

# 105896-ELE-12CMTyz-E-2014

## Electrical Testing & Commissioning Engineer

Holds a B. Sc. in Electrical Power & Machines Engineering and has over 6 years hands-on experience working in construction, testing and commissioning.

### PERSONAL DATA

Nationality : Egyptian  
Birth Date : 12/02/1992  
Gender : Male  
Marital Status : Single  
Residence : Tanta

### EDUCATION

: B. Sc. in Electrical Power & Machines Engineering, Tanta University, 2014

### LANGUAGES

Arabic : Native Language  
English : Fluent

### COMPUTER SKILLS

: Windows, MS Office, Internet  
: AutoCAD Electrical  
: ETAP

### TRAINING COURSES AND CERTIFICATIONS

: Distribution course.  
: Micro controller course.  
: Classic control & Basic PLC course.  
: Trainings at:  
• Talkha Power Station (summer 2012).  
• Arab Contractors Company (summer 2013).  
: ETAP (self study course).  
: ICDL (May 2012).

### CHRONOLOGICAL EXPERIENCE RECORD

Dates : From Feb. 2021 till now  
Employer : Alfanar Egypt

**Job title** : Electrical Testing & Commissioning Engineer

**Dates** : From Mar. 2020 till Feb. 2021

**Employer** : APC (Advanced Power Company)

**Project** : CAIRO WEST POWER PLANT 500/220KV GIS Substation

**Job title** : Electrical Commissioning Engineer

**Job Description** :

- Auxiliary TR (6.6/.4KV) test.
- Power TR (500/220KV) test.
- Timing test of circuit breaker.
- Timing test of Disconnecter & Earth switches.
- Contact resistance test.
- Testing of (CT & VT).
- Secondary injection for (CT & VT Loop).
- Primary injection for (CT Loop).
- Function operation for GIS equipment.
- Function operation for LCC.
- Interlocking check for equipment operation.
- Function operation for Control & protection Panels.
- Testing of Batteries.
- Testing of AC/DC System.

**Dates** : From Sep. 2019 till Mar. 2020

**Employer** : APC (Advanced Power Company)

**Project** : Elmostakbal 220/22KV GIS Substation

**Job title** : Electrical Commissioning & Construction Engineer

**Job Description** :

- Supervise Assembling of GIS equipment, Assembling 220/22/22KV 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, 220V 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. 2019 till Sep. 2019

**Employer** : PES (Professional Engineering Service)

**Project** : Mirror Line Project  
**Job title** : Electrical Site 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 Oct. 2018 till Mar. 2019  
**Employer** : ENBLOM  
**Project** : East Damietta GIS substation 66/11KV, 3x40 MVA power transformers  
**Job title** : Electrical Site Engineer

**Dates** : From Apr. 2018 till Aug. 2018  
**Employer** : ANDRITZ Hydro  
**Project** : New Assiut Barrage and Hydro Power Plant  
**Job title** : Electrical Warranty Engineer  
**Job Description** : Close open points of installation that not accepted from the client, detect and resolve electrical problems and reporting the performance of all electrical system to the main contractor (ANDRITZ Hydro in Vienna).

**Dates** : From Feb. 2018 till Apr. 2018  
**Employer** : EPS  
**Project** : Zafarana wind farm  
**Job title** : Electrical Maintenance Engineer  
**Job Description** :

- Periodic maintenance for wind turbines including lubricate all mechanical parts (Blade Bearing, main Bearing, gearbox, Yaw System, Induction generator) and inspection for grounding power & control panel including capacitor units, Batteries for Microcontroller, rotor resistance balance of induction generator.
- Detect and resolve electrical problems.

**Dates** : From Dec. 2015 till Jan. 2018  
**Employer** : Hideleco  
**Project** : New Assiut Barrage and Hydro Power Plant:

- 4 hydro turbine generators.
- 66KV substation (Double bus single breaker).
- 8 gates for irrigation & 2 navigations for ships & Administration building.

**Job title** : Electrical Site Engineer  
**Job Description** :

- Supervise all electrical installation according to the approved drawing and the related specification for:
  - LV 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.

- MV System: AIS Substation 66/11KV, 2x24 MVA Transformers outdoor type (Double Busbar 7-Bays) 11KV Switchgear installation, Pulling 11KV Cables, termination 11KV Cables, 11/.4KV Transformers.
- Predict manpower and tools required to finalize all electrical installation.
- Suggest solutions and resolve site problems.
- Coordinate the electrical work related with civil team.