

Holds a B. Sc. in Mechanical Power Engineering and a Diploma in Power Station. Has over 12 years hands-on experience, including 9 years working in construction, operation, commissioning and start-up at Power Plants.

PERSONAL DATA

Nationality : Egyptian
Birth Date : 16/05/1981
Gender : Male
Marital Status : Married
Residence : Damanhour

EDUCATION

- : B. Sc. in Mechanical Power Engineering, Alexandria University, 2005
- : Diploma in Power Station, Kafr El-Sheikh University (from 2015 till 2017)

LANGUAGES

Arabic : Native Language
English : Very Good

COMPUTER SKILLS

- : Windows, MS Office, Internet
- : AutoCAD (2D and 3D solid modelling)

TRAINING COURSES AND CERTIFICATIONS

- : SIEMENS GIS Training Course in Mahmoudia 220KV (Aug. 2015).
- : SIEMENS Protection Principle in Mahmoudia Power Station (Dec. 2015).
- : Course in industrial safety and ways to resist the fire, Department of Defence, Ministry of the Interior, Egypt (Feb. 2009).
- : Training on starting up for gas turbine, boiler and steam turbine, Mahmoudia Power Station (May 2009).
- : Training on shut down for gas turbine, boiler and steam turbine, Mahmoudia Power Station (Jun. 2009).
- : Training on operation from local control (MK II, MK V) and remote control (DCS), Mahmoudia Power Station (May 2008).
- : Training on the up-normal operation cases and general troubleshooting for combined cycle power plant, Mahmoudia Power Station (Jul. 2008).
- : Training on operation of the steam power plant, Abu Qir Power Station (Jul. 2002).

CHRONOLOGICAL EXPERIENCE RECORD

- Dates** : From Jun. 2015 till now
- Employer** : Middle Delta Electricity Production Company
- Project** : New Mahmoudia Power Station (Fast Track Project):
The New Mahmoudia Power Station with total power generation 336MW simple cycle power plant. Consist of 2x168MW Ansaldo AE94.2 gas turbine symphony plus control system. Is a heavy duty gas turbine designed for 50 HZ operation with single shaft, cold end drive and silo type combustors. The units can operate by the fuel gas or fuel oil.
The system is composed by:
- Synchronous generator 2 x 180MVA.
 - Step-up transformer 2 x 185 MVA, 220/15.75KV no-load tap changer.
 - Unit auxiliary transformer, 2 x 8.25MVA, 15.75/6.6KV on-load tap changer.
 - Load center 400v, motor control center (MCC) and UPS system.
 - GIS (substation) 220KV, switch gear 6.6KV.
 - 4 O.H.L 220KV connection to National Grid.
 - Diesel generator 2x4MW.
- Job title** : Shift Charge Engineer
- Job Description** :
- Reporting to the operation general manager, managed a team of 3 qualified engineers and 7 technicians.
 - Worked as Owner Operation Engineer during project installation period, responsible for:
 - Follow up the installation sequence and preparing daily reports about installation process.
 - Follow up the electromechanical installation of the units and its related auxiliaries such as (Fuel oil system – Fuel gas system – Lube & lifting oil system – Hydraulic oil system – Blow off system – Compressor washing system – Drainage system – Air intake system – Rotor displacement system (RDS) – Purging water system – Ignition gas system – Exhaust gas system – Closed cooling system – Vibration monitoring system – Firefighting system – Demi water system – Fuel oil treatment and storage system – Ventilation system – Compressed air system).
 - Follow up the testing and commissioning procedure for all systems mentioned previously.
 - Follow up the first fire for fuel gas and fuel oil of the units.
 - Follow up the performance and reliability tests of the units.
 - Worked as Generation Unit Operator (DCS), responsible for:
 - Conducting all preparation steps of units in field to realize permissive for start-up from control room such as (all safety valves are ready, coolers in service, all hydraulic and pneumatic systems are ready, firefighting system is ready, all electrical power source are ready, position of motorized valves in auto mode and ready to work locally, all manual valves before and after control and motorized valves shall be open, source of fuel gas or fuel oil must be available, etc.).
 - Responsible for the safe start-up, safe shutdown and units normal operation, remarking alarms of units from control room and solve operation problems.

- Survey in field for more check and confirmation of safe operation of equipment's.
- Issue the maintenance requests and follow up the executing work permits with the contractor maintenance team during warrantee period.

Dates	:	From Apr. 2008 till Jun. 2015
Employer	:	Middle Delta Electricity Production Company
Project	:	Old Mahmoudia Power Station: <ul style="list-style-type: none"> • Mahmoudia Power Station with total power generation 300MW, 8x25MW GE frame 5 gas turbine speed tronic Mark II control system. • 2 modules combined cycle, each 4 GT fitted to steam turbine about 50MW GE speed tronic Mark V control system. • Boilers (NEM) are heat recovery steam generator and are controlled by DCS. • 4 Transformers 220/11/11KV 75MVA. • 2 Transformers 220/11KV 75MVA. • 3 Transformers 220/66/11KV 175 MVA. • 2 O.H.L 220KV. • 8 O.H.L 66KV. • Circuit breakers: Air C.B, hydraulic oil C.B, spring C.B and use air or SF6 to damp the flame.
Job title	:	Control Room Engineer
Job Description	:	<ul style="list-style-type: none"> • Reporting to the operation general manager, managed for a team of 7 qualified engineers and 60 technicians. • Analyzing alarms & trips and take action. • Preparing daily reports about troubles & operation. • Performing start-up or unit shutdown & connect or disconnect switchyard according to general Egypt control command. • Examine troubles and calling the suitable maintenance man. • Operating Engineer monitoring save operation on units & switchyard. • Survey in field for more check and confirmation of safe operation of equipment's. • Trainer for junior engineers.
Dates	:	From Apr. 2006 till Mar. 2008
Employer	:	Wazzan Engineering & Trading Company "WETCO" (This company is specialist in field of design and installation of all types of Swimming pools, Fountains, Waterfalls, Jacuzzis, Splash pool and Water Treatment Stations)
Projects	:	<ul style="list-style-type: none"> • Main swimming pools, fountains, waterfalls, Jacuzzis and splash pool at Reef Oasis Blue Bay Resort & Spa in Sharm El-Sheikh • Main swimming pools, shallow water and aqua bark at Reef Oasis Beach Resort in Sharm El-Sheikh • Main swimming pool, fountain and Jacuzzi at Transportation Minister Village in Sharm El-Sheikh • Main swimming pool at Youth City, Abu Qir in Alexandria
Job title	:	Supervisor Engineer for electro-mechanical works

- Job Description** :
 - Supervise the installation of electro-mechanical equipment as centrifugal pumps, submersible pumps, dosing pumps, automatic chemical system, sand filters, Electrical panel and under water lights.
 - Supervise the installation of pipes network of swimming pool.
 - Inspect work in progress to ensure that workmanship conforms to specifications and the adherence to construction schedules.
 - Prepare daily reports about the installation process.
- Dates** : From Nov. 2005 till Mar. 2006
- Employer** : Nile Land Transport Company, Ministry of Transportation
- Job title** : Maintenance Engineer
- Job Description** : Responsible for maintenance of internal combustion engine.
- Field of experience** :
 - Experience of over 9 years in operation of gas turbines, steam turbines, boilers (HRSG) and combined cycle under a major project of power plant of the Egyptian government projects.
 - Also installation of gas turbines and related auxiliaries, all aspects of commissioning, start-up and operation for all mechanical equipment (static and dynamic) according to client contract specification and manufacture requirement.
 - Understanding of P&ID draws and pipe line installation, commissioning, under & above ground piping, pumps and valves.