

Holds a B. Sc. in Electrical Power & Machines Engineering and has over 15 years' experience in Fossil Fuel Power Plants (Steam & Gas Turbines) from erection, commissioning through start-up and operation of power plants electric equipment's including (Power generators, Transformers, MV/LV switchgear, GCBs, AC/DC DP, IPB, UPS, Fire Fighting, GIS, AC/DC Motors, and all of other electric systems related to power plants). Familiar with feedback and start-up procedures of gas turbine units. Familiar with all of safety site rules and instructions. Familiar with fast-track and EPC projects.

PERSONAL DATA

Nationality : Egyptian
Birth Date : 01/12/1987
Gender : Male
Marital Status : Married
Residence : Assiut

EDUCATION

: B. Sc. in Electrical Power & Machines Engineering, Assiut University, 2009

LANGUAGES

Arabic : Native Language
English : Very Good

COMPUTER SKILLS

: Windows, MS Office (Word, Excel, Power Point), Internet

TRAINING COURSES AND CERTIFICATIONS

- : Construction Safety and Health, OSHAcademy (Aug. 2022).
- : General Industry Safety and Health, OSHAcademy (Aug. 2022).
- : Bently Nevada 3500 system and 1900 system, HYOSUNG GOODSPRINGS INC. (Oct. 2018).
- : Steam Turbine Operation site specific 10-Day / Assiut combined cycle Add-on, GE Power & Water Co. (Jan. 2018).
- : Operation and maintenance for LV & MV SWGR, Schneider Electric (Oct. 2016).
- : Gas Turbine Excitation System (EX2100e), GPP (Generator Protection Panel) Training, SFC (Static Frequency Converter) Training, GE Power & Water Co. (Nov. 2015).
- : Gas Turbine Maintenance Training Frame 9E Dual Fuel Gas / Liquid, GE Power & Water Co. (Nov. 2015).

- : Mark VIe control system Maintenance training, GE (Nov. 2015).
- : Gas turbine Operation Training (GE Frame 9E), GE (Jul./Aug. 2015).
- : Operation and maintenance of GE gas Turbine frame 9E, El-Shabab Power Plant (Nov./Dec. 2014).
- : Maintenance of power transformers, Hyundai Heavy Industries (Jul./Aug. 2015).
- : SCS system 220KV G.I.S substation Maintenance training, SIEMENS (Jun. 2016).
- : SCS system 220KV G.I.S substation Operation training, SIEMENS (Jun. 2016).
- : PLC (Level 1) Advanced Course, Jeilecom (Aug./Sep. 2007).
- : PLC (Level 2) Advanced Course & Introduction to SCADA system, Jeilecom (Ain Shams University Training Center) (Aug./Sep. 2009).
- : AutoCAD, Computer Science & Information Technology Assiut Training Center (Oct. 2008).
- : Pathways to Higher Education (PHE) (Jul./Aug. 2009):
 - "Development of Thinking and Managerial Skills".
 - "Behavioral Approach".
- : Pathways to Higher Education (PHE) (Jan./Feb. 2009):
 - "Development of Thinking and Managerial Skills".
 - "Managerial Approach".
- : Training course in the basic concepts of development in the NGOS SUPPORT CENTER for Training & Technical Assistance (Apr. 2004).
- : Summer trainings:
 - Assiut Oil Refining Co. (ASORC) (Jul. 2008 & Aug. 2009).
 - Telecom Egypt (Aug. 2007 & Jun./Jul. 2008).
 - Middle Egypt Electricity Distribution Co. (Jul. 2008).
 - Upper Egypt Electricity Production Co. (Aug. 2008).
 - Assiut Cement Co. (CEMEX) (Jul. 2007).
- : ICDL certified.

CHRONOLOGICAL EXPERIENCE RECORD

Dates	: From Dec. 2014 till Aug. 2025
Employer	: Upper Egypt Electricity Production Co.
Project	: New West Assiut CCPP 1500MW GE frame 9E
Job title	: Lead Electrical Engineer (Electrical Construction Dept.)
Job Description	: • Since the first day of the project, I participate in the pre-commissioning, commissioning, energize, start-up, shut down activities, troubleshooting and process monitoring of 8x125MW GE Gas Turbine frame 9E. • Erection, commissioning and maintenance of Generators 125MW. • Erection, commissioning and maintenance of Generators 250MW. • Erection, commissioning and maintenance of medium/low voltage switch gears. • Erection, commissioning and maintenance of 220KV switchgear and Protections. • Erection, commissioning and maintenance of Emergency / Black start-up systems. • Erection, commissioning and maintenance of GSU, UAT Transformers,

IPB and GCB.

- Familiar with using Protection testing kits like Omicron, ISA and others.
- Testing of G60, T60, Spam and SIEMENS protection relays.
- Erection and commissioning of high voltage cables 220KV.
- Attendance and participate all of high voltage test for 220KV switchgears / cables.
- Attendance and participate all of site tests for transformers, GCB and IPB.

Dates : From Aug. 2017 till Jul. 2018
Employer : ANDRITZ Co.
Project : New Assiut Barrage and Hydropower Plant Project 4x12 MVA
Job title : Lead Commissioning Engineer
Job Description :

- High voltage test of medium voltage switchgears / cables.
- Oil filling activities of Power Transformers (66KV/11KV/11KV).
- Testing of Power Transformers (Winding – Turns Ratio – Tan Delta – Excitation).
- Testing of VTs and CTs.
- Secondary injection testing of medium voltage protection relays.
- Measurement of earth resistance.
- Testing of Dry Transformers.
- Measurement of Soil/Earth Resistivity.
- Participate in the pre-commissioning, commissioning, energize, start-up and shut down activities.
- Full operation & monitoring of 8 SLUICEWAY Radial Gate.
- Operation via 250 SCALA – SCADA control system.
- Notes and reports.

Dates : From Dec. 2012 till Dec. 2014
Employer : Upper Egypt Electricity Production Co.
Project : Assiut Thermal Steam Power Plant 2x312MW
Job title : Junior Electrical Maintenance Engineer
Job Description :

- Maintenance of synchronous generators (420 MVA).
- Maintenance of protection relays (Generators, Motors, CB, etc.).
- Maintenance of low and medium voltage circuit breakers.
- Maintenance of 220KV switchgear and 220KV switch yard.
- Maintenance of AC & DC Motors.
- Maintenance of emergency power systems (UPS, Diesel Generators).
- Maintenance of low, medium and high voltage transformers.
- Maintenance of motorized valves.
- Maintenance of electric elevators, fire fighting systems, electric cranes and electric fork lift (electric traction).
- Major overall of 312MW synchronous generator.
- Major overall maintenance of power transformers 420 MVA including (Dismantling of active part and Bushing, Testing and Commissioning).

Dates : From Oct. 2010 till Dec. 2012
Employer : Upper Egypt Electricity Production Co.

- Project** : Assiut Thermal Steam Power Plant 2x312MW
- Job title** : Operation Engineer (Field & then Control Room Operator Engineer)
- Job Description** :
- Responsible for all operation modes (normal, start-up, shutdown, emergency) of the two units' components (Boilers, Turbines, Generators and auxiliaries of the two units).
 - Contribute to the maintenance of the two power stations of the company as well as contribute to the implementation of the necessary replacement and renewal of these stations.
- Dates** : During 2011
- Employer** : Kharafi National
- Project** : El-Shabab Gas Turbine Power Plant (8x125MW, GE Turbine frame 9E)
- Job title** : Commissioning Engineer
- Job Description** :
- Participate in the pre-commissioning, commissioning, energize, start-up, shut down, troubleshooting, monitoring activities.
 - Operation of G.I.S Monitoring, isolation, earthing, Lock out, Tag out.
 - Operation of Medium Voltage Switchgear 6.9KV & Low Voltage 400V Switching, isolation, earthing, Lock out, Tag out.
 - Mechanical & Electrical equipment Isolation, earthing, Lock out, Tag out.
- Dates** : From Jan. 2010 till Oct. 2010
- Employer** : Egyptian Railways Maintenance & Services Co. (ERMAS)
- Project** : Egyptian Railways Maintenance
- Job title** : Maintenance Engineer
- Job Description** : Maintaining, pre-maintaining & troubleshooting more than 200 Electrical Equipments.
- Field of experience** : Through my work at different sites, I have experience as follows:
- In May 2015 I traveled to GE factory in Belford - France to attend the FAT tests of Gas Turbine & Generator.
 - Organizing and giving training courses for new engineers.
 - Monitoring all status of Plant equipment's during the normal operation, shut down and upset conditions.
 - Monitoring the behavior of client in dealing with Plant equipment's during the warranty period.
 - Fixing all the troubleshooting's during the warranty period.
 - Closing all punch list (outstanding) items related to both erection and handing over certificate and taking over certificate.
 - Operation & Maintenance Advisor for all client departments if it necessary.
 - High experience with thermal power plant (combined cycle, Gas and steam Turbines) control system and operation parameters.
 - Full understanding of the principles of combined cycle, gas and steam turbines operation with the ability to comprehensively record, understand and interpret the performance curves of power plants.
 - Troubleshooting and Fault-finding skills on gas turbines and combined cycle, control systems, hydraulics, pneumatics and electrical systems.