

Holds a B. Sc. in Mechanical Power Engineering and a High Engineering Diploma (Power Plant). Has over 13 years hands-on experience working in construction, maintenance, operation, commissioning & start-up at several Power Plants.

PERSONAL DATA

Nationality : Egyptian
Gender : Male
Residence : Currently KSA

EDUCATION

: B. Sc. in Mechanical Power Engineering, Mansoura University, 2005
: High Engineering Diploma (Power Plant), Mansoura University, 2014

LANGUAGES

Arabic : Native Language
English : Good

COMPUTER SKILLS

: Windows, MS Office, Internet

TRAINING COURSES AND CERTIFICATIONS

: Training Course in Executive English (Jan. 2014).
: Training Course in Preparation Course: TOEFL (from Mar. till May 2014).
: Training Course in Siemens Gas Turbine (V94.2) Operation (Nov. 2006).
: Training Course in Alstom Steam Turbine Operation (Aug. 2008).
: Training Course in 9E GE Gas Turbine Maintenance (May/Jun. 2011).
: Training Course in 220KV Gas Insulated Switchgear (Jul. 2011).
: Training Course in Mechanical works, power plant (Jul. 2011).
: Training Course in Substation Automation System (May/Jun. 2011).
: Training Course in Preparation Welding Inspector (Apr. 2013).
: Training Course in Rules of Engagement for contractor passport (Oct. 2015).
: 10H Safety & Health for construction industry (Mar. 2017).
: Training Course in Solar Systems Design (On-Off Grid) (Apr. 2019).

CHRONOLOGICAL EXPERIENCE RECORD

Dates : From May 2019 till now
Employer : Marafiq for Water and Power Company - KSA
Projects :

- Yanbu 1 power and desalination plant
- Yanbu 2 power and desalination plant

Job title : Consultant, Utilities & Engineering Practice
Job Description :

- Improving the efficiency, simplicity and cost of the operation process.
- Create new operation Shift management procedures.
- Improve Shift field list activities and instructions to an advanced level.

Dates : From Nov. 2018 till Jan. 2019
Employer : LOTTE
Project : 450MW CCGT Grati - Power Plant Project - Indonesia:

- 2 Ansaldo Gas Turbines (V94.2) 180MW.
- 2 GE (Korea) HRSG.
- 1 SKODA Steam Turbine 180MW.

Job title : Start-up / Commissioning Engineer
Job Description :

- Prepare Start-up - Commissioning procedure.
- Perform power generation units start-up and shutdowns.
- Monitor power generation units to ensure reliable and efficient process.
- Analyze faults, investigate and recommend solutions.

Dates : From Dec. 2017 till Sep. 2018
Employer : GAMA
Project : PP13 Power Plant Project - KSA
(6 x GE Gas Turbines 180MW (7FA.05), Simple Cycle (phase))
Job title : Lead Mechanical Commissioning Engineer
Job Description :

- Inspect and witness installation of different equipment.
- Prepare Commissioning Documents.
- Conduct and supervise pre-commissioning and commissioning activities.

Dates : From Jul. 2016 till Dec. 2017
Employer : Orascom
Project : New Capital Power Plant Project
(8 x Siemens Gas Turbines 400MW (SGT5-8000H), 8 x Nem HRSG, 4 x Siemens Steam Turbines 380MW)
Job title : Lead Mechanical Commissioning Engineer
Job Description :

- Full responsibility for BOP systems such as Fuel Gas, Firefighting, water, Air systems (commissioning, operation and maintenance).
- Conduct and supervise pre-commissioning and mechanical commissioning activities for power generation units.

Dates : From Sep. 2015 till Apr. 2016
Employer : GE - [EGYPTROL](#)
Projects :

- New Assiut Power Plant (2x25MW GE Gas Turbine TM2500)
- El-Hammra Power Plant (4x25MW GE Gas Turbine TM2500)

- Job title** : O&M Senior Field Service Engineer
- Job Description** :
 - Power Generation units (operation and maintenance).
 - BOP systems such as Fuel Gas, Firefighting, water, Air systems (operation and maintenance).
- Dates** : From May 2015 till Aug. 2015
- Employer** : [EGYPTROL](#) – Seconded to GE
- Project** : Assiut Power Plant (8x125MW GE Gas Turbine Frame 9E)
- Job title** : Mechanical Commissioning Engineer
- Job Description** : Conduct and supervise pre-commissioning and commissioning activities for power generation units.
- Dates** : From Dec. 2014 till May 2015
- Employer** : Orascom
- Project** : New West Damietta Power Plant II (4x125MW GE Gas Turbine Frame 9E)
- Job title** : Senior Project Engineer
- Job Description** :
 - Inspect and witness installation of various equipment.
 - Perform TOP walk downs, identification of punch points.
 - Review vendor drawings, calculations, start-up Procedures and other vendor documentations.
 - Prepare Commissioning documentation.
 - Supervise pre-commissioning and commissioning activities.
- Dates** : From Oct. 2012 till Dec. 2014
- Employer** : East Delta Electricity Production Company
- Project** : West Damietta Power Plant I (4x125MW GE Gas Turbine Frame 9E)
- Job title** : Senior Project Engineer
- Job Description** :
 - Close mechanical punch items and make sure that it is up to contract specification and Manufacture of Equipment recommendation.
 - Prepare maintenance Annual Plan according to Manufacture of Equipment document.
 - Prepare Annual spare parts lists, oil, grease and filtersetc.
 - Coordinate, execute and supervise preventative & corrective maintenance activities.
 - Working with PGESCo team to review the Contract of Combined Cycle Project Phase and tenders offer for steam turbine and HRSG.
- Dates** : From Oct. 2011 till Oct. 2012
- Employer** : Kharafi National
- Project** : West Damietta Power Plant I (4x125MW GE Gas Turbine Frame 9E)
- Job title** : Lead Project Engineer
- Job Description** :
 - Receive the material from the contractor at site.
 - Participate in walk down to issue the invoice document related to completion of work.
 - Support owner stuff to supervise construction, pre-commissioning and commissioning activity related to project.
 - Ensure the commitment of the contractors to the contract specification.

Dates : From Mar. 2011 till Oct. 2011
Employer : East Delta Electricity Production Company
Project : Damietta Project II (4x125MW GE Gas Turbine Frame 9E)
Job title : Project Engineer
Job Description :

- Receive the material from the contractor at site.
- Perform TOP walk downs, identification of construction punch points.
- Inspect and witness installation process.

Dates : From Jun. 2006 till Jan. 2011
Employer : East Delta Electricity Production Company
Project : Damietta Combined Power Plant
(6x135 Siemens Gas turbine (v94.2), 3x140 Alstom Steam Turbines)
Job title : O&M Service Engineer
Job Description :

- Perform the unit start-up and shutdowns.
- Monitor power-generating unit to ensure reliable and efficient generation.
- Analyze faults, investigate and recommend solutions.
- Coordinate of maintenance activities.
- Operate BOP auxiliaries operation.

Field of experience :

- Consultant, Utilities & Engineering Practice:
 - Identify and prioritize improvement opportunities using a range of methodologies focused at improving the efficiency, simplicity and cost of the service processes.
 - Maintain and improve existing procedures and processes.
 - Write new Standard Operation procedures SOPs and process instructions on an advanced level.
 - Prepare reports and training materials in addition to technical reports.
 - Continually assess service process performance and drive continuous improvement.
- Lead Commissioning Engineer:
 - Inspect and witness installation of various systems in combined cycle power plant incl. alignments, piping hydro test ...etc.
 - Perform TOP walk downs, identification of construction punch points.
 - Participate in regularly scheduled construction & Commissioning progress meetings.
 - Review vendor drawings, calculations, start-up Procedures and other vendor documentations.
 - Use Manuals and project specification to prepare Commissioning documentation such as method of statement, risk assessment, safe distance calculation, commissioning procedure, and commissioning check lists ...etc.
 - Conduct and supervise pre-commissioning activity like flushing, pressure tests, cleaning, getting the systems ready for start-up and commissioning.
 - Conduct and supervise mechanical commissioning activity for power generation units (Gas turbine, steam turbine and combined plant).

- Conduct and supervise commissioning activity Balance of plant packages like firefighting system, Fuel gas system, Fuel oil system, Water treatment ...etc.
- Test, check and ensure the proper functioning of all mechanical equipment related to systems under commissioning.
- Provide supervision and guidance during the commissioning of discipline related activities.
- Investigate and resolve engineering and technical related problems.
- Prepare preservation plan according to Manufacture of Equipment document.
- Provide detailed commissioning records including daily reports and shift handover notes.
- Review handover packages, site activities reports and audits.
- Senior Project Engineer:
 - Ensure the commitment of the contractors to the contract specification.
 - Receive the material from the contractor at site.
 - Participate in walk down to issue the invoice document related to completion of work.
 - Support client Team to supervise construction, pre-commissioning and commissioning activity related to project.
 - Keep a diary to record daily work, occurrences, problems, special information, etc. plus a list of pending items.
 - Ensure that the TOP of systems are in accordance with procedure/work instruction.
 - Close mechanical punch items and make sure that it is up to contract specification and Manufacture of Equipment recommendation.
 - Prepare preventive maintenance scheduling according to Manufacture of Equipment document.
 - Prepare annual spare parts lists, oil, grease and filtersetc.
 - Coordinate and execute the preventative & corrective maintenance.
- O&M Field Service Engineer:
 - Perform the unit start-up and shutdowns.
 - Monitor the operation of a power-generating unit to ensure reliable and efficient generation.
 - Analyze turbine faults, investigate and recommend solutions.
 - Coordinate of maintenance activities.
 - Supervise and direct member of shift staff.
 - Train and develop competent staff.
 - Operate BOP auxiliaries operation (fuel unloading system – fuel treatment system - water treatment system).
 - Coordinate and execute regular maintenance and field services for all site equipment.