

Holds a B. Sc. in Mechanical Engineering and has about 10 years hands-on experience in fossil power generating stations starting from construction till Turnover packages, commissioning activities, start-up, operation, reliability tests, Performance test, until commercial operation. Aware with most Mechanical standards (ASTM, ASME, API, AWWA.ANSI, NFPI, AWS, NFPA, SMACNA). Certified from American Society for Non-Destructive Testing (ANST) on liquid penetration testing (PT), Level 2.

## PERSONAL DATA

Nationality : Egyptian  
Birth Date : 15/04/1980  
Marital Status : Married

## EDUCATION

: B. Sc. in Mechanical Engineering, Alexandria University, 2001

## LANGUAGES

Arabic : Native Language  
English : Very Good

## COMPUTER SKILLS

: Windows, MS Office, Internet  
: AutoCAD

## TRAINING COURSES AND CERTIFICATIONS

- : Professional training on maintenance for 250MW STG at Mitsubishi Heavy Industry Company, Japan (Jun. 2006)
- : Professional training on maintenance of SIEMENS 250MW Combustion Turbine Generator, Germany (Dec. 2005).
- : Professional training on STG maintenance training Mitsubishi Company, Egypt (Aug. 2006).
- : Professional training on traveling water screen system maintenance INITEC / TRANOS Company, Egypt (Apr. 2006).
- : Professional training on air compressor system maintenance INITEC / COMPAIR Company, Egypt (Aug. 2006).
- : Professional training on hydrogen and oxygen gas plant maintenance INITEC / STUART ENERGY Company (Apr. 2006).
- : Training Course in STG Operation at ABU QIR Training Center.
- : Training Course in EMPAC Program for operation and maintenance plant at ABU QIR Training Center.

## CHRONOLOGICAL EXPERIENCE RECORD

- Dates** : From Apr. 2011 till now
- Employer** : Middle Delta Electricity Production Company (MDEPC)
- Project** : Nubaria Combined Cycle Power Plant (Module III, 1x750MW):  
The module contains two 9FA CTG 2x250MW manufactured by GE Energy, two HRSG manufactured by STF and one 250MW STG manufactured by ALSTOM.
- Job title** : Head Section of Turbine Maintenance department (Module 3)
- Job Description** :
- Lead and supervise team from nine mechanical maintenance engineers and providing expertise to them (more than 30 technician and labor reported to me).
  - Follow up all plant Turbines (Gas & Steam) maintenance activities on daily, weekly, monthly & annually basis.
  - Supervising & scheduling mechanical maintenance for turbine auxiliaries (preventive & predictive maintenance, troubleshooting & overhauling).
  - Preparation of spare part lists (Capitals & Consumables) and tools required for overhaul maintenance and inspection.
  - Coordinate with other departments for common maintenance activities (I&C, Electrical, etc.) and take the remedy action.
  - Attend weekly troubleshooting meetings.
  - Follow up store management for all remaining parts from construction period.
  - Supervise stocktaking for all mechanical stores.
- Dates** : From Oct. 2008 till Apr. 2011
- Employer** : Al-Fanar Construction Company, KSA
- Job title** : Senior Mechanical Engineer
- Job Description** : Reinforcement of HAIL-2 Power Plant Project (2x60MW), Gas Turbines manufactured by SIEMENS Company:
- Follow up all site mechanical construction activities.
  - Supervise installation, erection, testing and commissioning of all mechanical systems (CTG – Auxiliaries – Fire fighting systems – Fuel oil treatment Plants – Piping – steel structure).
  - Reviewing and revise all submittals as per specification and scope of work and as per site conditions before submitting to consultant for approval.
  - Give technical support for the design team as per site conditions and prepare proposal for any required modification.
  - Attend mechanical activity progress meetings and make sure that site activities are in line with project schedule.
  - Monitor and attend all Types of NDT's (Non Destructive Tests).
  - Coordinate all mechanical activities with other disciplines i.e. Civil, Electrical, I&C.
  - Prepare 3 weeks schedule (Planned & Actual progress) for mechanical activities.

New Kandarah 380/110KV BSP:

- Follow up all site mechanical construction activities.
- Reviewing and revise all submittals as per specification and scope of work before submitting to consultant for approval.
- Attend mechanical activity progress meetings and make sure that site activities are in line with project schedule.
- Monitor and attend all Types of NDT's (Non Destructive Tests).
- Supervise installation and Testing and commissioning of all Mechanical Systems (HVAC – Fire alarm and detection – FM 200 – Over head traveling Cranes – Plumbing work – Cable trays).
- Coordinate all mechanical activities with other disciplines i.e. Civil, Electrical.
- Facilitate coordination of contractor's work with third parties.
- Review and check As-Built drawings.

<b>Dates</b>	:	From Sep. 2005 till Oct. 2008
<b>Employer</b>	:	MDEPC
<b>Project</b>	:	Nubaria Combined Cycle Power Plant: The Plant comprising 3 modules x 750MW (2250MW), two modules contains four CTG 4x250MW manufactured by Siemens, four HRSG manufactured by ALSTOM, two 2x250MW STG manufactured by MITSUBSHI. The other module contains two CTG 2x250MW manufactured by GE Energy, two HRSG manufactured by STF and one 250MW STG manufactured by ALSTOM.
<b>Job title</b>	:	STG & CTG Construction Engineer
<b>Job Description</b>	:	<ul style="list-style-type: none"><li>• Lead and supervise team from six mechanical engineers.</li><li>• Review and evaluate bid proposals for the mechanical subcontractors and give technical solutions and corrective action in order to quality and cost efficiency of the maintenance activities. Spare parts, manpower, technical data support.</li><li>• Follow up all site mechanical construction activities for the contracts.</li><li>• Reviewing and revise all submittals with the contracts.</li><li>• Attend mechanical activity progress meetings and make sure that site activities are in line with project schedule.</li><li>• Monitor and attend all Types of NDT's (Non Destructive Tests) &amp; Hydrostatic Tests.</li><li>• Monitor and attend shaft alignment for CTG &amp; STG Rotors.</li><li>• Calibration of all steam turbines control valves with main contractor.</li><li>• Review and approve MRR's (Material Receiving Reports).</li><li>• Review and approve contractors' progress invoices.</li><li>• Coordinate all mechanical activities (Mechanical Equipment and piping installation) with other disciplines i.e. Civil, Electrical.</li><li>• Review and check As-Built drawings.</li></ul>
<b>Dates</b>	:	From Aug. 2003 till Sep. 2005
<b>Employer</b>	:	WDEPC
<b>Project</b>	:	Damanhour Thermal Power Station (3x65MW)
<b>Job title</b>	:	STG Maintenance Engineer

- Job Description** : • Supervising & scheduling mechanical maintenance for turbine auxiliaries (preventive & predictive maintenance, troubleshooting & overhauling) for Axial Flow & centrifugal pumps, travelling screen, trash rakes, valves, overhead crane.
- Leading a team of Supervisors, organizing manpower and providing process expertise to them.
  - Maintaining daily maintenance report.
  - Preparation of spare part lists required.
  - Work the routine maintenance.
  - Responsible of EMPAC Program, that can collect all information about the equipment of the units and prepare Preventive Maintenance and spare parts of item inventory and load the data to the computer.
- Dates** : From Nov. 2001 till Aug. 2003
- Employer** : WDEPC
- Project** : Damanhour Thermal Power Station (3x65MW)
- Job title** : Shift Operation Engineer
- Job Description** : • Monitoring power plant running conditions and customizing the performance of the whole circuits in order to deliver the required power to the electric network according to the central dispatch requirements.
- Supervising of all operation stuff (Turbines – Boilers – Control).
  - Writing daily report of operation in every shift.
  - Reporting work orders to the appropriate maintenance department.
  - Supervising start-up and shutdown for the power station.
  - Doing all the switchgears maneuverings (connecting and disconnecting breakers and bus-couplers) with the Local Distribution and control Department.
- Field of experience** : • Senior Mechanical Engineer with 10 years experience in fossil power generating stations start from construction till Turnover packages. Commissioning activities start-up, operation, reliability tests, Performance test, until commercial operation.
- Follow up design progress for project and reviewing the design before submitting to consultant (to match with Project Technical Specifications and Standards).
  - Evaluate inquiries for Mechanical Equipments and systems.
  - Follow up with subcontractors to insure the material delivery dates to be in line with project time schedule.
  - Follow up with consultant and client on daily, weekly and monthly basis.
  - Follow up time schedule during all stages of project execution.
  - Provide technical support and take corrective action for any deviation occurred from time to time.
  - Coordinate with the project manager to meet the site requirements for material, equipment and manpower according to the plan and follow up the provisions of the same with the project management and other departments.
  - Hold weekly meetings to review progress on material, manpower & other related matters with the foremen to understand the problems affecting the work progress and discuss all possible remedial measures.

- Prepare the monthly invoices for the works executed and materials delivered within the specified time and as per the terms & Conditions of the contract.
- Aware with most Mechanical standards (ASTM, ASME, API, AWWA.ANSI, NFPI, AWS, NFPA, SMACNA).
- Aware with SEC (Saudi Electricity Company) Standards for Mechanical Systems.
- Certified from American Society for Non-Destructive Testing (ANST) on liquid penetration testing (PT), Level 2 (valid till Aug. 2011).