

Holds a B. Sc. in Electrical Power & Machines Engineering and has over 16 years of experience in a wide spectrum of equipment's and components in the field of Power and Utilities (in Egypt and Gulf). Possess a sound knowledge and experience in managing erection, commissioning and maintenance activities of electrical equipment's.

PERSONAL DATA

Nationality : Egyptian
Birth Date : 08/071980
Gender : Male
Marital Status : Married
Residence : Currently Iraq

EDUCATION

: B. Sc. in Electrical Power & Machines Engineering, Benha University, 2005

LANGUAGES

Arabic : Native Language
English : Good

COMPUTER SKILLS

: Windows, MS Office (Word, Excel, Power Point), Internet
: AutoCAD
: Technical programming: Basic, C & Pascal Languages
: SAP

TRAINING COURSES AND CERTIFICATIONS

: Training program in COMBINED CYCLE POWER PLANT OPERATION.
: Training program in ENNORE THERMAL POWER PLANT.
: Training program in PROTECTION & RELAYS (G60, T60 & C60).
: Training program in ABB MEDIUM VOLTAGE & LOW VOLTAGE SWITCHGEAR.
: Training program in SWITCHGEAR APPLICATIONS & CONTROL.
: Training program in GENERATOR & AUXILIARIES INCLUDING EXCITATION SYSTEM EX2100.
: Training program in ABB GENERATOR CIRCUIT BREAKER.
: Training program in ALSTOM Transformer Maintenance & Testing Techniques.

- : Training program in 220KV substation & its maintenance.
- : Training course in Instruments Maintenance, certified from EDEPC (East Delta Electricity Production Company).
- : Training course in Siemens SGT5-2000E (V94.2) operation, certified from EDEPC (East Delta Electricity Production Company).
- : Training course in GEC ALSTOM (Steam Turbine & Auxiliaries) operation, certified from EDEPC (East Delta Electricity Production Company).
- : Training course in AEG (GIS) 220KV switchgear.
- : Training course in AEG (GIS) 66KV switchgear.
- : Training course in MOPCO training by OGS (oil & gas skills).

CHRONOLOGICAL EXPERIENCE RECORD

Dates : From Jul. 2021 till now
Employer : RINA (Italian Company)
Project : Zubair Oilfield Facilities in BASRA - IRAQ
Job Description : The Scope of work aimed to update the following documents, including all changes/modifications implemented by various contractors in the last 7 years in order to have a reliable set of documents (As Built) to work on P&IDs, PFDs, UFDs, SLDs, Cause & Effect Matrix (ESD - F&G), Line List, Piping Layout, Loop Diagrams. The Scope of work includes the 6 old DGSs, the 3 IPFs.

Dates : From Mar. 2013 till Mar. 2021
Employer : SAUDI ELECTRICITY COMPANY (SEC – Eastern Operating Area)
Project : Qurayyah Combined Cycle Power Plant – near Dammam – KSA (18x165MW Gas Turbines and 6x285MW Steam Turbines with total capacity 4500MW)
Job Description :

- Maintenance of Gas Turbine Power Plant with 165MW x 18 GE Mark VI, Frame 7E machines & its auxiliaries.
- Maintenance of Steam Turbine Generators with 210MW (GE) and its auxiliaries.
- Maintenance & Troubleshooting of GE State of the art Static Excitation System and Load Commutating Inverter along with its transformers, AC and DC reactors, Disconnecting switches, switchgears, etc.
- Preventive maintenance works in various power transformers such as Generator transformer, Unit auxiliary transformer, Station transformer, Station auxiliary transformer, Station standby transformer, Block auxiliary transformer & lighting transformer etc.
- Maintenance & Troubleshooting of ABB Generator Circuit Breakers.
- Maintenance & Troubleshooting of Motors, Vacuum Circuit Breakers and switchgears (Medium & Low voltage).
- Direct involvement in the planning, monitoring and execution of the electrical maintenance and troubleshooting through ERP in SAP system.
- Conducting training classes to the maintenance team and guiding new technicians.
- Preparing technical documents and safety presentations.
- Worked as an active member of team coordinating with GE to rectify the major abnormal sound of generator which includes conducting HNI test and disassembling and reassembling of generator Belly Band.

- Preventive maintenance and breakdown Maintenance works in the entire 18 Nos. GT's.

Dates : From Jan. 2011 till Mar. 2013
Project : Damietta Power Station Combined Cycle (1200MW)
Job title : Electrical Maintenance Engineer
Job Description : Maintenance, troubleshooting and electrical tests for:

- Generators (TLRI) 135MW, 10.5KV (SIEMENS).
- Steam generators 140MW, 11.5KV (ALSTOM).
- Main transformers 152 MVA, 10.5/11.5/220KV (ONAF).
- Auxiliary transformers 8.7 MVA, 10.5/6.3KV (ONAN).
- MV 6.3KV switchgear and LV 0.4 switchgear.
- Medium & low voltage motors.
- Medium & low voltage cables.
- Motor control centers (MCC).
- Potential transformers & current transformers.
- Battery chargers & batteries.
- Static & numerical (SIPROTIC) protection systems.
- Low voltage distribution & lighting systems.
- Interface between contactors activities.
- Isolated phase bus ducts.

Dates : From May 2010 till Jan. 2011
Project : Damietta Power Station Combined Cycle (1200MW)
Job title : Operation Shift Engineer
Job Description :

- Hand over all equipment's.
- Three Modules, each Module has:
 - Two Siemens gas turbines (135MW Type V94. 2).
 - Two Alston HRSG (60 bar, 500 C, 250 T/ hr).
 - Alston steam turbine (2500 T/hr, 145MW).
 - 220KV switch yard.
 - Four tie transformers 10.5 /220KV.
 - Six outgoing circuits 220KV.
 - Eight outgoing circuits 66KV.
- Responsible for solving any problems that may occur during the shift and also calling for maintenance if necessary.
- Coordination with operations and national control regarding shutdown or startup units, as well raising and reducing the loads.
- In addition to office work, such as attending, leaving, and vacations for the shift staff.

Dates : From May 2009 till May 2010
Project : Damietta Power Station Combined Cycle (1200MW)
Job Description : Operation of Gas Turbine Siemens V94.2.

Dates : From Jul. 2008 till May 2009
Project : Damietta Power Station Combined Cycle (1200MW)
Job Description : Operation of ALSTOM steam turbine.

Dates : From Jan. 2008 till Jul. 2008
Project : Damietta Power Station Combined Cycle (1200MW)
Job Description : Operation Auxiliaries for Steam turbine, such as: circulating water system, closed cooling, service water system, condensate system, feed water pumps (high pressure, low pressure), condenser vacuum pump, water box vacuum pump, lube oil system & hydraulic oil system.

Dates : From Jan. 2007 till Jan. 2008
Project : Damietta Power Station Modules I & II & III Combined Cycle (1200MW)
Job title : DCS Operator Engineer

Dates : From Aug. 2005 till Jan. 2007
Employer : Ckeaker to product Industrial Food Co.
Job title : Electrical Maintenance Engineer
Job Description : I was sharing with the electrical maintenance team:

- So I have obtained:
 - Some knowledge about medium tension cabins, switchgears & transformers.
 - Some knowledge about instrumentation systems.
 - Some knowledge about DC converters & soft starter.
- And I can:
 - Calculate each of loads & cables.
 - Go after any electrical break down which may stand in the way of operation.
 - Read the work shop drawings and P&I drawings.
 - Maintain any failure in control panels & MCC cabins (low voltages).

Further experience : Worked as Lecturer in OIL & GAS skills FOR TRAINING (OGS):

- Boot exams and correct it.
- Make evaluation for student at final of all the parts of material.

Field of experience :

- Maintenance of Gas Turbine Power Plant with 165MW x 18 GE Mark VI, Frame 7E machines.
- Maintenance of Steam Turbine Generators with 210MW (GE) and its auxiliaries.
- Trained in Non-conventional Power Plant.
- Operation and Maintenance of all Power Plant utilities.
- Familiar with Test Equipment like SVERKER760, FREJA300, Tan Delta 4000, Micro Ohm meter 600A, Transformer Ohm meter ODEN AT, B10E, CB Analyzer, CPC 100, CT Analyzer (Omicron) & Majority of GE Programmer and MEGGER Test equipment.
- Fully conversant with ISO 9001:2000 procedures and Saudi Electricity Company standards and procedures.
- Maintenance of Gas Turbine Power Plant with (1200MW) x 6 gas turbines (Siemens V94.2).
- 3 steam turbines (ALSTOM).
- Generators (TLRI) 135MW, 10.5KV (SIEMENS).
- Steam generators 140MW, 11.5KV (ALSTOM).
- Main transformers 152 MVA, 10.5/11.5/220KV (ONAF).

- Auxiliary transformers 8.7 MVA, 10.5/6.3KV (ONAN).
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- Motor control centers (MCC).
- Potential transformers & current transformers.
- Battery chargers & batteries.
- Static & numerical (SIPROTIC) protection systems.
- Low voltage distribution & lighting systems.
- Interface between contactors activities.
- Isolated phase bus ducts.
- Technical / Operating Skills: Demonstrated proficiency in planning & implementing the preventive, predictive & corrective maintenance schedules for improving the overall reliability and safety of plant equipment & machinery.
- Leadership: Ability to achieve desired results by encouraging and supporting the contribution of others. Possession of required knowledge, skills & experience to work effectively with others throughout the organization.
- Teamwork: Excellent team player, fast learner, and enjoys working in complete life cycle development of project from requirement analysis to implementing testing within the scheduled time period.