

Holds a B. Sc. in Electrical Power & Machines Engineering and has over 13 years hands-on experience working at Power Plants and substations.

PERSONAL DATA

Nationality : Egyptian
Birth Date : 10/02/1984
Gender : Male
Marital Status : Married

EDUCATION

: B. Sc. in Electrical Power & Machines Engineering, Helwan University, 2006

LANGUAGES

Arabic : Native Language
English : Very Good

COMPUTER SKILLS

: Windows, MS Office, Internet
: AutoCAD

TRAINING COURSES AND CERTIFICATIONS

- : Off-shore training in ALSTOM P320 AVR-V2 HARDWARE & SOFTWARE MAINTENANCE, Belfort – France (Mar. 2010).
- : Off-shore training in P320 TGC-S P3 MAS CONTROL SYSTEM, Belfort – France (Mar. 2010).
- : Off-shore training in ALSTOM Steam Turbine Generator Maintenance 50WX23Z, Mannheim - GERMANY (Apr. 2010).
- : Off-shore training in ALSTOM Generator auxiliaries maintenance, Mannheim - GERMANY (Apr. 2010).
- : On-shore training in METETO Water treatment operation and maintenance, METITO Training Center, Cairo (Jan. 2011).
- : On-shore training in MR On Load Tap Changer, Network Training Center, Cairo (Dec. 2005).
- : Power factor improvements and control voltage, Egyptian Society of Engineers (Jan. 2011).
- : Programming of Siemens step7 "300" PLC, Network Training Center, Cairo (Sep. 2009).

- : Power transformers tests and protection systems, Network Training Center, Cairo (Aug. 2008).
- : Power system grounding and protective earthing, Egyptian Society of Engineers (Sep. 2006).

CHRONOLOGICAL EXPERIENCE RECORD

- Dates** : From Feb. 2015 till Aug. 2019
- Employer** : Contractor for ABB Service Company - M.V department (KSA)
- Projects** :
 - Community Petrorabikh installation and commissioning 13.8KV SWGR
 - Naval base 13.8KV installation and commissioning 13.8KV SWGR
 - Islamic Port Red Sea commissioning 13.8KV SWGR
 - SAFCO Co turn round for 13.8KV SWGR
 - GABAL OMER hotels installation and commissioning 13.8KV SWGR
 - KAP1 installation and commissioning 13.8KV SWGR
 - TAIFF Shohda S/S commissioning 13.8KV SWGR
- Job title** : Field Service Engineer
- Job Description** :
 - Electrical installation and testing of 33/13.8KV SWGR.
 - Supply and Installation of Is Current Limiter in SS2B.
 - Upgrade and modifying control circuits and interlocks.
 - Scheme pre-check and loop check of wiring circuits.
 - Testing of the C.B (C.B timing, D\C contact resistance, insulation test, mechanism function check, coils MIN voltage ...etc.).
 - Protection relay testing (Over current, Earth fault, Deferential, over/under voltage, over/under frequency, ...motor protection, etc.).
 - Current transformer testing.
 - Voltage transformer testing.
 - Bus bar testing (insulation test, HI. Pot test, D\C contact resistance).
 - Stability test.
 - SCADA and annunciator alarm testing.
 - Trouble shooting for electrical circuits.
 - Auxiliary relays.
- Dates** : From Jan. 2014 till Feb. 2015
- Employer** : Contractor for ABB Service Company - H.V department (KSA)
- Projects** : With ABB high voltage section:
 - AL HAWIYAH / TAIFF 110KV/13.8KV substation
 - UM ELSALAM / GEDDAH 110KV/13.8KV substation
 - AL JAMOOM /MAKAH 110KV/13.8KV substation
 - BAHRA /MAKAH 110KV/13.8KV substation
 - WADILYAH /TAIFF 110KV/13.8KV substation
 - MARADAH Water Treatment Plant / JAZAN
 - TABUK Pharmaceuticals Factory / TABOUK
 - MARAFIQ Power and Water Utility Company building 23 / Yanbu City
- Job title** : Protection Field Service Engineer
- Job Description** :
 - Electrical installation of ABB LTB live tank circuit breaker 110KV.
 - Replacement of Hydraulic Operating Mechanism for 115KV GIS.
 - Upgrade and modifying control circuits and interlocks.
 - Scheme pre-check and loop check of wiring circuits.

- Testing of the new C.B (C.B timing, d/c resistance, insulation test, SF6 gas analysis, mechanism function check, coils MIN voltage and SF6 density monitor alarms, ...etc.).
- Current transformer testing (primary & secondary looping test).
- Voltage transformer testing.
- SCADA and annunciator alarm testing.
- Auxiliary relays.
- Power factor / tan delta test.
- Trouble shooting for electrical circuits.
- Power transformer & RMU testing and commissioning.

Dates : From Aug. 2013 till Jan. 2014
Employer : City Crowns Contracting Company - Riyadh, KSA
 (Contractor for ALTOKHI TIT)
Project : TABARJAL132/33/13.8KV substation
Job title : Electrical Testing Engineer
Job Description :

- Testing of medium voltage switchgear.
- Testing of low voltage molded case circuit breaker.
- Current transformer testing.
- Voltage transformer testing.
- Over current \ Earth fault protection relays.
- Auxiliary relays.
- Pre-check for schematic drawing.

Dates : From Sep. 2009 till Aug. 2013
Employer : Upper Egypt Electricity Production Company
Project : El-Kureimat II 750MW Combined Cycle Power Plant
Job title : Electrical Maintenance Engineer
Job Description :

- Responsible for PM Maintenance Engineer for electrical system of the Siemens AG Gas turbine module:
 - Mk – TLRI 100/36 Generator type SGEN5-1000A and its auxiliaries.
 - SEE SEMIPOL® Excitation Equipment D3.
 - SFC – Start Frequency Converter D3.
 - BAT – Generator transformers 16.5/240KV ($\pm 4 \times 2.5\%$ OFF LTC).
 - BBT – Unit auxiliary transformer 6.3/16.5KV ($\pm 9 \times 2.5\%$ ON LTC).
 - BBE/BBF – MV 6.3KV Switchgear.
 - UBA – Power control center (PCC).
 - Batteries, battery chargers and ups.
 - XKA – Emergency diesel generators.
 - MV 6.3KV and LV 0.4KV motors.
 - LV 0.4KV load center and MCC motor control center.
 - Kidde Fire alarm and firefighting system.
 - Automation systems and Local control cabinets.
 - 220KV substation testing of circuit breakers.
- Responsible for PM Maintenance Engineer for electrical system of HRSG (heat recovery steam generation):
 - Pump motors.

- Fire alarm system.
- Motor control centers MCC.
- AUMA motorized valves.
- Local control panels.
- Lighting and power distribution system of HRSGS.
- Interface pumps protection signals with control system DCS.

Dates : From Sep. 2008 till Sep. 2009
Employer : SKODA PRAHA
Project : NEW TALKHA Heat Recovery Steam Generation HRSG
Job title : Electric Power Construction / Commissioning Engineer
Job Description : Responsible for construction and commissioning activates for HRSG & BOP:

- High pressure feed water pump motors.
- Low pressure feed water pump motors.
- Fire alarm system KIDDE Vega CZN network panel.
- Motor control centers MCC.
- AUMA motorized valves.
- Local control panels.
- Lighting and power distribution system of HRSGS.
- Interface pumps protection signals with control system DCS.

Dates : From Feb. 2007 till Sep. 2008
Employer : Upper Egypt Electricity Production Company
Project : El-Kureimat II 750MW Combined Cycle Power Plant
Job title : Electric Power Engineer
Job Description :

- Responsible for follow the construction activities of the combined cycle module.
- Responsible for "Electrical Drawings Review and Approval" according to the Contract Specification Requirements.
- Coordination and Supervision of all Contractors Electrical Works and Identify any deviation from the contract.
- Siemens AG - Gas Turbines unit 1 - unit 2:
 - Generator and Unit Auxiliary Transformers.
 - Generator Circuit Breakers.
 - Main transformer and auxiliary transformer.
 - MV Switchgear, AC LV Switchgear (Load Center, MCC).
 - Batteries and Battery chargers and Uninterruptible Power Supply (UPS).
 - Medium & Low voltage cable, Interior and Exterior Illumination, Low current.

Further experiences : Instructor in ISCOA Training Center (DAMMAM - KSA)
 Conducted the following courses:

- Generator Maintenance.
- Industrial Switchgear Troubleshooting Maintenance & Testing.
- Basics of circuit breaker.
- Circuit breaker maintenance.
- Calibration of electric meters.

- Low and Medium Voltage Switchgear.
- Maintenance of power stations.
- Electrical power transformer maintenance and testing.