenance for Substation Equipment's, circuit breakers, disconnectors and earth switches.

**Dates** : From 2006 till 2010  
**Employer** : Upper Egypt Electricity Production Co.  
**Project** : El-Kureimat Power Plant  
**Job title** : Electrical Engineer  
**Job Description** :

- Construction, Testing and Commissioning Electrical Engineer for the power plants and substations 220KV.
- Power transformer up to 220KV and associated its protection.
- Generator and its associated protection.
- SF6 Circuit breakers, Current Transformers, Voltage.
- Protection scheme, Interlocking schemes.
- Generator Circuit breaker.
- Medium voltage Switchgear.
- Low Voltage Switchgear.
- O&M for the power plants and substation.

- Field of experience :**
- Familiar with international procedures of Projects Phases, Engineering Phases, Bidding procedure, Procurement Process, Construction Requirements, and up to date Best Practices.
  - Fully understand contract documents (inclusive of appendices, drawings and specifications), project execution plan, interface management, change management, construction sequencing, standards specifications and project schedule to support project manager and/or company representative in timely completion of project.
  - Managing and reviewing the project progress, i.e., planned vs actual. Review of project schedule, coordinating and monitoring the assigned project progress, and challenge below par performance of the contractor.
  - Responsibility for project development: preliminary engineering to detail designs to construction and the final safe turnover to proponent.
  - The Field (Site):
    - Power transformer up to 380KV and associated its protection.
    - Generator and its associated protection.
    - SF6 /Vacuum Circuit breakers, Current Transformers, Voltage.
    - Transformers and Distribution Transformers.
    - Maintenance of control and relay panels for HV, LV switchgear panels.
    - Parameterization and testing of numerical Relays and static protection relays.
    - Load test, Sensitivity and stability test for generator and relevant Protections.
    - Protection scheme, Interlocking schemes for generators.
    - TX. Protection (Diff/REF) and its schemes testing & commissioning.
    - Pre-commissioning of electrical equipments like CT's, VT's, CB (Hydraulic & Spring charge operation), ES and DS, up to 380KV system, in various Substation/ Power plants, Battery chargers.
    - Electrical Generator up to 311MVA.
    - Generator Circuit breaker makes.
    - HV transformer.
    - Gas turbine (SIEMENS, GE, ALSTOM and HITACHI).
    - Installation, testing and commissioning for water treatments plant.
    - Installation, testing and commissioning for crude oil treatment plant.
  - Tendering Department:
    - Send inquiries to the suppliers.
    - Prepare the final technical and commercial offer.
  - Technical Office:
    - Prepare the final design and calculations.
    - Review and study the final design from the suppliers.
    - Prepare the final PO's.