

Holds a B. Sc. in Mechanical Power Engineering and has over 11 years hands-on experience, including 6 years working in construction of Fire Fighting Systems and GE Gas Turbines and 4 years in maintenance of GE and SIEMENS gas turbines.

## **PERSONAL DATA**

Nationality : Egyptian  
Birth Date : 03/03/1981  
Gender : Male  
Marital Status : Married  
Residence : Currently KSA

## **EDUCATION**

: B. Sc. in Mechanical Power Engineering, Alexandria University, 2003

## **LANGUAGES**

Arabic : Native Language  
English : Fluent

## **COMPUTER SKILLS**

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

## **TRAINING COURSES AND CERTIFICATIONS**

: Maintenance off-shore training at STF Company for Heat Recovery Steam Generator in Magenta, Milano – ITALY for one month (Jul. 2009).  
: Maintenance on-shore training at STF Company for Heat Recovery Steam Generator at Nubaria Power Station for 2 weeks (Jan. 2010).  
: Die Penetrate Test (PT) Certified.  
: One week on-shore training in fire fighting and industrial safety, Fire Fighting Society, Feb. 2010.  
: PMP Course (48 hours) in New Horizons, Alexandria.  
: PRIMAVERA Course (48 hours) in New Horizons, Alexandria.

## CHRONOLOGICAL EXPERIENCE RECORD

<b>Dates</b>	:	From Sep. 2013 till now
<b>Employer</b>	:	Saudi Arabian Engineering Co. Ltd (SAECO)
<b>Job title</b>	:	Senior Gas Turbine Engineer (Site Manager)
<b>Job Description</b>	:	<ul style="list-style-type: none"><li>• GE gas turbines frame (MS-6001B, MS-5001 PA, MS-5002E and MS-7001EA).</li><li>• Work as a Site Manager in GE gas turbine outages.</li><li>• Assist the Contract Performance Manager on assigned models / projects / contracts, assuring conformance to long term service contract terms and conditions and operation plans.</li><li>• Manage Transactional contracts from operations, financial, technical and risk perspectives.</li><li>• Coordinate site activities including but not limited to maintaining operation records, maintain parts history, parts receipt / shipment, parts inventory, coordination with different GE internal functions / departments / business for customer issue resolution. Data collection and sharing as needed.</li><li>• The ability to isolate the problem by studying the situation and predict probabilities.</li><li>• Initial troubleshooting of control, mechanical and electrical problems on gas turbines.</li><li>• Technical acumen to analyze the problems and find the proper solution.</li><li>• Respond to customer technical inquires for operation of plant.</li><li>• Provide technical guidance and support to the customer on relevant operational matters.</li><li>• Analytical skills as a result of exposure to many of the problems and find appropriate solutions.</li><li>• Problem solving through the study of the problem and analyzed with the team to reach the appropriate decision.</li><li>• Strong interpersonal skills as it is one of the key factors in the completion of work in the schedule plan and figure out how to satisfy the customer.</li><li>• I have patience enough to deal with the customer to convince him and get his satisfaction.</li><li>• Effective communication skills with managers, teamwork and the customer.</li><li>• Good monitoring and supervising skills.</li><li>• Define project scope and deliverables, develop and refine design specifications, create and execute work schedules and ensure compliance with timelines.</li><li>• Conduct design reviews with project owners and work groups, prepare and report on budgets and completion of project milestones.</li><li>• Manage activities of outside vendors and suppliers, assuring services and supplies are delivered on time and meet project specifications.</li><li>• Maintenance of the equipment &amp; products as I have good background in GE gas turbines maintenance.</li><li>• Preparing the service reports of the customers.</li><li>• Developing and maintaining good relationships with customers to assist in the increase of sales.</li><li>• Providing the product information to the customers.</li></ul>

- Designing the product as per the customer's requirements.
- Preparing online database of customers to track the service periods.
- Solving the queries of the customers regarding the technicalities of the product & services.
- Project specific activities include life cycle analysis of hot gas path components of GE gas turbines, refurbishment methods and tooling improvement, component problem analysis, and repair/replacement process designed to increase equipment life cycles and reduce costly downtime/repairs.
- Review spare parts, purchase order and associated delivery dates.
- Review status of parts being refurbished.
- Review manpower planning.
- Review changes in safety regulations, which require implementation during the next inspection.
- Full awareness of GE gas turbine operation.
- Incident and repetitive problems investigation (identification and isolation of problems, root-cause analysis, problem reporting, corrective action recommendation and the best practices to minimize the downtime.
- Perform on-site installation of systems and equipment and preventive maintenance, repair and calibration after installation.
- Apply all routine maintenance take into consideration the troubleshooting.
- Ensure that the equipment is properly isolated before starting the maintenance job.
- Full awareness of all site safety precautions.
- Review all vendor documentation to assure the compliance with the design and technical requirements.
- Preparing all kind of reports, letters and spare parts list.

<b>Dates</b>	:	From Oct. 2009 till Sep. 2013
<b>Employer</b>	:	MDEPC (Middle Delta Electricity Production Company)
<b>Project</b>	:	Nubaria Combined Cycle Power Station 750MW
<b>Job title</b>	:	Mechanical Maintenance Engineer
<b>Job Description</b>	:	<ul style="list-style-type: none"> <li>• Follow up all site mechanical maintenance activities for gas turbines such as:               <ul style="list-style-type: none"> <li>- Analyze and implement improvements and corrective action on combustion system components including gas and liquid nozzles.</li> <li>- Perform life assessment studies and life cycle analysis on gas turbine engines, generators and their components assemblies.</li> <li>- Project specific activities include life cycle analysis of hot gas path components of SIEMENS gas turbines, refurbishment methods and tooling improvement, component problem analysis and repair / replacement process designed to increase equipment life cycles and reduce costly downtime/repairs.</li> <li>- Full awareness of GE gas turbine operation.</li> <li>- Review parts order and associated delivery dates.</li> <li>- Review status of parts being refurbished.</li> <li>- Review manpower planning.</li> <li>- Review changes in safety regulations, which require implementation during the next inspection.</li> </ul> </li> </ul>

- Review all spare parts and make purchase order.
- Incident and repetitive problems investigation (identification and isolation of problems, root-cause analysis, problem reporting, corrective action recommendation and the best practices to minimize the downtime).
- Perform on-site installation of systems and equipment and preventive maintenance, repair and calibration after installation.
- Apply all routine maintenance take into consideration the troubleshooting.
- Ensure that the equipment is properly isolated before starting the maintenance job.
- Full awareness of all site safety precautions.
- Review all vendor documentation to assure the compliance with the design and technical requirements.
- Control the project P&IDs and isometric drawings including piping specification, valve types and special notes.
- Full awareness of all kind of materials specifications.
- Preparing all kind of reports, letters and spare parts list.
- Perform visual test for all site welding activities (VT).
- Perform Die-penetrate test (PT) certified.
- Follow up and supervision for Overall Inspection (SIEMENS Gas Turbines V 94.3A) for 4 units in Nubaria Site and perform activities such as:
  - Participate in Vane Carrier.
  - Participate in stacking Rotor Discs.
  - Participate in Compressor thrust and journal bearing.
  - Participate in Turbine bearing.
  - Participate in Compressor Diaphragms.
  - Participate in Turbine and Compressor blades.
  - Participate in IGV and OGV.
  - Participate in Casing No. 1, 2, 3.
  - Participate in Compressor 1, 2.
  - Participate in Combustion Chamber and Outer Shell.
  - Participate in Grinding Compressor New Blades in case of measurements out of required.
- Follow up and supervision for Combustion Inspection CI and warranty inspection (General Electric Gas Turbines GE MS9001 FA) for two units in Nubaria Site and perform activities such as:
  - 4 Major Inspections.
  - 2 Hot gas path Inspections.
  - 4 Combustion Inspections.
  - Participate in compressor 1 stage repair and blades change.
  - Borescope inspection for all gas turbine sectors.
  - Participate in Bearing No. 1, 2, 3, 4 and thrust bearing inspection.
  - Take all clearances referring to all Compressor and Turbine sections.
  - Assembly and disassembly all gas turbine parts.
  - Full awareness of ITH, River Hawk and high torque machines.
  - Do turbine alignment.
  - Participate in wet tie modification on Generator.
  - Participate in all warranty inspection tests.
  - Make NDT for all bearings and blades.

<b>Dates</b>	:	From Sep. 2006 till Oct. 2009
<b>Employer</b>	:	MDEPC (Middle Delta Electricity Production Company)
<b>Project</b>	:	Nubaria Combined Cycle Power Station 750MW
<b>Job title</b>	:	Mechanical Construction Engineer
<b>Job Description</b>	:	<p>Follow up all site mechanical construction activities for 2 GE Gas Turbines (MS9001FA) such as:</p> <ul style="list-style-type: none"> <li>• Control the project P&amp;IDs and isometric drawings including piping specifications, valve types and special notes.</li> <li>• Control all piping fabrications.</li> <li>• Reviewing pumps &amp; valves datasheets, vendor technical specifications and bidders' quotations.</li> <li>• Following up Structure Support of project.</li> <li>• FM-200 Fire Suppression systems.</li> <li>• Reviewing piping specifications in accordance with the company standards and general codes (full awareness of Bechtel, ASME, DIN, NFPA, AWWA and AWS standard codes).</li> <li>• Piping systems for water and steam, piping specifications, general arrangement layouts, Piping isometrics, Supports Details, piping insulation, fittings, Materials take off, Equipments location plans, plot plans, orientation drawings, Tie-in Index &amp; tie in packages and terminal points.</li> <li>• Technical support and installation each one Static and Rotating Equipments (Air Fan, Separators, Vessel, Pumps, Gas Compressors, General Package, Heat Exchange, Stabilize Column, Over Head Crane, chemical injection pumps etc., they were installed, according of standards procedure.</li> <li>• Coordinate activities with Vendor Representative.</li> <li>• All welding process, WPS, PQR, pre and post weld heat treatment.</li> <li>• Mechanical discipline lead in writing technical specifications, datasheets, enquiries for tender, bid analysis, design reviews, constructability studies, hazard operability studies.</li> <li>• Pre-commissioning and start-up activities accomplished objective such as lube oil flushing, hydrotesting, loop checks, function checks, system walkdowns, system check outs, motor rotation checks, confirm that systems are built in accordance with the P&amp;I diagram, prepare the plant for start-up, verify that valve lineups are correct before operation.</li> <li>• Review all vendor documentations to assure the compliance with the design and technical requirements.</li> <li>• Full awareness of all kind of materials specification.</li> <li>• Full awareness of all safety precautions.</li> <li>• Coordinate all mechanical activities (Mechanical Equipment and piping installation) with other disciplines i.e. Civil, Electrical.</li> <li>• All kinds of site tests such as (Hydrostatic tests, Leak Tests and Alignment).</li> <li>• Perform Visual Test for all site welding activities (VT).</li> <li>• All underground piping activities.</li> <li>• Attend mechanical activity progress meetings.</li> <li>• Make consolidation MRR's for all the piping, fittings and pipe supports.</li> <li>• Preparing all kinds of reports, letters and spare parts list.</li> <li>• Responsible for supervising the construction of the Contract Items and Schedule of the Various Contacts.</li> </ul>

- All substations work such as fire fighting systems, HVAC, plumbing.

**Dates** : From Jul. 2003 till Aug. 2006  
**Employer** : ABB Egypt  
**Project** : San Stefano Grand Plaza (Four Seasons, Alexandria)  
**Job title** : Mechanical Construction Engineer  
**Job Description** : Build Fire Fighting, HVAC & Plumbing Systems.