

Holds a B. Sc. in Mechanical Power Engineering and has over 11 years hands-on experience in construction, maintenance, operation, commissioning, start-up and also in piping and welding.

PERSONAL DATA

Nationality : Egyptian
Birth Date : 22/07/1978
Gender : Male
Marital Status : Married
Residence : El-Behira

EDUCATION

: B. Sc. in Mechanical Power Engineering, Tanta University, 2002

LANGUAGES

Arabic : Native Language
English : Good

COMPUTER SKILLS

: Windows, MS Office, Internet
: Draft drawing on AutoCAD program, 2D & 3D Modeling

TRAINING COURSES AND CERTIFICATIONS

- : Operation and maintenance of combined cycle, West Delta Electrical Production Company, Abu Qir, Dec. 2006.
- : Basic training on maintenance of Mitsubishi steam Turbine (250MW): Introduction to the plant, steam turbine, condenser, pumps (Nubaria, 2009).
- : Basic training off-shore on maintenance of STF HRSG: Basic HRSG Overview, Piping, Pumps, Valves, drums and casing (MILAN – ITALY, Jun./Jul. 2009).
- : Basic training on-shore on maintenance of STF HRSG: Pumps, Valves, harps, piping, drums and casing (Nubaria, Jan./Feb. 2010).
- : Basic training on maintenance of ALSTOM steam Turbine: Introduction to the plant - steam turbine, Mechanical parts: Condenser, Debris filter system, Condenser tube cleaning system, water box vacuum pump and Steam turbine control valves (Nubaria, from Mar. till May 2010).
- : Basic training on maintenance of INITEC mechanical equipment: Circulating, condensate, service, closed cooling pumps, Fire fighting system and HVAC system (Nubaria).

CHRONOLOGICAL EXPERIENCE RECORD

- Dates** : From Nov. 2010 till now
Project : NUBARIA Power Station 2250MW
Job title : Mechanical Maintenance Engineer
Job Description :
 - GE (general electric) gas turbine 2 units (250MW for unit).
 - Alstom steam turbine 1 unit (250MW).
 - STF heat recovery steam generator (HRSG) 2 units.
 - Mechanical equipment and auxiliaries.
- Dates** : From Jul. 2008 till Nov. 2010
Project : NUBARIA Power Station 2250MW
Job title : Construction, Commissioning & Start-up Engineer
Job Description :
 - GE (general electric) gas turbine 2 units (250MW for unit).
 - Alstom steam turbine 1 unit (250MW).
 - STF heat recovery steam generator (HRSG) 2 boilers.
 - Mechanical equipment and auxiliaries.
- Dates** : From Apr. 2005 till Jul. 2008
Project : NUBARIA Power Station 2250MW
Job title : Operation Engineer
Job Description :
 - SIEMENS gas turbine (250MW type V94-3A).
 - Liquid fuel commissioning and field engineer gas Turbine (Siemens V94.3A).
 - Follow up combustion chamber inspection of Siemens V94.3A.
 - Follow up hot gas pass inspection of Siemens V94.3A.
 - MITSUBISHI steam turbine 250MW (HP, IP, LP).
- Dates** : From Mar. 2003 till Apr. 2005
Employer : Nado for Metal Production Company, Alexandria
Job title : Mechanical Maintenance Engineer
Job Description :
 - Troubleshooting - Determining causes of mechanical or technological operating errors for hydraulic presses, axial piston pumps, valves, air reciprocating compressors and oil heat exchangers.
 - Solving technical problems.
 - Prepare weekly and monthly routine and preventive maintenance.
 - Equipment Maintenance - Performing routine maintenance on mechanical equipment.
- Field of experience** :
 - Welding and NDT:
 - Review welding Procedures Specification, Procedures Qualification Record and Welders Qualifications Tests with different welding processes (SMAW, GMAW and SAW).
 - Witness for the, MT, RT, PT, Visual inspection in Pipe lines and turbines parts.
 - Review all Piping Skids Fabrication / erection inspection, post weld heat treatment survey, diagram check and Pneumatic & hydrostatic tests.

- Inspection:
 - Review Inspection Check list for mechanical items (Turbines, Pumps, Valves, etc.).
 - Review dimensions Check report for machining items (Turbines, Pumps, Valves, etc.).
 - Review QC Plan.
 - Review manufactures Data Book for (Gas Turbines, and Steam Turbines).
 - Review Final Documentation of Test Package for Piping and turbines.
 - Punch List Preparation, Test Pack Review & Final Approval.
- Material inspection:
 - Conduct receiving inspection of all materials, Inspection is based on Project specification and relevant Standards such as ASTM and DIN.
 - Review and verify all the relevant materials Certification to assure its compliance is based on Project specification and applicable Standards.
- Piping:
 - Preparing and reviewing Valves datasheets, Pumps, Vendor technical Specifications to assure the compliance with the design and technical requirements.
 - Provide Piping Technical input to P&IDs including piping classes, valve types and special Items.
 - Experience in using the following Codes & Standards such as ASME Sec. I, ASME Sec. II, ASME Sec. V, ASME B31.1, ASME B31.3.
 - Preparing and reviewing piping specifications in accordance with the general codes (Good awareness of Bechtel Standards).
- Field experience:
 - Construction supervision on site activates combined cycle power plant including: Providing redesign solutions for the field Problems or changes.
 - Insuring implementation and adherence to project specifications and procedures.
 - Responsibility for monitoring piping construction and fabrication activities insuring quality and taking necessary actions to maintain satisfactory standards.
 - Preparing work packages with all design documentations and method statement for work permits approval.
 - Witnessing all field tests including hydro test and all NDT tests.
 - Reviewing all site work and prepare the punch list for the construction contractor.
- Maintenance experience:
 - Working in gas turbine maintenance (preventive maintenance and overhaul maintenance).
 - Gas Turbine maintenance (Combustion, Hot gas path and Major Inspection).
 - Steam Turbine maintenance (HP, IP and LP steam turbine Inspection).
 - Specifying the spare parts that are required.
 - Administer the preparation of Purchase Requisitions for the procurement of equipment and materials.
 - Direct the preparation of technical Inquiry Requisitions.
 - Direct and monitor Material Take-off (MTO).

- Reviewing and establishing best maintenance philosophy for rotating equipment.
- Installation and Maintenance of Special / General purpose rotating equipment with particular reference to Steam Turbine, Gas Turbine, Multistage Centrifugal Compressors, Screw Compressors and Centrifugal Pumps.
- Proficient in the Maintenance of Pumps, Compressors, Valves and other Process Plant Equipment.
- Equipment Maintenance - Performing routine maintenance on mechanical or technological equipment and determining when and what kind of maintenance is needed.
- Equipment Selection - Determining the kind of tools and equipment needed to do a job.
- Supervising the installation, operation and maintenance, and repair to ensure that machines and equipment installation, operation and according to specifications.
- Selecting the suitable Mechanic to take the examination and repairing process for equipment.
- Full knowledge about the preventive maintenance tasks.
- Prepare and maintain statistical maintenance and technical reports related to the routine and preventive maintenance activities.
- Prepare weekly and monthly routine and preventive maintenance plans.
- Determine methods and solutions for complex engineering problems and select.