

100553-MEC-15CEGMOS-E-1990
General Manager of Technical Office

Holds B. Sc. in Mechanical Power Engineering, M. Sc. in Power Station Engineering and a Diploma in Power Station Engineering. Has about 31 years hands-on experience in Power Stations from installation of mechanical, electrical, I&C equipments through start-up, commissioning, turn over package, performance testing until safe operation & schedule preventive, predictive maintenance.

PERSONAL DATA

Nationality : Egyptian
Birth Date : 06/08/1967
Gender : Male
Marital Status : Married
Residence : Giza, Cairo

EDUCATION

- : B. Sc. in Mechanical Power Engineering, Cairo University, 1990
- : Diploma in Power Station Engineering, Cairo University, 2014
- : Master degree in Power Station Engineering, Helwan University, 2022
- : Studying for PhD degree in Mechanical Power Engineering, Al-Azhar University (from 2022 till now)

LANGUAGES

Arabic : Native Language
English : Very Good

COMPUTER SKILLS

- : Windows, MS Office (Word, Excel, Power Point), Internet

TRAINING COURSES AND CERTIFICATIONS

- : Steam turbine design, Speedtronic Mark V, generator excitation, Steam Turbine operation and maintenance, mechanical drive steam turbine technicians, GE Co. (from Aug. till Nov. 1996), USA.
- : The Utility Boiler Operation Training Course in B&W elpaso boiler, forced Draft / natural circulation, gas & oil fired, site training, Babcock & Wilcox Company (Aug. 1997).
- : Completed the I.D.P. on-shore Technical Training on Centrifugal Pumps and has acquired a satisfactory Knowledge about Installation, operation and maintenance of pumps, site training, Ingersol Dresser Pumps Company (from Oct. 1997 till Jan. 1998).

- : Completed Hitachi off-shore training on steam turbine (250MW): Design, Speedtronic Mark VI, generator excitation operation and maintenance, Hitachi Ltd. Company (JAPAN) (Jan./Feb. 2008).
- : Training course on planning of maintenance project (Preventive Maintenance), A.U.C. (American University Cairo).
- : Completed on-shore training (Integrated Solar Combined Cycle Power Plant (ISCC) 140MW, El-Kureimat, Egypt: from start-up to normal operation for solar system (parabolic trough type & heat transfer fluid heat exchanger), Flagsol Ltd. Company (Germany) (Jan./Feb. 2013).

CHRONOLOGICAL EXPERIENCE RECORD

- Dates** : From Dec. 2018 till now
- Employer** : UEEPC (Upper Egypt Electricity Production Company)
- Project** : Beni Suef Combined Cycle Power Station (4800MW)
- Job title** : General Manager of Technical Office
- Job Description** :
- Working as Mech. Owner Representative during O&M contract.
 - Following the closing of punch list of mechanical items.
 - Following the daily faults and protective maintenance.
 - Responsible of warranty claims Weekly Meeting between the owner and Consortium Siemens & Elsewedy.
 - Following the preventive maintenance schedule for all equipment.
 - Following the handover of spare parts of the plant to O&M.
 - Following the Warranty of all equipment's during Warranty Period.
 - Following the Handover of Special tools & Spare parts to O&M.
 - Preparing the Spare parts for two years safe operation and signed it with EEHC.
 - Preparing the plant technical reports to EHC:
 - Daily report.
 - Monthly report.
 - Plant Units outage report.
 - Energy Generated & Fuel Gas Consumption Monthly reports.
 - Weekly report to EEHC.
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- Dates** : From May 2018 till Dec. 2018
- Employer** : UEEPC (Upper Egypt Electricity Production Company)
- Project** : Beni Suef Combined Cycle Power Station (4800MW)
- Job title** : General Manager of Mechanical Maintenance
- Job Description** :
- Supervising construction and commissioning activities for combined cycle units' equipment.
 - Reviewing and approving technical documentations (Design, Testing, RFP and As-builts) and Tracking the progress and work Quality of mechanical Contractors.
 - Working as Mech. Owner Representative during T.O.C for all equipment of the plant.
 - Following the closing of punch list of mechanical items.
 - Preparing the executing preventive and corrective maintenance plans for the hand over equipment of the plant (two Siemens Gas turbine, one Siemens Steam turbine, One NEM Hrsg.) Alongside with the associated

auxiliary systems in safety and proper care of equipment.

- Responsible of warranty claims between the owner and consortium Siemens & Elsewedy.
- Resonsible for the handover of contractual spare parts of all equipments.
- Preparing long term list of spare parts.
- Lead our mechanical team (engineers & Tech.) to do preventive & Predictive maintenance in proper way.

Dates : From Aug. 2017 till May 2018
Employer : UEEPC (Upper Egypt Electricity Production Company)
Projects :

- El-Kureimat (1) Steam Power Station (2x627MW)
- El-Kureimat (2) Combined Cycle Power Station (2x750MW)
- El-Kureimat (3) Combined Cycle Power Station (2x750MW)

Job title : General Manager of Studies, Researches & Developing

Dates : From May 2017 till Aug. 2017
Employer : [EGYPTROL](#), SHANDONG ELECTRIC POWER CONSTRUCTION GROUP
Subcontractor
Project : Saudi Aramco Shaybah field Combined Cycle Power Plant Project
Job Description :

- Preparation of Operating Instructions Manuals for the Combined Cycle Project.
- Auxiliary Steam System.
- Condensate & Make-Up Water System.
- Closed Cooling Water System.
- Duct Drain Pot & Pump System.
- Steam Jet Air Ejector.
- HP & IP Boiler Feed Water System.
- Once Through Steam Generator.
- OTSG Drain Tank & Pump System.
- STG Flash Tank & Pump System.
- Fuel Gas System.
- Instrument air system.
- HVAC system.
- Steam Turbine Generator.
- Bulk Lube Oil System.
- Gland Steam System.
- Lube Oil & Jacking Oil Shaft Turning Device.
- Control Oil System.
- Normal start-up.
- Normal operation.
- Normal shut down.
- Emergency Shut down.

Dates : From Oct. 2015 till May 2017
Employer : UEEPC (Upper Egypt Electricity Production Company)
Project : Beni Suef Combined Cycle Power Station (4800MW):
4 Modules x 1200MW, each consists of:

- Two Siemens CTG 400MW type H9001

- Two HRSG (NEM)
 - One Siemens STG 400MW (HP, IP, LP) turbine
 - 500KV Switchyard
 - Medium and Low Voltage Switchgear
- Job title** : General Manager of Start-up, Commissioning & Operation
- Job Description** :
- Working as Mech. Owner Representative during the construction of the plant.
 - Design review for mechanical equipment's as per Contract, tracking the progress and work Quality of mechanical Contractors.
 - Following the mechanical construction, operational testing, commissioning and start-up of the plant (Siemens Gas turbine, Siemens Steam turbine, NEM HRSG in safety and proper care of equipment.
 - Responsible of warranty claims between the owner and consortium Siemens & Elsewedy.
- Dates** : From Feb. 2015 till Oct. 2015
- Employer** : Upper Egypt Electricity Production Company (UEEPC)
- Projects** :
- El-Kureimat (1) Steam Power Station (2x627MW)
 - El-Kureimat (2) Combined Cycle Power Station (2x750MW)
 - El-Kureimat (3) Combined Cycle Power Station (2x750MW)
- Job title** : General Manager of Studies, Researches & Developing
- Job Description** :
- A complicit and taking part in executing, researches, development of electrical, mechanical and chemical studies related to power plants.
 - Supervision and proceeding of technical studies and technical specification of new power plants in UEEPC.
 - Studying and analyzing different troubleshooting in power plants.
 - Committing and implementation of environment, instruction rules of safety and healthy occupational and confirmation of highly efficient work.
 - Intendancy and applying training plane for workers in different administration and supervision of training center and making issues and preparing many courses such as following:
 - Economical operation of steam turbine.
 - Economical operation of gas turbine.
 - Economical operation of combined cycle.
 - Principle of steam turbine different stages type.
 - Performance of steam, gas & combined cycle.
 - Types of solar energy power plants.
 - Heat exchanger selection & design.
 - Efficiency & heat rate of power plants.
 - Steam boilers operation.
 - Different types of steam generators & technical specification.
 - Effect of feed water heaters in regenerative cycle.
 - Gas compressors principles & application.
 - Different types of pumps and application.
 - Principles of heat transfer.
 - Principles of thermodynamics.
 - Principles of fluid turbo machinery.
 - Different type of basket layer for air pre-heater in boiler efficiency.

Dates : From Nov. 2014 till Feb. 2015

Employer : Hanwha Engineering & Construction
Power & Water Utility Company for Jubail & Yanbu (MARAFIQ)

Project : MARAFIQ STG Units 5 & 6 Project, Yanbu – KSA

Job Description :

- Responsible of warranty claims between the owner (Marafiq) and Hanwha Engineering & Construction Company.
- Preparing operation and maintenance manual for the following systems of plant:
 - Feed water system.
 - Condensate system.
 - Condensate polishing.
 - Secondary steam.
 - Process, services and potable (SWAS).
 - Condenser vacuum systems & vacuum pump.
 - Air compressor system.
 - Heaters drain & vents system.
 - Fuel oil storage & supply systems.
 - Closed cooling system.
 - Fuel Oil Storage & Supply System.
 - Flue Gas Desulphurization (FGD).
 - Selective Catalytic Reduction System (SCR).
 - Ash Handling System (AHS)_Rev.1.
 - Turbine Extraction Steam System.
 - Main, Cold & Hot Reheat Steam system.
 - Gas Storage and Supply System.
 - Demineralization Water Plant.
 - Chemical Dosing System.
 - Fire Fighting System.
 - Urea System.
 - Electrostatic Precipitator (ESP).

Dates : From Jul. 2013 till Nov. 2014

Employer : Upper Egypt Electricity Production Company (UEEPC)

Projects :

- El-Kureimat (1) Steam Power Station (2x627MW)
- El-Kureimat (2) Combined Cycle Power Station (2x750MW)
- El-Kureimat (3) Combined Cycle Power Station (2x750MW)

Job title : General Manager of Studies, Researches & Developing

Job Description :

- A complicit and taking part in executing, researches, development of electrical, mechanical and chemical studies related to power plants.
- Supervision and proceeding of technical studies and technical specification of new power plants in UEEPC.
- Studying and analyzing different troubleshooting in power plants.
- Committing and implementation of environment, instruction rules of safety and healthy occupational and confirmation of highly efficient work.
- Intendancy and applying training plane for workers in different administration and supervision of training center and making issues and preparing many courses such as following:
 - Economical operation of steam turbine.
 - Economical operation of gas turbine.

- Economical operation of combined cycle.
- Principle of steam turbine different stages type.
- Performance of steam, gas & combined cycle.
- Types of solar energy power plants.
- Heat exchanger selection & design.
- Efficiency & heat rate of power plants.
- Steam boilers operation.
- Different types of steam generators & technical specification.
- Effect of feed water heaters in regenerative cycle.
- Gas compressors principles & application.
- Different types of pumps and application.
- Principles of heat transfer.
- Principles of thermodynamics.
- Principles of fluid turbo machinery.
- Different type of basket layer for air pre-heater in boiler efficiency.

Dates : From Apr. 2010 till Jul. 2013
Employer : NREA (New and Renewable Energy Authority)
Project : Integrated Solar Combined Cycle Power Plant (ISCC) 140MW, EI-Kureimat
Job title : Operation Assistant Manager
Job Description :

- Following the operational testing, commissioning and start-up of the plant (GE Gas turbine, Siemens Steam turbine, NEM HRSG, Flagsol Solar Island, ABB DCS).
- Responsible of warranty claims Meeting between the owner and EPC lbedrolla party.
- Operation the unit from start-up to normal operation.
- Train operators in safety and proper care of equipment.
- Perform isolation and safety tag-out of equipment.
- Develop a strategic plan for implementation of operation activities.

Dates : From Jul. 2006 till Mar. 2010
Employer : UEEPC (Upper Egypt Electricity Production Company)
Project : EI-Kureimat 2 Power Station
Job title : Shift Charge Engineer
Job Description :

- Working as Mech. Owner Representative during the construction, commissioning and start-up for Siemens gas turbines.
- Review all Mech. drawings & technical submittals.
- Supervise the installation of Siemens gas turbines and auxiliaries.
- Following start-up commissioning, performance test and tuning of Siemens gas turbines.
- Responsible of warranty claims between the owner and Siemens party.
- Managing plant operations & operations training.
- Develop a strategic plan for implementation of operation activities.
- Provide technical direction to assigned personal.

Dates : From Jul. 2001 till Jul. 2006
Employer : Egyptian Operation & Maintenance Company (O&M)
Project : EI-Kureimat Power Station (2x627MW)
Job title : Shift Charge Engineer

Job Description :

- Monitor proceeding for system flushes, Steam Blow out, pneumatic & hydraulic tests.
- Following the operational testing, commissioning and start-up of the plant.
- Operation the unit from start-up to normal operation.
- Train operators in safety and proper care of equipment.
- Perform isolation and safety tag-out of equipment.

Dates : From May 1994 till Jul. 2001

Employer : UEEPC (Upper Egypt Electricity Production Company)

Project : El-Kureimat Power Station (2x627MW)

Job Description :

- Start-up & Commissioning Engineer:
 - Design review for Boiler, Turbine, Generator and BOP as per contract. Tracking the progress and work Quality of mechanical contractors.
 - Follow the systems flushes, steam blows, hydraulic and pneumatic tests.
- Control Room Desk Operator:
 - Monitoring Turbine Mark V control system fisher Hp/Lp bypass boiler gas & oil-fired operation.
 - Westinghouse WDPF - DCS, Large bamag water treatment, Substation 500/220/11KV, switchgear 6.3KV, MCC, UPS, DPU.

Dates : From May 1992 till May 1994

Employer : El-Nasr Forging Industry Company

Job Description : Maintenance Engineer for forging equipments, hydraulic presses, pneumatic presses, air compressors.

Dates : 1991

Project : Military Service