

Holds a B. Sc. in Mechanical Engineering and has about 9 years hands-on experience working in construction and maintenance at several Power Plants.

PERSONAL DATA

Nationality : Egyptian
Birth Date : 30/09/1985
Gender : Male
Marital Status : Married
Residence : Qalubia

EDUCATION

: B. Sc. in Mechanical Engineering, Benha University, 2008

LANGUAGES

Arabic : Native Language
English : Excellent

COMPUTER SKILLS

: Windows, MS Office (Word, Excel, Power Point), Internet
: AutoCAD 2007 (2D & 3D)
: Solid Edge version 17

TRAINING COURSES AND CERTIFICATIONS

: Off-shore training at General Electric facility (GE Belfort France) for Gas Turbine & Generator Maintenance, EX2100e Excitation System and Mark Vie Maintenance Course.
: On-shore Training (Giza North Power Project) for Gas Turbine & Generator Maintenance.
: On-shore Training (Giza North Power Project) for Gas Turbine & Generator Operation.
: Pneumatic and pneumatic control.
: Hydraulic and hydraulic control.
: Vibration analysis.
: Total productive maintenance.
: HVAC and ventilation systems design.
: Fire Fighting design.
: Water supply and drainages sanitary systems design.

CHRONOLOGICAL EXPERIENCE RECORD

- Dates** : From Aug. 2011 till now
- Employer** : Cairo Electricity Production Company (CEPC)
- Project** : Giza North Project, GE 6X 9FA DLN 2.6+ (6x250MW)
- Job title** : Mechanical Engineer
- Job Description** :
- Construction and Commissioning phase:
 - Analysis of technical offers submitted by bidders.
 - Review of technical documents submitted by contractors.
 - Follow up implementation of mechanical construction activities at a field for combustion turbine generators:
 - Installation of gas turbines and generator on pedestal.
 - Generator rotor insertion.
 - Combustion chamber assembly and all related piping works.
 - Non-destructive tests review such as (PT, UT and VT) and pressure test.
 - Alignment for turbine, generator, pumps and motors load coupling installation.
 - Construction of inlet air filter, inlet plenum, diverter damper and exhaust system.
 - Review test packages and turn over package as per contract specifications.
 - Review the implementation of commissioning and startup activities as a witness.
 - Perform surveillances for activities in progress related to mechanical if required.
 - Maintenance Duties:
 - Responsible for Forced outage for gas turbine and rotor repair:
 - Review the removing of Combustion Chambers, transition pieces, inlet plenum, flange to flange Casings, bearings and all related Piping as a witness.
 - Review the removing gas turbine & compressor rotor and machining activities as a witness.
 - Review reassembly of custom bearing, casings, combustion chamber, transition pieces, and all related piping and rotor as a witness.
 - Review alignment for the gas turbine with generator as a witness.
 - Charge Engineer for Combustion Inspection planned outage for Three Units (9FA):
 - Prepare detailed work scope for each agreed Outage(s).
 - Prepare and check for spare parts list required for outage (Consumables and capital).
 - Responsible for quality control and FME implementation during outage.
 - Responsible for achieving planned outage schedule.
 - Responsible for packing all refurbishment parts and send to GE repair workshop.
 - Maintenance Engineer:
 - Provide assessment on Spare parts storage and make necessary Spare parts orders.

- Responsible for routine, preventive and corrective maintenance for six gas turbines and its skids auxiliary skids
- Identify and capture opportunities for improvement in equipment maintainability and reliability.
- Adapt maintenance tools and procedures to improve equipment utilization and reliability, and minimize service quality incidents.
- Promote importance of data and service quality within maintenance community.
- Support Maintenance Manager in planning for equipment and maintenance resources and correcting existing discrepancies.
- Participate in technical audits and compliance assessments, and follow up on closure of remedial action plans.

Dates : From Feb. 2015 till May 2015

Employer : PSP

Project : MAHMOUDIA Fast Track Power Project, Siemens 92.4 (2x168.9MW)

Job title : Onsite Mechanical Technical Office Engineer

Job Description :

- Review and preparing final drawings according to the construction plan.
- Review and stamp all the final drawings for Construction.
- Coordinate between the construction and Technical office (off site) ensuring that the construction requirements are conveyed.
- Prepare all the construction drawings.
- Make sure that the construction team uses the updated drawings (Final revision) with stamped (for Construction).
- Review all material requests and coordinate with material control.
- Prepare all the required PRs.
- Attend progress meetings, discuss and suggest technical proposals.
- Coordinate with the construction team for solving any technical problems, informing the technical office off site and the engineering.
- Preparing all the site RFI, OLT...etc.
- Prepare all the as built drawings for sending to the Technical office (Off site) and engineering.

Dates : From Nov. 2010 till Jul. 2011

Employer : Kharafi National Egypt

Project : El-Shabab Power Plant, GE 8X 9FE DLN 2.6 (8x125MW)

Job title : Mechanical Engineer

Job Description :

- Installation of gas turbines on pedestal.
- Installation of generator on pedestal.
- Alignment for turbine and generator and load coupling installation.
- Construction of inlet air filter and inlet plenum assembly.
- Diverter damper and exhaust system assembly.
- Closing punch list.
- Attend commissioning and start-up activities.
- Test packages and Turn over package preparations.

Dates : From Sep. 2008 till Oct. 2010

Employer : Cairo Electricity Production Company (CEPC)

- Project** : Cairo North Power Plant, GE 2X 9FA DLN 2.6 (2x250MW)
- Job title** : Mechanical Engineer
- Job Description** :
- Attend training at Cairo North Power Plant Training Center for Gas Turbines operation and maintenance.
 - Work as Operation Engineer for 6 months (GE 9FA):
 - Work in conjunction with the Operations and Maintenance Supervisors and other shift personnel to ensure that safe working practices and conditions.
 - Work with the operations shift team to enforce safety rules and procedures by assuring safe work practices compliance on a daily shift-rotational basis.
 - Perform the necessary operating, regulating, and adjusting duties in maintaining proper control of Gas turbine and its auxiliaries.
 - Directly responsible for issuing Safe Work Permits, initiating Lock Out/Tag Out clearances and isolations.
 - Operate locally based computer operating systems for some sub-units within the plant.
 - Perform functional tests and interlock testing as directed by the control room.
 - Coordinate and participate in the planning and conductance of on-shift preventative maintenance activities.
 - Ensure a smooth and accurate shift turnover through proper written and oral communication.
 - Work as Maintenance Engineer and participate in CI, HGP inspection (9FA):
 - Combustion Inspection outage (CI):
 - Responsible for spare parts preparation.
 - Responsible for removing, marking and store of related piping and Combustion Chambers.
 - Responsible for implementation of outage activities according to O&M specs and TA instruction.
 - Hot gas Path Outage (HGP):
 - Responsible for spare parts preparation.
 - Responsible for removing, marking and store of related hot gas parts.
 - Responsible for implementation of outage activities according to O&M specs and TA instruction.

LEADERSHIP, STRENGTHS & EXPERTISE:

- Leadership skills & drive to achieve business goals.
- Cost Savvy, Strive for simplification to complex problems.
- Thorough knowledge and vast site field experience of Construction & Installation of plants including Civil, Mechanical, Steel Structure, Fabrication, Welding, Electrical & Instrumentation works.
- Expertise in welding of dissimilar metals, WPS, PQR, Welder Performance etc.
- Sound knowledge of Fabrication & Machine Shop.
- Drive best practices sharing Lesson Learned & Root Cause Analysis (RCA).
- Expertise in Non Destructive Evaluation (NDE).
- Drive to implement the ISO, ASME, ASTM, API, AWS, AWWA, SSPC, NFPA, ACI, AISC& GE Specifications, Standards, and Codes & Specs.

- Highly effective communicator in presenting and interacting with others and senior leadership.
- Trained in Health & Safety Requirements.