

Holds a B. Sc. in Mechanical Power Engineering and a Postgraduate Diploma in Thermal Power Stations. Has over 11 years hands-on experience, including 5 years working in maintenance, 2 years in construction and 4 years as Mechanical Instructor.

PERSONAL DATA

Nationality : Egyptian
Birth Date : 04/06/1983
Gender : Male
Marital Status : Married
Residence : Currently KSA

EDUCATION

: B. Sc. in Mechanical Power Engineering, Alexandria University, 2005
: Thermal Power Stations Postgraduate Diploma in Mechanical Power Engineering, Alexandria University, 2010

LANGUAGES

Arabic : Native Language
English : Very Good

COMPUTER SKILLS

: Windows, MS Office, Internet
: AutoCAD

TRAINING COURSES AND CERTIFICATIONS

: Gas Turbine Operation Training including maintenance issues at the Training Center of MISUBISHI HEAVY INDUSTRIES Ltd. TAKASAGO MACHINERY WORKS in Japan, with respect to the combined cycle 750MW project (Jun./Jul. 2008).
: Operation Training including maintenance issues of Generator and Auxiliaries at MITSUBISHI ELECTRIC CORPORATION ENERGY SYSTEMS CENTER in Japan, with respect to the combined cycle 750MW project (Jul. 2008).
: Mitsubishi Gas Turbine M701F Systems Overview, P&ID, Concepts of Equipments Maintenance and Operation, in CAIRO NORTH POWER STATION (Feb. 2009).
: Air System & Oil Free Screw Air Compressors & Regenerative Desiccant Air Dryers, by COMP AIR Co. under supervision from TOSHIBA PLANT SYSTEMS & SERVICES CORPORAION COMPANY (TPSC) (Jan. 2010).

- : CW-Hydro Horizontal Centrifugal Pumps & Vertical Sump Pumps, by FLOWTECH Co. under supervision from TPSC (Jan. 2010).
- : Fuel Oil Treatment system, by GEA Co. under supervision from TPSC (Sep. 2010).
- : Fire Protection System, by ZENER Co. under supervision from TPSC (Feb. 2010).
- : Pumps On-shore Training, by EBARA CORPORATION (Pumps Contractor for Sidi Krir Power Station 750MW Combined Cycle Project) (May 2010 & Dec. 2010), including the following:
 - HP/IP Feed Water Pumps.
 - Condensate Water Pumps.
 - Circulating Water Pumps.
 - LP Feed Water Pumps.
 - Service Water Pumps.
- : Test Performance and Commissioning for Combined Cycle, in Abu Qir Training Center by WEST DELTA ELECTRICITY PRODUCTION COMPANY (WDEP CO.) (Sep. 2007).
- : Operation of Combined Cycle Power Plant, in Abu Qir Training Center by WDEP Co. (Apr./May 2007).
- : Abnormal Operation and Troubleshooting for Combined Cycle, in Abu Qir Training Center by WDEP Co. (Aug. 2007).
- : Seminar about Basics of Lubricants and Applications, by SHELL INDUSTRIAL LUBRICANTS COMPANY (Jun. 2008).
- : Balancing and Vibration for Rotary Equipments, in Abu Qir Training Center by WDEP Co. (Jul. 2007).
- : Maintenance Management, in Engineers Society, Alexandria (May 2006).
- : Train the Trainer in Marriott Hotel by SAUDI ELECTRICITY COMPANY (SCECO CO.) (Aug. 2013).
- : Maintenance Planning & Scheduling by PROFESSIONALS FOR HUMAN RESOURCES DEVELOPMENT CO. (Nov. 2015).
- : IELTS Exam Preparation in Jeddah Training Institute by SCECO CO. (from Apr. till Jun. 2015).
- : Emergency Evacuation by SCECO CO. (May 2015).
- : First Aid by SAUDI RED CRESCENT AUTHORITY (Apr. 2017).
- : Visual Inspection Testing (VT) Level II, in Science and Technology Engineering Center (STE), Alexandria (Jul./Aug. 2012).
- : ICDL

CHRONOLOGICAL EXPERIENCE RECORD

- Dates** : From Jun. 2013 till now
- Employer** : Saudi Electricity Company
- Job title** : Mechanical Instructor
- Job Description** :
- Training the trainees in the field of power plant mechanical maintenance and ensure that trainees have got the requisite knowledge and skills to perform their jobs competently and safely.
 - Conduct training courses including installation, maintenance and repair of rotating and static equipment as required.
 - Prepare Course pacing schedule and lesson plan.
 - As a part of the course we expose the trainees to the plant and explain the plant equipment on the job.

- Ensure that the equipment in the workshops is suitable and adequate in number to complement the training and assessment.
- I assist in identifying suitable redundant equipment from Power Plants for training purposes where required.
- Purchase the required Tools & equipment for training.
- Prepare & issue purchase orders of requested items for training in accordance with selected suppliers, price and technical specifications.
- Suggesting ways of continually improving the training programs.
- Preparing daily, weekly and monthly reports as required.
- Participate in the curriculum developing including the lessons and Practical tasks.
- Test the trainees based on the training program to gauge the trainee's delivery understanding and compile report to Senior Instructor.
- In coordination with the Senior Instructor, maintain the Internal Verification and Quality Assurance systems to ensure that the quality of the programs is maintained.
- Member in the Occupational Safety and Health Management System team in Jeddah Training Institute and we have got four Stars in the final Audit.

Dates	:	From May 2009 till Jun. 2013
Employer	:	West Delta Electricity Production Company (WDEP Co.)
Project	:	Sidi Krir Combined Cycle Power Plant 750MW
Job title	:	Mechanical Maintenance Engineer
Job Description	:	<ul style="list-style-type: none"> • Preparing and apply all types of preventive and corrective maintenance for Gas Turbines and its Auxiliaries. • Mitsubishi Gas Turbine M701F (2 units x 250MW) combustor inspection under supervision of MHI Representative: <ul style="list-style-type: none"> - Responsibility: Turbine Team Leader. - Scope of work: replacing Main Fuel Nozzle & Pilot Nozzle (20 Pcs), Combustor Basket (20 Pcs), Transition Piece (20 Pcs), Transition Seal (20 Sets), Igniters & Flame Detectors, Test Fuel Nozzles and Clean Fuel Nozzles, Inspect Turbine Outlet and Inspect Compressor Inlet. • Mitsubishi Gas Turbine M701F (2 units x 250MW) turbine inspection under supervision of MHI Representative: <ul style="list-style-type: none"> - Responsibility: Turbine Team Leader. - Scope of work: replacing Main Fuel Nozzles & Pilot Nozzles, Combustor Baskets, Transition Pieces, Transition Seals, Turbine Row (1, 2, 3 and 4) Blades, Turbine Row (1 & 2) Vanes, Turbine Row (1 & 2) Ring Segments, Igniters & flame detectors, Test Fuel Nozzles, Clean Fuel Nozzles, Inspect Turbine Outlet and Inspect Compressor Inlet. • Preparing and apply mechanical maintenance works as set through the Maintenance Planning Sheet (MPS) and as other priorities (Preventive and Corrective maintenance) under supervision of TOSHIBA warranty supervisors including the following: <ul style="list-style-type: none"> - Air Compressors. - Horizontal Pumps. - Service Water Pumps. - Circulating Water Pumps.

- Feed Water Pumps.
 - Condensate Water Pumps.
 - Vertical Sump Pumps.
 - Fuel Oil Treatment Skid.
 - Emergency Diesel Generator.
 - Service Gases (H₂, N₂ and Co₂) Station Components.
 - Regenerative Desiccant Air Dryers.
 - Self Cleaning Strainers.
 - Fire Fighting System Components.
 - Trash Rakes.
 - Heat Exchangers.
 - Traveling Water Screens
 - Various types of Valves.
- Supervise equipment yearly maintenance under supervision of the vendors of all equipment as Air compressors& Air Dryers, Horizontal & Vertical pumps, Trash rakes and Self-cleaning strainers.
 - Review Equipment yearly maintenance report and submit comments if any.
 - Check the condition of the equipment regularly to make the proper maintenance planning if it is required.
 - Analyze and solve the troubleshooting.
 - Perform vibration surveys for Rotating Equipment to ensure that standards are met.
 - Perform alignment for Rotating Equipment.
 - Integrate high standards of quality and safety requirements into all aspects of work.
 - Prepare and implement the maintenance training program for new Engineers and technicians.
 - In-depth ability to provide training and explain instructions and guidelines to others effectively.
 - Provide instruction and training in the proper methods and processes necessary to carry out assignments.
 - Prepare and implement the training program for undergraduate engineers.

Dates	:	From May 2007 till May 2009
Employer	:	West Delta Electricity Production Company (WDEP Co.)
Project	:	Sidi Krir Combined Cycle Power Plant 750MW
Job title	:	Mechanical Construction Engineer
Job Description	:	<ul style="list-style-type: none"> • Review the submittal documents and drawings sent by the contractor with contract specifications. • Attending of contractual, coordination and progress meetings. • Verify the MRR (Material Receiving Reports) after checking the packing list and the mechanical equipment specification & condition to accept them. • Researching and analyzing data such as design change proposal (change notices & operation and maintenance manuals). • Handling with P&ID, Isometric drawings, Arrangement drawings, Equipment Layout drawings and Structural Support drawings. • Supervising mechanical construction work done by TOSHIBA by comparing the Contract specifications with field activities and verifying

their synchronization.

- Supervise, record and audit the installation of all piping and equipment of the systems as Main steam, Condensate, Feed water, Circulating Water, Service water, Closed cooling, Demineralized Water, Fire fighting, Service gases, Compressed air, Potable water, Travelling water screens, Gas turbine and its auxiliaries.
- Maintain quality of work in accordance with the standards specified in the design documents by PGESCO.
- Walking down the systems piping and equipment after installation to check the quality and make the Punch List to contractor, and check it after completion of work.
- Inspect all systems piping prior to on both hydrostatic and pneumatic tests.
- Witness pre-alignment and final alignment for both horizontal & vertical pumps.
- Follow up all commissioning and start up activities.
- Review and modify the recommended spare parts list prepared by the consultant related to the maintenance requirements.
- Receive and inspect the spare parts.

Dates : From May 2006 till May 2007
Employer : West Delta Electricity Production Company (WDEP Co.)
Project : Sidi Krir Steam Power Plant
Job title : Mechanical Maintenance Engineer
for Steam Turbines Siemens 2x320MW and its Auxiliaries
Job Description :

- Preparing and supervise all types of preventive and corrective maintenance for Steam Turbine and its Auxiliaries.
- Check & applying Alignment for rotating equipment.
- Maintenance of rotating equipment:
 - Pumps.
 - Compressors.
 - Air Blowers.
 - Traveling Water Screens.
- Maintenance of static equipment:
 - Heat Exchangers (plate type & shell and tube types).
 - Regenerative Desiccant Air Dryers.
 - Valves.
- Overall maintenance for multistage centrifugal air compressors.
- Overall maintenance for centrifugal pumps.

Dates : From Nov. 2005 till Apr. 2006
Employer : Egyptian Navigation Company (E.N.C.)
Job title : Mechanical Maintenance Engineer for ships
Job Description :

- Supervise the manufacture of work pieces required for ships repair in the workshop.
- Lead and supervise group of technicians to execute the required repairing for ships.

Special Studies:

I have a PATENT entitled "NEW DESIGN FOR FLOATING WEIR SKIMMER" was issued on Feb. 24, 2010 from Egyptian Patent Office, Academy of Scientific Research & Technology, Ministry of State for Scientific Research, Arab Republic of Egypt and it has been published in PATENT GAZETTE (Sep. 2009).