

Holds a B. Sc. in Mechanical Power Engineering and a Diploma in Power Station Engineering. Has about 27 years hands-on experience in Power Stations from installation of mechanical, electrical, I&C equipments through start-up, commissioning, turn over package and performance testing.

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 effect of water compression in gas turbine eff., Helwan University, started in 2015 (in progress)

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 Mechanical and 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.
 - Preparing the plant technical reports to EHC:
 - Daily report.
 - Monthly report.
 - Plant Units outage report.
 - Energy Generated & Fuel Gas Consumption Monthly reports.

- 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** :
- Working as Mech. Owner Representative during T.O.C for all equipment of the plant.
 - Following the closing of punch list of mechanical items.
 - Design review for mechanical equipment's as per Contract, Tracking the progress and work Quality of mechanical Contractors.
 - Preparing the plan for Preventive maintenance for the hand over equipment 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.
 - Responsible for the hand over 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 high 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	:	<ul style="list-style-type: none"> • 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	:	<ul style="list-style-type: none"> • 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 high 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: <ul style="list-style-type: none"> - 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, El-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).
- 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 : El-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 : El-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 : During 1991
Project : Military Service