

Holds a B. Sc. in Electrical Power Engineering and has over 11 years hands-on experience working in maintenance, protection, testing and commissioning.

PERSONAL DATA

Nationality : Egyptian
Birth Date : 27/12/1984
Gender : Male
Residence : Currently KSA

EDUCATION

: B. Sc. in Electrical Power Engineering, Alexandria University, 2006

LANGUAGES

Arabic : Native Language
English : Good

COMPUTER SKILLS

: Windows, MS Office, Internet

TRAINING COURSES AND CERTIFICATIONS

- : Protection training for transformers in ABB Company (Brazil) (Dec. 2011).
- : Inspection and operation of trash rake system in ABU QIR Power Plant (2x650MW) (Mar. 2012).
- : Training in water treatment system of ABU QIR Thermal Power Plant (2x650MW) (Dec. 2012).

CHRONOLOGICAL EXPERIENCE RECORD

Dates : From Oct. 2016 till now
Employer : Arab Technical Co. Ltd., KSA
Project : SASREF Project (relay upgrading)
Job title : Testing & Commissioning Engineer
Job Description :

- CTs Testing.
- CTs Loop Testing with Secondary and Primary Injection.
- Remove old relay.
- Install new relay (ABB REF615, REM615, REM620, RET, RED).
- Modify all control circuit.

- Testing new relay.
- 13.8KV, 6.6KV SWGR Functional Check.

Dates : From Jul. 2015 till Jul. 2016
Employer : Arab Technical Co. Ltd., KSA
Project : Petro Rapigh 13.8/4.16KV S/S
Job title : Testing & Commissioning Engineer
Job Description :

- CTs Testing.
- CTs Loop Testing with Secondary and Primary Injection.
- VTs Testing and VTs Loop Testing.
- Testing of ABB make Auxiliary Relays.
- 13.8KV SWGR Scheme Wiring Check.
- 13.8KV SWGR Functional Check.
- 13.8 MV Circuit Breaker Testing.
- Bus bar stability for 13.8KV MV SWGR.
- Bus bar and breaker HIPOT testing for 13.8KV.
- ACDB & DCDB panel Scheme Testing & commissioning.
- Testing & commissioning of ATS.
- Protection panel Scheme Check.
- 13.8KV Load Shedding panel Scheme Testing & Commissioning.
- Acceptance and Final Settings for the following Relays:
 - GE 369 motor protection relay.
 - GE 750 over current relay.
 - GE MIVII under voltage relay.

Dates : From Oct. 2014 till May 2015
Employer : Arab Technical Co. Ltd., KSA
Project : SADARA Project
Job title : Testing & Commissioning Engineer
Job Description :

- CTs Testing.
- CTs Loop Testing with Secondary and Primary Injection.
- VTs Testing and VTs Loop Testing.
- Testing of ABB make Auxiliary Relays.
- 13.8KV SWGR Scheme Wiring Check.
- 13.8KV SWGR Functional Check.
- 13.8 MV Circuit Breaker Testing.
- Bus bar stability for 13.8KV MV SWGR.
- Bus bar and breaker HIPOT testing for 13.8KV.
- Installing and Testing UPS system.

Dates : From Aug. 2013 till Jul. 2014
Project : Abu Qir New Thermal Power Station (2x650MW)
Job title : Electrical Maintenance Engineer
Job Description : Responsible for all periodic maintenance and tests for:

- Generators and its control and auxiliary cabinets.
- Generator and Power transformer multifunction protection relays.
- AVR and Static excitation system.
- Rectifiers, Inverters, CVT and Battery bank of UPS system.

- Cummins Diesel Generators 1400 KVA.
- Rectifiers and H2 generators for Electro-chlorination system.
- Protection and measuring current transformer tests.
- Voltage transformer tests.

Dates : From Dec. 2010 till Jul. 2013
Project : Abu Qir New Thermal Power Station (2x650MW)
Job title : Electrical Testing & Commissioning Engineer
Job Description :

- Steam Turbine Generators "816 MVA" on load / no load tests.
- Multifunction Protection Relays for Generators and transformers.
- Transducers and energy meters for whole generator system.
- DC and UPS system for whole power station.
- Power transformers of excitation and water treatment system.
- AVR and Static excitation system.
- High tension test for generators and its Iso Phase Bus.
- Generator internal condition monitoring system (Partial discharge – Vibration - Rotor short turn detector).
- Rectifiers and H2 generators for Electro-chlorination system.
- Cummins Diesel Generators "1400 KVA".

Dates : From Nov. 2009 till Dec. 2010
Project : Abu Qir New Thermal Power Station (2x650MW)
Job title : Electrical Site Engineer
Job Description :

- Design and deliver construction power for all the contractors in site.
- Following submittals from contractors and give technical notes on it.
- Inspecting the installations of Cathodic protection for all underground piping.
- Inspecting all electrical materials that received at site (MRR inspections).
- Supervision for all electrical construction work done by contractors.

Further experiences :

- Testing and Commissioning at Marafiq 115/13.8KV S/S:
 - CTs Testing.
 - CTs Loop Testing with Secondary and Primary Injection.
 - VTs Testing and VTs Loop Testing.
 - Testing of ABB make Auxiliary Relays.
 - 13.8KV SWGR Scheme Wiring Check.
 - 13.8KV SWGR Functional Check.
 - 13.8 MV Circuit Breaker Testing.
 - Bus bar stability for 13.8KV MV SWGR.
 - Bus bar and breaker HIPOT testing for 13.8KV.
- Instructor for AL-RIADAH TRAINING CENTER:
 - Give a training course about (Advanced Electrical Safety) five days in JEDDAH to SCECO Company.
 - Trained 8 persons through that course how to work in hazards area and study OSHA standard.
 - Trained 7 persons through that course generator protection course.
 - Trained 10 persons through that course electrical interlock.
 - Trained 5 persons through that course how to read electrical drawing.

- Trained 9 persons through that course power system.

- Field of experience :**
- Preparing and Scheduling on the projects before proceeds to site. Customer liaison and handling technical queries of customers.
 - Preparation of test procedures, test formats, work schedule and testing equipments.
 - Testing and commissioning of power system products.
 - Reading, implementing and understanding the Engineering drawings, schemes.
 - Relay Setting Calculation and Configuration of logics as per schematic diagram & Testing and Commissioning of Relays for various needs.
 - Responsible for Testing and commissioning of Control and Relay panels, Switchgear Panels, Refurbishment, Trouble shooting and Investigation at site on Protection and control Scheme.
 - Training to Customer at site or in-plant during Inspection.
 - Responsibility on site Safety for Self and Team & Managing contractor workers.
 - Relay Testing:
 - Executed preparation of new scheme with existing scheme, Erection/Installation, Testing and commissioning of numerical protective relaying schemes replacing existing ones for different protection like Generator protection, Transformer protection, Line protection, Motor protection, etc.
 - Arranging required materials and tools, Preparation of work schedule, wiring schedule, calculation of relay settings, wiring and configuration of relays as per scheme, safety and customer requirements with team.
 - Experience with NUMERICAL RELAYS (GE Relays):
 - GE 369 motor protection relay.
 - GE 469 motor protection relay.
 - GE 750 over current relay.
 - GE MIVII under voltage relay.
 - Familiarity with Testing Devices:
 - FREJA 300 3-Ph secondary injection test kit.
 - B10E Variable DC supply.
 - Programma EGIL circuit breaker analyzer.
 - Phenix BK130 AC dielectric test system (Hipot).
 - OMICRON CMC 256plus.
 - SVERKER 760 1-Ph secondary injection test kit.
 - OMICRON CPC100 primary test system.
 - Programma TM1800 circuit breaker analyzer.
 - ODEN Primary injection test kit.
 - Megger MIT 520/2 5KV insulation tester.
 - Programma MOM200 and Megger DLRO Contact Resistance Micro-Ohmmeter.
 - ZeroWaste-IR6L SF6 Analyzer.