

104143-ELE-12PT-E-2009
Protection & Commissioning Engineer

Holds a B. Sc. in Electrical Power Engineering and has over 12 years hands-on experience, including 10 years working in protection, testing & commissioning, and construction of GIS and AIS substations and switchgear up to 500KV. Has special experience in substation extension and rehabilitation projects, secondary design modification and dealing with troubleshooting.

PERSONAL DATA

Nationality : Egyptian
Birth Date : 24/11/1987
Gender : Male
Residence : Fayoum

EDUCATION

: B. Sc. in Electrical Power Engineering, Fayoum University, 2009
: Pre-Master in Electrical Engineering, 2013

LANGUAGES

Arabic : Native Language
English : Very Good

COMPUTER SKILLS

: Windows, MS Office (Word, Excel, Power Point), Internet
: MS Project & Visio
: Software of protection relays and testers

TRAINING COURSES AND CERTIFICATIONS

: Project Management Professional (PMP) (2019).
: English conversation at Real Soft Academy (2017).
: Protection fundamentals (P2) at EETC (Jun. 2013).
: CT & VT (P1) at EETC (Jun. 2012).
: PLC course at Jelecom Egypt "A.D.Panasonic" (summer 2007).

CHRONOLOGICAL EXPERIENCE RECORD

Dates : From Nov. 2011 till now
Employer : Egyptian Electricity Transmission Company (EETC)

Job title : Protection & Commissioning Engineer

Job Description :

- Inspection of protection relays (O/C, TR Differential, Line Distance, Dir O/C, O/U voltage, Under frequency, REF, TCS, BB Differential, ..., etc.) for various vendors (Siemens, ABB, Schneider, GE, ..., etc.) for substations up to 220KV.
- Function test of LCC and RCP (measuring, control, indication, alarms, operation and interlock circuits).
- Power transformer up to 500KV testing (insulation resistance, DC winding resistance, turns ratio, tan delta and mechanical protection).
- Circuit breaker testing (contact resistance and Timing).
- CT tests (turns ratio, polarity, saturation and primary injection).
- VT test (insulation and ratio).
- Capacitor bank testing (relays, balance and function test).
- Testing of AC and DC distribution system.
- Cables testing (insulation resistance and HV test).
- Stability test for (TR differential, REF and BB differential).
- Firefighting alarming and tripping test.
- Preparing of test procedures, test sheets and reports for project.
- Aware of testers:
 - Secondary injection (SVERKER, DOBLE, MPRT).
 - CPC-100, DOBLE M4100, DV POWER, TTR, MEGGER.

Employer : ENERGYA

Job title : Freelancer Commissioning Engineer

Job Description : Commissioning activities for Furniture City 220/11/11KV substation.

Dates : From Dec. 2016 till Jan. 2017

Employer : SIEMENS - [EGYPTROL](#)

Job title : Freelancer Commissioning Engineer

Job Description : Commissioning of SIEMENS LV switchgear (PCC) at Burullus Combined Cycle Power Plant.

Dates : From Oct. 2009 till Nov. 2011

Employer : Solaimaneyah Golf City

Job title : Site Engineer

Job Description : Installation and maintenance of medium voltage (11KV) and low voltage (380 V) switchgear.

Projects:

- Furniture City (Damietta) 220/11/11KV substation.
- Tamyia 220/66/11KV GIS substation.
- New Kiman Fares and New Fayoum 66/11KV substations.
- MERCC (Middle Egypt Region Control Center).
- Extension of Fayoum West substation 220/66/11KV.
- Extension of Aboxa and Kom Oshim 66/11KV substations.
- Capacitor banks installation in Fayoum network substations.
- Burullus Combined Cycle Power Plant 4800MW.

- New Sennores 66/11KV substation.