

Holds a B. Sc. in Mechanical Power Engineering and has about 14 years experience working in power plants in the field of maintenance, operation, commissioning and start-up.

## PERSONAL DATA

Nationality : Egyptian  
Birth Date : 07/03/1978  
Gender : Male  
Marital Status : Married  
Residence : Damanhour

## EDUCATION

: B. Sc. in Mechanical Power Engineering, Alexandria University, 2001  
: Power Station Diploma, Alexandria University, 2011

## LANGUAGES

Arabic : Native Language  
English : Very Good

## COMPUTER SKILLS

: Windows, MS Office (Word, Excel), Internet  
: AutoCAD

## TRAINING COURSES AND CERTIFICATIONS

: HVAC training in Don Bosco Institute.  
: Training at Damanhour Power Station (325MW).  
: Training course at operating of power station (Cold and Hot condition).

## CHRONOLOGICAL EXPERIENCE RECORD

**Dates** : From Jun. 2015 till now  
**Employer** : GE Power and Water – EGYPTROL subcontractor  
**Project** : Assiut Power Project 8x125MW Simple Cycle  
**Job title** : Senior Commissioning, Start-up & Operation Engineer  
**Job Description** :

- Commissioning Engineer for GE Gas Turbine Frame 9E which included:
  - Lubrication oil and control oil flushing.
  - Fuel Gas pipe line air blowing.

- Fuel oil flushing.
- Water injection flushing.
- GT pre-commissioning, commissioning and start-up.
- Lead and coordinate Start-up and Operation activities.
- Ensure that all safety and precautionary requirements and procedures are followed during the commissioning process in line with the commissioning schedule.
- Reporting to the Commissioning Manager.

**Dates** : From Mar. 2015 till Jun. 2015  
**Employer** : EGYPTROL (under GE & TSK supervision)  
**Project** : Port Said Site  
**Job title** : Commissioning & Start-up Engineer  
**Job Description** :

- 2x50MW GTs GE LM-6000 commissioning & start-up.
- Lube oil system, control oil system and lifting oil system commissioning and flushing.
- Solo test and heat run test for pumps.
- Closely follow up erection plan, fixation, supports, welding, flushing procedure, hydro tests and insulation of piping.
- Pump commissioning, testing and erection.

**Dates** : From Mar. 2014 till Feb. 2015  
**Employer** : Samsung C&T  
**Project** : Qurayyah Independent Power Plant (QIPP) / CCPP (6x650MW) (4000MW) – KSA  
**Job title** : Commissioning, Maintenance & Start-up Engineer  
**Job Description** :

- 12x230MW Siemens STG PCC-5000F Gas Turbines (T3000 operating).
- 6x230MW Siemens STT 4000 Steam Turbine (T3000 operating).
- Closely follow up erection plan, fixation, supports, welding, flushing procedure, hydro tests and insulation of piping.
- Pump commissioning, testing and erection.
- Lube oil system, control oil system and lifting oil system commissioning and flushing.
- Solo test and heat run test for pumps.
- Coordinate with client for necessary inspections and walk downs.
- Material receiving inspection.
- Coordinate and reporting with head office.
- Closely follow up daily activities such as cutting, dimensional check, lifting, assembly, fixation, final dimensional check and fit up before welding.
- Painting inspection.
- Checking the completing of erection works and make component check list as per P&IDs.
- Supporting and follow all pre-commissioning activities as hydro tests and chemical cleaning procedures.
- Carry out walk down with all disciplines officially and make punch items to release commissioning to start.
- Function check for all signals and valves. Start-up / shut down sequence checking as per manufacture instructions.

- Safety valves pop up testing and test gags removing.
- Troubleshooting supporting and maintenance program making as per vendor recommendations.
- Carry out performance tests.
- Documents making and turn over all packages to owner.

**Dates** : From 2012 till 2014  
**Employer** : West Delta for Electric Production Company  
**Project** : Damanhour Power Station  
**Job title** : Turbine Maintenance Engineer (GE 5001)  
**Job Description** : Maintenance activities:

- Lube Oil system, Control oil system, Lifting oil system.
- Heat Exchangers Maintenance.
- Carrying out total train alignment.
- Replacing gas turbine fuel gas valve, replacing gas turbine torque converter, replacing gas turbines auxiliary, emergency, hydraulic pumps, inspection and replacing bearings for load and auxiliary gear boxes, and replacing ventilation fans.
- Reciprocating & screw compressor Maintenance.
- Multistage centrifugal, screw & gear pumps Maintenance.
- Troubleshooting skill including: vibration analysis (FFT spectra and orbits) and reporting root cause analysis.
- Repair & rebuild fuel storage tank.
- Vibration Measurements.
- Turbo Machinery and rotating equipment Maintenance.
- Oil and gas field.

**Dates** : From Feb. 2010 till 2012  
**Employer** : NEM Industrial & Utility Boilers  
**Project** : El-Atf Power Station  
**Job title** : Boiler Maintenance, Commissioning & Start-up Engineer  
**Job Description** : Commissioning of NEM's Heat Recovery Steam Generators attached to Exhaust of Gas Turbines activities:

- HP valves M.O.V. & Emerson Pneumatic control valves testing & maintenance.
- Dresser Safety Valves testing & maintenance.
- Closely follow up erection plan, fixation, supports, welding, flushing procedure, pump alignments, hydro tests and insulation of piping.
- Chemical Dosing System (Watcon) testing & maintenance.
- Sampling System (Watcon) testing & maintenance.
- HRSG, Boiler & Drums internal inspections.
- Vibration Measurements.
- Aligning harps panels.
- Drums internal inspections (install strainer & separator after steam blow).
- Coordinate with client for necessary inspections and walk downs.
- Material receiving inspection.
- Coordinate and reporting with head office.
- Follow up for lifting procedure for heavy weights parts such as drums, harps.

- Closely follow up daily activities such as cutting, thickness check, dimensional check, lifting, safety precaution, assembly, fixation, final dimensional check and fit up before welding.
- HRSG tuning and optimization.
- Painting inspection.
- All preparation for steam blow works: installation of temporary piping, removing all orifice and flow elements, removing internal parts for some valves according steam blow procedure.

**Dates** : From 2005 till Jan. 2010  
**Employer** : West Delta for Electric Production Company  
**Project** : Damanhour Power Station  
**Job title** : Shift Charge Engineer  
**Job Description** :

- Conducting all preparation steps of units in field to realize permissive for start-up from control room such as filling line of water free of air bubbles, all safety valves ready, coolers in service, all skids of hydraulic and pneumatic ready, fire fighting ready, all electrical power sources ready, position of motorized valves at auto mode and ready to work locally, all manual valves before and after control and motorized valves shall be open, etc.
- Responsible of start-up, operation, remarking alarms of units from control room and solve operation problems.
- Survey in field for more check and confirmation of safe operation of equipments.

**Dates** : From 2003 till 2005  
**Employer** : Covered Draining-Irrigation Ministry  
**Job title** : Maintenance Engineer  
**Job Description** :

- Heavy Machine and rotating equipment maintenance.
- Engine overhaul.
- Hydraulic system maintenance.

**Dates** : From 2002 till 2003  
**Employer** : Chemonics Egypt  
**Job title** : Construction Engineer