

100028-MEC-1CGMOSY-E-1987
Senior Mechanical Engineer

Holds a B. Sc. in Mechanical Production Engineering and has about 30 years hands-on experience working in operation, maintenance and commissioning at Power Plants and other industrial projects.

PERSONAL DATA

Nationality : Egyptian
Birth Date : 26/01/1964
Gender : Male
Marital Status : Married
Residence : Mahmoudia

EDUCATION

: B. Sc. in Mechanical Production Engineering, Alexandria University, 1987

LANGUAGES

Arabic : Native Language
English : Very Good

COMPUTER SKILLS

: Windows, MS Office, Internet

TRAINING COURSES AND CERTIFICATIONS

- : Egyptian Electricity Holding Company / Leadership Development Center Training certificate (Apr./May 2014).
- : National Institute for Occupational Safety and Health training certificate (Apr. 2014).
- : Mitsubishi (MHI) on-site training certificate – El-Atf Power Station 750MW CC (Oct. 2009).
- : Off-site maintenance training for Gas Turbine and it's auxiliaries (250MW) Mitsubishi (MHI) training certificate GT maintenance - Takasago Japan (Jun. 2008).
- : Mitsubishi Electric Company (MELCO) Training Center - Kobe Japan - electric generator maintenance certificate (Jun. 2008).
- : Windows 98 certificate (Oct. 2003).
- : Operating and controlling gas Turbine from E.E.A Training Center (Oct. 1997).
- : Operating combined cycle based on gas turbine from E.E.A. Training Center (Jun. 1997).

- : Motor Control by Contactors (Feb. 1996).
- : Participation Certificate in Maintenance and Repairing Air Conditioning Units (Apr. 1995).
- : Saudi Industrial Projects Company (PEPSI COLA – BUGSHAN JEDDAH) certificate: Installation, Commissioning and Maintenance Engineer (from Jun. 1990 till Aug. 1994).
- : Military Experience Certificate (Vehicles General Maintenance) (from Oct. 1987 till Apr. 1990).

CHRONOLOGICAL EXPERIENCE RECORD

- Dates** : From Jan. 2012 till now
- Employer** : Middle Delta Electricity Production Co.
- Project** : EL-ATF POWER STATION 750MW COMBINED CYCLE
- Job titles** : Senior Mechanical Engineer for gas turbine maintenance and Director of Occupational Health, Safety and Firefighting department
- Job Description** :
- Study, analyze and modify if required the technical specification and conditions for the tender Gas Turbine contract package EPC.
 - Technical evaluation and pr-award negotiation meeting for GT contract package (EPC).
 - Reviewing the technical documentation, drawing and P&ID.
 - Accomplish all material receiving reports, construction work, site inspection and test plan, cleaning and flushing for all lines, completion all the work related to gas turbine auxiliaries.
 - Accomplish start up commissioning activities for 250MW MHI (M701F).
 - Achievement the Long Term Service and Supply Agreement (LTSSA) for Mitsubishi gas turbine (2x250MW M701F) with best conditions and price.
 - Accomplish the annual scheduled maintenance (CI, HGP and MI) for 2 GT 250MW.
 - Performing root cause analysis with the goal to eliminate maintenance downtime.
 - Improve plant maintenance activities and operational, spare parts, manpower and inventory.
 - Executing and controlling the work permit at the power plants and instructions.
 - Release and organize reliability run and performance test.
 - Putting the 2 GT in commercial operation comply with time schedule without delay.
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- Dates** : From Oct. 2011 till Jan. 2012
- Employer** : [EGYPTROL](http://www.egyptrol.com), Seconded to SOCOIN
- Project** : Dier Ali Power Station II 750MW Combined Cycle – SYRIA
- Job title** : Gas Turbine Mechanical Expert
- Job Description** :
- Technical Advisor site installation and check lists.
 - Coordination of work with other suppliers (e.g. Process Engineer).
 - Accomplish all installation activities for 250 GT Ansaldo.
 - Accomplish all integrated ITP during installation.
 - Reviewing all documentation for installation and commissioning activities.

- Report all abnormal events to the owner and contractor construction and commissioning manager and take action.
- Participation in meeting, briefings, task force meetings, daily, weekly and monthly progress meeting, etc.
- Doing all engineering consultancy services and coordination.

Dates : From Nov. 2010 till Sep. 2011

Employer : [EGYPTROL](#), Seconded to ABB Mannheim

Projects :

- Sulaymanyah Gas P. S. II GE 9001E 125MW GE UNITS – IRAQ
- Erbil II Gas Power Station – KURDESTAN - IRAQ (Simple Cycle Power Plant)

Job title : Mechanical Construction & Commissioning Supervisor Engineer

Job Description :

- Supervising all mechanical installation activities and doing correction if need.
- Accomplish integrated ITP (Inspection and Test Plan) during installation.
- Accomplish cold and hot commissioning activities.
- Information of commissioning staff in regard of site regulations and safety aspects.
- Correct all abnormal events and report it to the installation and commissioning manager.
- Achieve the progress reports to installation and commissioning manager.
- Participation in meeting, briefings, task force meetings, daily, weekly and monthly progress meeting, etc.

Dates : From 2006 till Oct. 2010

Employer : West Delta Electric Power Co.

Project : New El-Atf Power Station Project 750MW Combined Cycle:
Consists of:

- Two Gas Turbines 250MW (Mitsubishi Co.)
- Two HRSG Heat Recovery Steam Generators (NEM Co.)
- One Steam Turbine 250MW (Ansaldo Co.)

Job title : Gas & Steam Turbine Maintenance Engineer

Job Description :

- Study, analyze and modify if required the pre-qualification the technical specification. The general & special conditions for the tender related to all contract package & purchase orders of the project such as CTG, STG, HRSG, Miscellanies pumps, Cooling water intake & Discharge & DCS system.
- Technical & financial evaluation, pre-award, negotiation for all contract package and purchase order.
- Follow up the mobilization, project time schedule prequalification for the staff all contractor receiving and review the technical documentation drawing.
- Supervision & responsible engineer of gas turbine contract & steam turbine.

Dates : From Mar. 1996 till 2006

Employer : Middle Delta Electricity Production Co.

Project : El-Mahmoudia Power Station Combined Cycle 500MW:

- 8 units gas turbine (25MW frame 5) ms 5001 Mark II speed tronic (General electric type).
- 4 units gas turbine ROLLS ROYCE – sk60 – LTD running in simple Cycle mode each rate 50MW.
- 2 Modules combined cycle each group of four GAS turbine equipped with new dual pressure forced circulation Heat Recovery Steam Generators (HRSG) & two general electric condensing steam turbine (Mark V) speed tronic. each rated 58MW.

Job title : • Gas & Steam Turbine Maintenance Engineer (2003 till 2006)
• Shift Operation Engineer (1996 till 2003)

Job Description : • As Gas & Steam Turbine Maintenance Engineer:

- Responsible for executing the maintenance schedule, predictive, preventive and Routine Maintenance for GE gas turbine units and GE steam turbine and auxiliaries.
- Replacement the all condenser tubes with new 10000 tubes.
- Maintaining generator rotor with ALSTOM Co. for 8 units GE 25MW.
- Maintaining the steam turbines Auxiliary (BOP) pumps, air Compressors, condenser, lube oil and Hydraulic power unit ...etc.
- Maintaining and repairing all mechanical equipment in the plant.

• As Shift Operation Engineer:

- Operation gas turbine (MK II) GE units.
- Operation steam turbine (MK V).
- Operation Heat Recovery Steam Generator (HRSG).
- Work as Shift Engineer (DCS).
- Carry out all the work permits.
- Diagnostic of trips & break down causes and faults.

Dates : From Oct. 1994 till Mar. 1996

Employer : Nile Co. for Food Industries (DOLCE)

Job title : Mechanical Engineer

Job Description : Making the general maintenance, overhaul, repairing, installation and commissioning of chillers, cooling units and cooling towers air compressors water treatment unit, steam boilers and production lines.

Dates : From Jun. 1990 till Aug. 1994

Employer : Saudi Industrial Projects Co. (Pepsi Cola - BUGSHAN JEDDAH)

Job title : Installation, Commissioning & Maintenance Engineer

Job Description : Responsible for:

- Installation, commissioning, general maintenance & repairing the different types of chillers, cooling towers, Ferion and Ammonia air compressor with capacity and many types of pumps.
- Steam Boilers, syrup room equipment and make the pipe work for steam line for it.
- Cooling tower and chillier water treatment to prevent scaling and corrosion, CO2 plant 250 kg/hr and high speed (1000 bpm) filling packing line.
- Water treatment unit.

Dates : From Oct. 1987 till Apr. 1990
Employer : Egyptian Army
Job title : Lieutenant Reserve Officer
Job Description :

- Supervise the general maintenance and repairing all types of military cars and vehicles.
- Supervise, purchase and store all vehicles spare parts.

Field of experience :

- Over 27 years experience at Power Plants and Industrial Projects.
- Expertise has been in management, Construction management, Inspection, Power Plants Operation, maintenance, EPC contract, testing and start-up commissioning.
- Experienced in the application of engineering consultancy services and coordination and Safety Policy applies to all employees for accident free.
- Now working as Senior Mechanical Maintenance Engineer and Director of Occupational Health, Safety and Fire Fighting department (HSE) at EL-ATF Power Plant (750MW).
- Specialist in study, analyze and modify if required the technical specification and conditions for the tender Gas Turbine contract package EPC.
- Achieving reviewing the technical documentation, drawing and P&ID.
- Accomplish material receiving reports, construction work, site inspection and test plan (ITP).
- Accomplish all start up commissioning activities for various gas turbines MHI and GE.
- Coordinating equipment installations.
- Initiating new mechanical projects and carrying them through to completion.
- Providing mechanical engineering and consultation services in diagnosis and solution of difficult operating and maintenance problems.
- Predictive, preventive and routine maintenance engineer for Gas turbines and auxiliaries.
- Working closely with Production, Planning and other departments (Purchasing, Maintenance, or outside vendors) to plan work activities.
- Writing and/or approving engineering specifications, designs, estimates, schedules, spare parts lists, quotations, requisitions, work orders, etc.
- Directing individual mechanical designers, mechanics, and maintenance supervisors.
- Training less experienced engineers, maintenance supervision, and craft personnel.
- Preparing engineering reports and project status reports.
- Maintaining effective working relationships with peers, associates, and others at all levels.
- Experienced in general maintenance HVAC, Cars and vehicles.