

# 103943-ELE-12CMT-E-2012

## Testing & Commissioning Engineer

Holds a B. Sc. in Electrical Power & Machines Engineering and has over 4 years hands-on experience working in commissioning and operation for electrical power plant and substations including schemes, protection relays, transformers and any system related to them according to international standards.

### PERSONAL DATA

Nationality : Egyptian  
Birth Date : 25/10/1989  
Gender : Male  
Marital Status : Married  
Residence : Beni Suef

### EDUCATION

: B. Sc. in Electrical Power & Machines Engineering, Helwan University, 2012

### LANGUAGES

Arabic : Native Language  
English : Good

### COMPUTER SKILLS

: Windows, MS Office (Word, Excel, Power Point), Internet  
: AutoCAD

### TRAINING COURSES AND CERTIFICATIONS

: Alfamar Training Center (MICROM P149, MICOM P549) relay testing.  
: Elsewedy: How to read schematic drawings in Beni Suef site.  
: Siemens protection relays testing provided by Siemens team in Beni Suef site.  
: Siemens GIS training provided by Siemens team in Beni Suef site.

### CHRONOLOGICAL EXPERIENCE RECORD

**Dates** : From Aug. 2016 till now  
**Employer** : El Sewedy Electric PSP  
**Project** : Beni Suef CCPP  
**Job title** : Testing & Commissioning Engineer  
**Job Description** :

- Identify systems to do commissioning on.
- Review and revise project drawings and schematic diagrams.

- Review and test plant interlocking (powerhouse - Substation).
- Responsible for preparing red mark up copy and as built drawing and test reports for all involved systems.
- Testing all electrical components for power plants and substations systems for all voltage levels.
- Beni Suef CCPP 4800MW / 500KV testing & commissioning:
  - Testing & commissioning 500KV GIS (CT & VT TEST).
  - Testing & commissioning GIS (inter lock scheme check).
  - Testing & commissioning GIS (protection scheme check).
  - Testing & commissioning for Siemens protection (7SJ, 7SA, 7SS, 7VK610, 7VK611, 7SD RELAYS).
  - CB timing and contact resistance.
  - S<sub>f</sub>6 gas analyzer test.
  - AC & DC supply system and battery charger testing.
  - High voltage test for 500KV GIS check.
  - 11KV Medium & 400V low voltage scheme check.
  - Main and auxiliary transformer testing including (tan delta & insulation test & turns ratio & winding Resistance).
  - Raw & service water pumps test (insulation & rotation & solo tests).
  - Air compressor & Air dryer testing & commissioning.
  - HVAC Operation systems check and commissioning.
  - OVER HEAD CRANES Commissioning.
  - Checking DCS & SAS signals for all systems.
  - FTS BECKWITH fast transfer relay testing.

**Dates** : From Aug. 2015 till Jun. 2016

**Employer** : Alfamar AT&C, Saudi Arabia

**Job title** : Testing & Commissioning Engineer

**Job Description** :

- Identify systems to do commissioning on.
- Review and revise project drawings and schematic diagrams.
- Review and test plant interlocking (powerhouse - Substation).
- Responsible for preparing red mark up copy and as built drawing and test reports for all involved systems.
- Testing all electrical components for power plants and substations systems for all voltage levels.
- 132KV/13.8KV Sultana Substation - Riyadh, Saudi Arabia:
  - Testing for (CT & VT & Auxiliary relays, contact resistance) in 132KV GIS.
  - CB timing & contact resistance.
  - 132KV HYUNDAI Scheme check.
  - 13.8KV Schneider Scheme check.
  - Protection scheme check.
  - MICOM P149 protection relay test.
- 132KV/13.8KV Elsewedy St. Substation - Riyadh, Saudi Arabia:
  - Testing for (CT & VT & Auxiliary relays, contact resistance) in 132KV GIS.
  - CB timing & contact resistance.
  - 132KV HYUNDAI Scheme check.
  - 13.8KV Schneider Scheme check.
  - Capacitor panel function check.
  - Automatic voltage regulator panel function check.
  - SAS open loop check.

- 380KV/33KV Riyadh Metro Substation - Riyadh, Saudi Arabia:
  - Testing for (CT & VT & Auxiliary relays, contact resistance) in 380KV GIS.
  - 33KV Alstom scheme check.
  - Protection panel scheme check.

- Dates** : From Apr. 2014 till Jun. 2015
- Employer** : Omega Integrated Systems, Egypt
- Job title** : Installation & Maintenance Engineer
- Job Description** :
  - Installation & Maintenance for calibration system for electrical energy meters.
  - Programming for smart electrical energy meters.
- Field of experience** :
  - Testing & commissioning for (substation – power house) including GIS & MV SWG & LV SWG, transformers, cables up to energizing the system.
  - Testing for protection relays.
  - Design review and modification if required.
  - Trouble shooting for problems.
  - Very good user for testing equipment.