

Holds a B. Sc. in Electrical Power Engineering and has over 5 years hands-on experience, specialized in testing and commissioning of Electro-mechanical projects (electrical substations and all types of switch gears).

PERSONAL DATA

Nationality : Egyptian
Gender : Male
Residence : Cairo

EDUCATION

: B. Sc. in Electrical Power Engineering, Cairo University, 2013

LANGUAGES

Arabic : Native Language
English : Fluent

COMPUTER SKILLS

: Windows, MS Office (Word, Excel, Power Point), Internet
: AutoCAD
: Matlab
: Primavera 6
: MS Project

TRAINING COURSES AND CERTIFICATIONS

: Project Management Professional (PMP), Complete 36 hours Study at Sadat Academy for Management Science (SAMS).
: Leadership and presentation skills.
: Six sigma course.
: TOT course (train of trainer).
: Self-coaching courses.
: Inlet diffuser and outlet diffuser erection, SEPCO III (2012).
: Functional Specifications PLC & I/O and Logic diagram, Asec Automation (2011).

CHRONOLOGICAL EXPERIENCE RECORD

Dates : From Jan. 2019 till now
Employer : ELSEWEDY T&D
Project : New Cairo Capital S1 500KV/220KV/66KV/22KV SS
Job title : Senior Protection Engineer
Job Description :

- Advanced relay testing.
- Provide complete plan for the work process in control room.
- Scheme and function check for protection panels.
- Support work and solving problems in 220KV, 66KV GIS and 22KV SWG.

Dates : From Nov. 2014 till Dec. 2018
Employer : National Excellence for Construction and Energy Co. (NECE), KSA
Projects :

- TABUK 8 132KV/13.8KV (from Jul. till Dec. 2018)
- TABUK HOUSING SS (132KV/13.8KV/) (from Feb. 2018 till Jul. 2018) (Testing & Commissioning Team Leader):
 - As Protection Team Leader for 132KV GIS, I prepare working plan for the 132KV GIS room using MS Project.
 - Lead and support the protection scheme check and testing of equipment in GIS and control room to finish according to the master plan.
 - Provide technical support for team members in GIS, switchgear and protection room.
 - Perform protection relay testing.
- AL-AFLAG SS (132KV/13.8KV) (from Jun. 2017 till Jan. 2018) (Testing & Commissioning Team Leader):
 - Scheduling and coordinating work in protection control room to tight deadlines using MS Project.
 - Lead and support the working process in protection control room to finish according to the master plan.
 - Perform Scheme check for 132KV & 13.8KV protection panels (132KV capacitor protection panel scheme check, 132KV transformer protection panel scheme check, automatic voltage regulator AVR scheme check, automatic capacitance switch ACCS for 13.8KV and line protection panel).
 - Perform relay testing (MICOM P546, ABB RED 670, ABB RET 670, MICOM P643, SEL 487V and ABB REC670).
- AL-SULIL SS (132KV/13.8KV) (from Dec. 2016 till Jun. 2017):
 - Perform Scheme check for 132KV & 13.8KV protection panels (132KV transformer protection panel scheme check, automatic voltage regulator AVR scheme check, automatic capacitance switch ACCS for 13.8KV and line protection panel).
 - Perform scheme check for 132KV GIS LCC.
 - Perform relay testing (SEL 487E, SEL 487V and ABB REC670, MICOM P543).
 - Accomplish primary & stability test for 132KV GIS and 13.8KV SWG.
 - 132KV and 13.8KV BB high impedance test.

- Trip test for 132KV GIS.
- Perform scheme check and tests for remote.
- AL-KHANDAQ SS (110KV/13.8KV) (from May 2016 till Dec. 2016):
 - As Team Leader for 110KV GIS, I prepare working plan for the 110KV GIS room using MS Project.
 - Giving support for 110KV scheme check and equipment Test.
 - Scheme check for LCC transformer bay, line bay, bus coupler and bus section bays.
 - CT loop and VT loop for 110KV GIS and sync. Scheme.
 - Primary & stability test for 110KV GIS.
- RANIA SS 110/33/13.8KV (from Jan. 2016 till May 2016).
- KING FAISL HOSPITAL SS 110/33/13.8KV (from Jun. 2015 till Jan. 2016).
- Modon 2 SS (110KV/33KV/13.8KV) (from Jan. 2015 till Jun. 2015):
 - I was responsible for 33KV Siemens switchgear.
 - Finish 100% of 33KV tests (MCB, Aux relays, CT test and VT test).
 - Accomplish with Saudi national grid engineer all required tests (MCB, AUX relays, CT test and VT test) as 20%.
 - Accomplish with NG engineer all required tests (CB tests (CB timing - CB contact resistance - CB insulation test - Spring charging and discharging time), SF6 Gas test - BB and Earth switch contact resistance test).
 - Scheme check for 33KV GIS Switchgear.
 - 33KV BB protection final setting test.
 - Final settings for Siemens advanced relay OC/EF 7SJ61X, Sync. Final setting 7SJ645.
 - ACCS and line protection panel scheme check.
 - CT loop and VT loop for 33KV SWG and sync. Scheme.
 - Primary injection and stability for 33KV SWG.
- SEL relay upgrading project (from Dec. 2014 till Jan. 2015):
 - SEL 411L software upgrading.
 - Uploading reports to SEL Co. about 411L as a technical support.

Job title : Testing & Commissioning Engineer

Job Description :

- Provide technical support for team members in GIS, switchgear and protection room.
- Lead and support the protection scheme check and testing of equipment in GIS and control room to finish according to the master plan.
- Scheme an function check for GIS LCC protection panels and SWG. Advanced relay testing.
- As a team leader, preparing and executing working plan for specific portion in the substation (GIS-SWG-Control Room) according to the time limit is one of my skills.

Dates : From Jul. 2013 till Oct. 2014

Employer : Misr Co. for Mechanical and Electrical Projects (KAHROMIKA)

Project : Giza North Combined Cycle Gas Turbine Power Plant 3x750MW

Job title : Electrical Construction Engineer

- Job Description** :
- Supervise Cable Pulling & Termination for Power Cables (MV and LV) in B5.
 - Lighting system (erection of fixtures, pulling of LV cables and commissioning).
 - Cable Tray Fabrication & Installations.
 - Grounding system.
 - Achievements:
 - Cable Tray and conduit Erection and Fabrication in (3A & 3B).
 - Cable pulling and termination work in 3rd module unit (3B).
 - Lighting system erection, cable pulling and commissioning for units (3A & 3B).
 - Grounding system for units (3A & 3B).
 - I&C work (Tubing and supports erection of Turbine enclosure and false drain tank tubing and supports) (3B).
 - Complete punch list items.

- Field of experience** :
- Excellent experience in testing and commissioning field in Saudi Arabia as I participated in following projects: MODON-2 SS (110KV/33KV/13.8KV), AI-JOMOOM-2 (110KV/33KV), ALKHANDAQ SS (110KV/13.8KV), AL-SULIL SS (132KV/13.8), AL-AFLAG SS (110KV/13.8KV) and TABUK housing S\S (132KV/13.8KV).
 - Strong command in Testing of all types of substation equipment (MCB, Auxiliaries, timers, CT, VT, circuit breaker, BB contact resistance test primary injection and stability test).
 - Strong command in scheme check and solving protection problems for all different voltage level SWG and GIS (132KV/110KV/13.8KV/33KV) and protection scheme such as (transformer protection, line protection, capacitor protection, automatic voltage regulator, automatic capacitor controlling system, automatic bus transfer system, local control panel for power transformer).
 - Testing and commissioning for protection relays such as (over current and earth fault, line differential protection, transformer differential, breaker failure and fault locator) (ABB RED670 - micom P543 - SEL 411L - micom P643 - MICOM P144 - GE C70 - ZIV relay - ABB REC670 - SEL 487E - Siemens 7SDSS - GE F650).