

Holds a B. Sc. in Electric Power & Computer Control Engineering and has about 11 years hands-on experience, mainly working in testing, protection and maintenance field. Has an in depth knowledge of installation, testing and commissioning of Power Generation Plant including the power transformers, HV, MV & LV switchgear, protection devices, DC system, load centre & MCCs.

PERSONAL DATA

Nationality : Egyptian
Birth Date : 06/08/1983
Gender : Male
Marital Status : Married
Residence : El-Mokattam, Cairo

EDUCATION

- : B. Sc. in Electric Power & Computer Control Engineering, Arab Academy for Science and Technology and Maritime Transport College of Engineering and Technology, 2005
- : Alqurauait Secondary School in KSA, 2000

LANGUAGES

Arabic : Native Language
English : Fluent

COMPUTER SKILLS

- : Windows, MS Office, Internet

TRAINING COURSES AND CERTIFICATIONS

- : SUE3000 high speed transfer device training, ABB AG Mannheim, Germany (Mar. 2015).
- : English for Professional 2 stages, 3 courses in each stage, ABB Alkubar, KSA (during 2014 & 2015).
- : Communication Skills training, ABB, Riyadh – KSA (Apr. 2014).
- : ABB REF615 & REF545 protection relays training, ABB Service, Alkubar – KSA (Feb. 2014).
- : Leadership training program, ABB Service, Alkubar – KSA (Dec. 2013).
- : Training on H2S, Qatar Petroleum, Doha – QATAR (Dec. 2012).
- : Training on Sea Survival, Qatar Petroleum, Doha – QATAR (Dec. 2012).
- : Training on ABB Occupational Health & Safety, ABB Service, Alkubar – KSA (Apr. 2012).

- : On-shore operation and maintenance training for WATER and WASTE WATER treatment package, Sidi Krir Power Plant, Alexandria – EGYPT (Jan. 2011) by METITO.
- : Generator Protection relay (MICOM), Sidi Krir Power Plant, Alexandria – EGYPT (Oct. 2010) by AREVA.
- : Training at Sidi Krir Power Plant, Alexandria – EGYPT (Sep. 2010) by Ansaldo in Electrical Maintenance for:
 - Generator & Generator Auxiliaries.
 - Generator Excitation system.
 - AVR system.
- : Auxiliary Power Transformer and Auxiliaries, Sidi Krir Power Plant, Alexandria – EGYPT (Jun. 2010) by AREVA (Indonesia).
- : Operation & Maintenance for Steam Turbine Generator, Sidi Krir Power Plant, Alexandria – EGYPT (May/Jun. 2010) by Ansaldo.
- : Training at Sidi Krir Power Plant, Alexandria – EGYPT (May 2010 & Dec. 2010) by EBARA:
 - HP/IP feed water pumps & LP feed water pumps.
 - CWP/SWP/CEP pumps.
 - Electrical motor for pump drives.
 - The pump maintenance.
- : Main Power Transformer and Auxiliaries, Sidi Krir Power Plant, Alexandria – EGYPT (Jun. 2010) by AREVA (Brazil).
- : Transformer Protection, Sidi Krir Power Plant, Alexandria – EGYPT (Apr. 2010) by AREVA (Indonesia).
- : At Schneider Electric Training Center, 10th of Ramadan – EGYPT (Mar. 2010):
 - Operation and maintenance for MV switchgears (type RoNex), MV circuit breakers (type LF), LV switchgears (type Block Set), LV circuit breakers and Direct On-Line starters.
 - MV & LV switchgears protection devices configuration, characteristics, protection function, measurement and metering reading.
 - Transformer classification, concept, types and routine tests.
 - EMCS system overview.
- : DC and Inverter Systems, Sidi Krir Power Plant, Alexandria – EGYPT (Mar. 2010) by GUTOR.
- : Local Control Panels and Audible Alarm Panels, Sidi Krir Power Plant, Alexandria – EGYPT (Mar. 2010) by Toshiba.
- : Cathodic Protection System, Sidi Krir Power Plant, Alexandria – EGYPT (Mar. 2010) by Toshiba.
- : Testing and Maintaining Power Transformers, Network Training Center, Cairo – EGYPT (Feb./Mar. 2010).
- : Training at Sidi Krir Power Plant, Alexandria – EGYPT (Apr./May 2009) by Mitsubishi Heavy Industries (M.H.I):
 - Generator & Exc. Transformer protection system.
 - Generator Excitation system.
 - AVR system.
 - Generator & Generator Auxiliaries.
 - MCCs & AC Distribution panels.
 - DC system.
 - MV, LV and DC motors.
- : Power station steam unit electrical protection course, Abu Qir Power Plant, Alexandria – EGYPT (Nov. 2008).

- : At Sidi Krir Power Plant, Alexandria – EGYPT (from Mar. till May 2008) by SIEMENS AG & SIEMENS LTD: Siemens training course for maintenance, operation, erection and installation in three fields:
 - GIS (type 8DQ1-1 500KV):
 - General explanations, technical data, substation description.
 - Modules of a switchgear bay.
 - SF6 gas system.
 - Checks – alarms – causes – remedial measures.
 - Manual operations.
 - Precautions and warnings.
 - Principles of maintenance, evacuating, filling and emptying gas compartments, flanged joints and practical exercises.
 - Protection Relays (SIPROTEC):
 - How to read Siemens drawings.
 - Test switch, trip circuit supervision and lockout relays.
 - Basics of DIGSI software including fault analysis.
 - Numerical protection, principle and hardware.
 - Principles of numerical protection SIPROTEC 4.
 - Breaker management protection 7VK61.
 - Transformer differential protection 7UT61 & 7UT63.
 - Busbar protection 7SS52.
 - Practical current transformer tests.
 - Practical primary current injection for busbar protection stability.
 - Practical test on SIPROTEC 4 relays types 7VK61, 7UT63, 7UT61, 7SS52 & 6MD66.
 - 500KV / 220KV / 11KV Auto Transformer training course.
- : EMPAC Course which deals with Work Orders, Asset Maintenance and Costing Calculations, Abu Qir Power Plant, Alexandria – EGYPT (Feb. 2008).
- : Attending the Network + course (Certificate by CompTIA), Allied Consultants (from Dec. 2005 till Apr. 2006):
 - Windows Server 2003.
 - Linux operating system.
 - Network Administration.
 - Network Troubleshooting.
- : Generator and Transformer Protection course, DCS System course, Maintenances of Vacuum C.B and SF6 C.B course and Circuit Design course, Abu Qir Power Plant, Alexandria – EGYPT (Oct./Nov. 2005).
- : Working with Power Generators, Studying efficiency of power stations. Application on some electrical circuits, Shoubra El-Kheima Power Plant, Cairo – EGYPT (Jul. 2004).
- : Working with Power Transmission Lines, Step up & down Transformer, Application on some electrical circuits, Shoubra El-Kheima Power Plant, Cairo – EGYPT (Aug./Sep. 2003).
- : Attended summer courses at Faculty of Engineering in:
 - MATLAB ver. (6, 6.5, 7 and 7.5).
 - Zelio (PLC software programming).
 - C language programming.
 - MPLAB (Micro processor Assembly language programming).

CHRONOLOGICAL EXPERIENCE RECORD

Dates : From Feb. 2016 till now
Employer : Schneider Electric, Cairo HQ, Egypt
Job title : Senior Site Engineer
Job Description :

- Specialized in Full Service for industrial asset management & maintenance support to all kind of service segments Electro-Mechanical service (LV & MV SWGRs, Transformers, Drives, Protection relays, ... etc.).
- Coordinate all site related tasks from project kick-off till closure for oil & gas segment and MMM segment.
- Support in solving customer raised concerns.
- Managing all site tasks which include but not limited to:
 - Managing resources.
 - Preparing work schedule and plans.
 - Preparing all site reports.
 - Attending customer meetings.
 - Monitor killing-off punch list items.

Dates : From Apr. 2012 till Nov. 2015
Employer : ABB Service Company Ltd, Alkubar – Kingdom of Saudi Arabia
Projects :

- Testing and commissioning of SUE3000 in Arar Power Plant, Arar in KSA
- Testing and commissioning of 2 SUE3000 in ABB factory, Riyadh 2nd industrial area in KSA
- Complete Configuration, Testing and commissioning of REF630 (28 relays) in SABIC / IBN SINA project, Jubail in KSA
- Complete Configuration, Testing and commissioning of REF630 (14 relays) in SAFCO / IBN ALBAYTAR project, Jubail in KSA
- Complete Configuration, Testing and commissioning of REM545 (6 relays) & REF542plus (9 relays) in Nakilat project, Ras Laffan in state of QATAR
- Testing and commissioning of 13.8KV ASEA switchgear (20 panels) in SADIP, Dammam 2nd industrial area in KSA
- Testing and commissioning of 13.8KV switchgear (4 panels) in Saudi Paper Manufacturing, Dammam 2nd industrial area in KSA
- Testing and commissioning of 13.8/0.48KV transformers (2 Transformers) in Kemya, Jubail in KSA
- Testing and Commissioning of REF542plus (42 relays) in Nakilat project, Ras Laffan in state of QATAR
- Replacing, Testing and Commissioning and Managing all site activities (as a Team Leader) of MV (13.8KV) ASEA switchgear (17 Panels 60HZ) at Substation #6, Saudi Electricity Company (SEC-WOA), Tabouk in KSA (REF615, MICOM P923)
- Complete Installation, Testing and Commissioning and managing all site activities (as a Team Leader) of MV (13.8KV) ZS1 switchgear (40 Panels 60HZ) at Al-Shuhada Substation, Saudi Electricity Company (SEC-WOA), Taif in KSA (REF615, REC670 and SPAJ140C)
- Testing and Commissioning of REM543 (1 Relay) in SAFCO, Jubail in KSA

- Testing and Commissioning of REC670 (4 Relays) in HARAGAH S/S (SEC), Abha in KSA
- Testing and commissioning of Al-Fakhriya Substation 115/13.8KV Saudi Electricity Company (SEC-EOA), Dammam in KSA
- Testing of 1600KVA, 11/0.418 KV transformers (2 Transformers) in QATAR PETROLEUM, Halul Island in State of QATAR
- Testing and commissioning of MV (11KV) ZS1 switchgear (8 Panels 50HZ) in Qatar Gas Transport Company Ltd. (NAKILAT) (Qatar Petroleum) in Ras Laffan Industrial City in State of QATAR
- Complete Installation, Testing and commissioning of 13.8KV ZS1 switchgear panel in SPECIALTY CHEM, Jubail in KSA
- Testing and commissioning of MV (3.3KV) 61MS2-1 switchgear Type UNIVER-G12 / UNIMOTOR (49 Panel 50 HZ) in G.P.I.C Sitra Island in State of BAHRAIN (REM630, RET630, REF630)
- Testing and commissioning of (13.8KV & 33KV) ZS1 switchgear excitation at HABOUNA S/S 115/33/13.8KV Saudi Electricity Company (SEC-SOA), Najran in KSA

- Job title** : Senior Field Service Engineer
- Job Description** :
- Specialized in Full Service for industrial asset management & maintenance support to all kind of service segments Electro-Mechanical service.
 - Perform Services to all kinds of electrical products and equipment in the areas of power transmission and distribution.
 - Installation, testing and commissioning of a broad range of electrical installations.
 - Carrying out all necessary design modification required to achieve the optimum operation and start-up conditions.
- Dates** : From Apr. 2007 till Apr. 2012
- Employer** : WDEPC (West Delta Electricity Production Company)
- Project** : Sidi Krir Power Plant
- Job title** : Electrical Protection Engineer
(Construction & Commissioning Engineer during implementation of the project, then Maintenance Engineer after putting the project into service)
- Job Description** :
- Review contract tender document.
 - Assist in evaluation of tenders.
 - Review submittals, transmittals received from contractors.
 - Interface, assisted and coordinated the review/approval of technical issues embodied in contract documents.
 - Attending and witness all electrical inspections and test requests with the consultant and subcontractors.
 - Assist the Commissioning Manager in all field relating issues and problems for necessary advice & action.
 - Monitor killing off punch list items with the consultant.
 - Review system design manuals and operation manuals to apply the optimum condition for system start-up and operation.
 - Carrying out all necessary design modification required to achieve the optimum operation and start-up conditions.
 - Attend all erection and installation work of GIS (Gas Insulated Switchgear), Transformers and Protection devices for 500KV Substation.
 - Start-up and Energization of 500KV GIS Substation.

- Commissioning activity for 500KV Gas Insulated Switchgear Substation (Testing Current Transformers, Potential Transformers, 500KV SF₆ Circuit Breakers and switches), Transformers and Protection Relays (SIPROTEC) (Testing Bus Bar differential, Breaker Failure, Synchro-check, Distance, Backup Over current, Transformer Differential and DC systems).
- Maintaining and troubleshooting all 500KV switchyard problems.
- Attend all the commissioning and testing activities for all protection relays in the 750MW Combined Cycle Project (2 Gas Turbine Units & 1 Steam Turbine Unit (3x250MW)):
 - Power Generators protection relays (BECKWITH and MICOM).
 - Power Transformers protection relays (SIPROTEC).
 - 6.3KV Switchgear protection relays (SEPAM).

Dates : From Aug. 2006 till Feb. 2007

Employer : FRAMCHEM S.A. (Abu Rwash Industrial Free Zone – Cairo)

Job title : Maintenance Engineer

Job Description :

- Maintenance of all production line that produce agriculture and industrial chemicals.
- Apply all modifications needed for production lines.
- Making and implementing preventive and periodical maintenance schedules for all equipment in the factory according to the supplier requirements to achieve optimum performance and operation.
- Manage all electrical project inside the factory.

Dates : From Feb. 2006 till Jul. 2006

Employer : EGYTRAFO (Industrial Zone - Badr City - 60 km on Cairo-Suez road)

Job title : Quality Engineer

Job Description :

- Apply all tests and inspections to NI-CD Batteries during all manufacturing process.
- Manage all ISO auditing process for NI-CD Batteries factory section.

Technical Skills:

- Dealing with many types of measuring, primary and secondary injection sets with high technologies such as:
 - (FREJA 306) 6 phase secondary injection tester.
 - (FREJA 300) 3 phase secondary injection tester.
 - (SEVERKER 750) Single phase secondary injection manual tester.
 - (ISA) Single phase secondary injection tester.
 - (Omicron CT ANALYZER) for CT tests.
 - (Omicron CPC100) Primary injection tester.
 - (Omicron CMC 256) 6 Phase secondary injection tester.
 - (Omicron CMC 356) 6 Phase secondary injection tester.
 - (PGK_HB) High voltage tester 50KV (AC), 70KV (DC).
 - (CRD-100X2) (ADWEL) Contact resistance tester.
 - (CT – 6500.) (VANGURD) Circuit breaker Analyzer.
 - (Programma – TM 1600) Circuit breaker Analyzer.
 - (C-A 6460.), (MEGGER DET) Earth resistance tester.
 - (MEGGER BITE 2) Battery internal impedance.
 - (ALCL – 40) Multi Arrester clamp leaker.

- (WRT-100) (ADWEL) Winding resistance test set.
- (ODEN – Programma) 3000A primary injection set.
- Also dealing with different protection relay software such as:
 - PCM600 & CAP (for ABB product).
 - MICOM S1 (for AREVA T&D products).
 - IPSCOM (for BECKWITH ELECTRIC products).
 - SFT2841 (for Schneider products).
 - DIGSI (for SIEMENS products).
 - In addition to test sets softwares.
- Other skills:
 - Troubleshooting Hardware problems and maintenance of equipment upgrade.
 - Installing software packages and solving many kinds of Software problems.
 - Giving support for all Microsoft programs Win XP, MS Office ...etc.
 - Working with ProgeCAD and PC-Schematic software.