

# 102292-ELE-2CMOPSTyz-E-2009

## Testing & Commissioning Engineer

Holds a B. Sc. in Electrical Engineering and a Specialized Diploma in Electrical Power Engineering. Has about 14 years experience in protection, testing, commissioning and supervision of substation projects.

### PERSONAL DATA

Nationality : Egyptian  
Birth Date : 20/10/1983  
Gender : Male  
Marital Status : Married  
Residence : Sadat City

### EDUCATION

: B. Sc. in Electrical Engineering, Aswan University, 2009  
: Specialized Diploma in Electrical Power Engineering, Alexandria University, 2016

### LANGUAGES

Arabic : Native Language  
English : Very Good

### COMPUTER SKILLS

: Windows, MS Office, Internet  
: AutoCAD Electrical  
: Etap  
: Matlab  
: Dialux lighting design software  
: Protection Relays (Digi 4, 5 – SIEMENS, PSM – ABB, S1 Studio – MICOM, PCS – NR)  
: Tester Devices (OMICRON, FREGA, MEGGER)

### TRAINING COURSES AND CERTIFICATIONS

: Industrial Training Council (ITC):

- Control and operation of motors (2010).
- AutoCAD.

: Egyptian Electricity Transmission Co. (EETC):

- GE Graduated Engineer (3 months).
- P1 - Introduction to Protection (1 week).

- P2 - Basic Protection for Electrical Systems (1 week).
  - CCS – Control Circuit for Substation (2 weeks).
  - SAS – Substation Automation System (1 week).
- : Summer Trainings at:
- Kom Hamada Cotton Ginning (1 month in summer 2005).
  - Zawit Ghazal Power Station (1 month in summer 2006).
  - Nubaria Power Station (1 month in summer 2007).
  - High Dam & Aswan Dam & Hyd. Station (summer 2008).

## CHRONOLOGICAL EXPERIENCE RECORD

- Dates** : From Jun. 2010 till now
- Employer** : Egyptian Electricity Transmission Co. (EETC)
- Projects** :
- EI-Emtedad AIS Substation 220/22KV
  - 8<sup>th</sup> Industrial Sadat AIS S/S 220/66/22KV
  - EI-Hai El-Motamaiz GIS Substation 220/66/22KV
  - Wadi El-Natron 500 GIS Substation 500/220KV
  - Abu Ghaleb GIS Substation 220/66/22KV
  - EI-Ramlelgawi S1 GIS Substation 220/66/22KV
  - Sadat City Substation 220/66/11KV
  - EI-Ezz Substation 220/30KV
  - Egyptian-American Steel Rolling Co. S/S 220/33/11KV
  - Beshai Substation 220/33/11KV
  - Arco Steel Substation 220/22.5/6.6KV
  - EI-Motaweren Substation 66/22KV
  - Remote Sadat Substation 66/11KV
  - Ind-Sadat Substation 66/11KV
  - Wadi Natron Substation 66/11KV
  - Inter Stat Substation 66/11KV
  - Shark El-Tarek Substation 66/22KV
  - South Wadi Substation 66/22KV
  - Ind-Natron Substation 66/22KV
  - Abu Ghaleb Substation 66/22KV
  - Extension Wadi El-Natron 500 S/S 66/22KV
  - Lina Wadi Natron Substation 66/22KV
- Job title** : Testing & Commissioning Engineer
- Job Description** :
- Responsible for entering any new transmission line or transformer into the network.
  - Responsible for commissioning test, routine test and test sheets.
  - Responsible for any malfunctions in any equipment and its maintenances.
  - Preparing the daily, weekly and monthly reports.
- Dates** : Now
- Employer** : Egyptian Electricity Transmission Co. (EETC)
- Project** : Emtedad Sadat Substation 220/22/22KV
- Job title** : Testing & Commissioning Engineer

**Job Description** : Supervise all electrical installation & testing according to the approved drawing and the related specification.

**Dates** : From Mar. 2021 till May 2022

**Employer** : MEGA

**Project** : Extension Wadi El-Natron 500 AIS S/S 66/22KV

**Job title** : Testing & Commissioning Engineer

**Job Description** : Supervise all electrical installation & testing according to the approved drawing and the related specification.

**Dates** : From Nov. 2019 till Jun. 2021

**Employer** : SIEMENS

**Project** : 8<sup>th</sup> Industrial Sadat City AIS Substation 220/66/22KV  
(6-line feeder 220KV, 3 x 175 MVA power transformer 220/66KV, 6-line feeder 66KV, 4 x 40 MVA power transformer, 4 section SWGR 22KV)

**Job title** : Supervision, Testing & Commissioning Engineer

**Job Description** :

- Attend commissioning of a 220/66/22KV Substation with SIEMENS Co.
- Supervise all electrical installation according to the approved drawing and the related specification for:
  - MV System: Grounding, cable trays, pulling power & control cables of HPU for irrigation and navigation gates, megger test for cables, termination of cables according to circuit diagram, LV panels (distribution boards, AC/DC System, control & protection), diesel generator, lighting, fire detection, CCTV, Telecom.
  - HV System:
    - ❖ AIS Substation 220/66/22KV 3 x 175 MVA transformers outdoor type (double busbar 12 bays).
    - ❖ 22KV Switchgear installation, pulling 22KV cables, termination 22KV cables, 22/.4KV transformers.
- Very good experience in commissioning, testing, installation, complete wiring of TR, CT, VT, CB, DS.
- Predict manpower and tools required to finalize all electrical installation.
- Suggest solutions and resolve site problems.
- Coordinate the electrical work related with civil team.

**Dates** : From Oct. 2018 till Aug. 2019

**Employer** : Egyptian Electricity Transmission Co. (EETC)

**Project** : Mostkbl Misr S1 GIS Substation 220/66/22KV

**Job title** : Testing & Commissioning Engineer

**Job Description** : Supervise all electrical installation according to the approved drawing and the related specification.

**Dates** : From Mar. 2017 till Sep. 2018

**Employer** : Egyptian Electricity Transmission Co. (EETC)

**Project** : Wadi El-Natron 500 GIS S/S 500/220KV

**Job title** : Commissioning & Construction Engineer

**Job Description** :  
• Supervise all electrical installation for grounding, cable trays, 11KV / 400V transformer (dry type), LV panels, pulling cables, termination of the cables, lighting and small power.  
• Testing LV and MV cables, testing earthing grid, testing LV panels (busbar, CTs, circuit breaker).  
• Predict manpower and tools required to finalize all electrical installation.  
• Suggest solutions and resolve site problems.  
• Coordinate the electrical work related with civil team.  
• Handing over to the client.

**Dates** : From Sep. 2015 till Mar. 2017

**Employer** : Egyptian Electricity Transmission Co. (EETC)

**Project** : Abo Ghalib GIS Substation 220/66/11KV

**Job title** : Commissioning & Construction Engineer

**Job Description** :  
• Supervise assembling of GIS equipment, assembling 220/66/11KV power transformers, assembling and installation of outdoor equipment as neutral disconnecter switch, earth disconnecter switch, surge arrestors.  
• Supervise electrical installation for: grounding, cable trays, installation of 11KV / 400V transformer (oil type), LV panels, 220 V batteries, pulling cables, termination of the cables, lighting and small power.  
• Predict manpower and tools required to finalize all electrical installation.  
• Suggest solutions and resolve site problems.  
• Coordinate the electrical work related with civil team.  
• Megger test of LV cables.  
• Hi Pot test of MV cables.  
• Testing of earthing grid.  
• Timing test of circuit breaker.  
• Contact resistance test.  
• Testing of CT & VT.  
• Secondary injection for CT & VT loop.  
• Primary injection for CT loop.  
• Function operation of disconnecter switch and earth switch.  
• Handing over to the client.

**Dates** : From Mar. 2013 till Feb. 2015

**Employer** : Egyptian Electricity Transmission Co. (EETC)

**Project** : Beshai S/S 220/33/11KV AIS Substation

**Job title** : Testing & Commissioning Engineer

**Dates** : From Jun. 2010 till Feb. 2013

**Employer** : Egyptian Electricity Transmission Co. (EETC)

**Project** : Egyptian-American Steel Rolling Co. S/S 220/33/11KV

**Job title** : Substation Operation Engineer

**Dates** : From Aug. 2009 till May 2010

**Employer** : Uni-Tech Contracting Co.

**Project** : Sun Jet Oriental, Sharm El-Sheikh

**Job title** : Electrical Site Engineer

**Job Description** : Supervise all electrical installation and testing according to the approved drawing and the related specification for LV System: distribution panel, power circuit, grounding, cable trays, pulling power & control cables of HPU for irrigation and navigation gates, megger test for cables, termination of cables according to circuit diagram, LV panels (distribution boards, AC/DC system, control & protection), diesel generator, lighting, fire detection, CCTV, Telecom.