

Holds B. Sc. and M. Sc. in Mechanical Power Engineering. Has about 16 years hands-on experience working in operation, commissioning and maintenance.

## PERSONAL DATA

Nationality : Egyptian  
Birth Date : 07/03/1983  
Gender : Male  
Marital Status : Married

## EDUCATION

: B. Sc. in Mechanical Power Engineering, Alexandria University, 2005  
: M. Sc. in Thermal Engineering, Alexandria University, 2012

## LANGUAGES

Arabic : Native Language  
English : Very Good

## COMPUTER SKILLS

: Windows, MS Office (Word, Excel, Access, Power Point), Internet  
: AutoCAD 2D/3D  
: Visual Basic  
: VB.NET  
: EES (Engineering Equation Solver)

## TRAINING COURSES AND CERTIFICATIONS

: Steam turbine maintenance training by ALSTOM Co. in Mannheim – Germany:

- Steam turbine description and explaining.
- Steam turbine disassembly.
- Steam turbine internal inspection.
- Steam turbine replacement of damage parts.
- Steam turbine re-assembly.

: HRSG operation and Alspa p320 Distributed Control Systems operator on-shore training by ALSTOM Co. in Nubaria.

: Power plant description and operation of combined cycle in Alexandria (Abu Qir Training Center).

## CHRONOLOGICAL EXPERIENCE RECORD

**Dates** : From Sep. 2021 till Dec. 2021  
**Employer** : Ansaldo Energia  
**Project** : Serbia - Pancevo  
**Job title** : GT Commissioning TFA  
**Job Description** : Gas turbine, hot commissioning.

**Dates** : From Feb. 2021 till Jun. 2021  
**Employer** : Ansaldo Energia  
**Project** : New Damietta  
**Job title** : ST Commissioning TFA  
**Job Description** :

- Steam turbine, hot commissioning.
- Optimizing lube oil and lifting oil system.
- Commission of gland steam system.
- Turbine start-up tests (over speed, valve stroke, etc.).
- Reliability run.

**Dates** : From Jan. 2021 till Apr. 2021  
**Employer** : Ansaldo Energia  
**Project** : Congo, Pointe Noire  
**Job title** : GT Commissioning TFA  
**Job Description** :

- Gas turbine , hot commissioning.
- Commissioning of GT diverter damper.
- Commissioning of compressor cleaning wash sys.
- Optimization of GT RDS system.
- GT Black start test.
- GT Reliability run.
- Tuning of GT fuel gas.

**Dates** : From Oct. 2019 till Feb. 2020  
**Employer** : Ansaldo Energia  
**Project** : 6 October, Egypt  
**Job title** : GT Commissioning TFA  
**Job Description** :

- Gas turbine, fuel oil commissioning.
- Cold commissioning of fuel oil system (flushing, update and implement the required software, leak test, CC inspection, fuel oil valves calibration, ...).
- Lead and Coordinate Start-up, tests and Operation activities during hot commissioning.

**Dates** : From Aug. 2018 till Apr. 2019  
**Employer** : Ansaldo Energia  
**Project** : Zhongshan, China  
**Job title** : GT Commissioning TFA  
**Job Description** :

- Commissioning of GT (94.2).

- Cold commissioning of gas turbines systems individually (Air intake system, Fuel gas system, lube oil and lifting oil system, (RDS) system, hydraulic oil system, IGV adjustment, compressor air blow off system, turbine cooling air system, Ventilation system, exhaust system, combustion chamber, TSI instrumentation).
- Lead and coordinate Start-up and Operation activities during hot commissioning.
- Ensure that all safety and precautionary requirements and procedures are followed during the commissioning process in line with the commissioning schedule.

**Dates** : From Jan. 2018 till Aug. 2018

**Employer** : [EGYPTROL](#), GE Energy Subcontractor

**Project** : West Damietta Power Plant

**Job title** : WSC Commissioning Engineer

**Job Description** :

- Main responsibility: WSC Lead, commissioning of HRSG (Doosan) and GE steam turbine (D202).
- HRSG:
  - Cold commissioning of HRSG (walk down of the systems, hot loop check, calibration of valves, commissioning of diverter damper).
  - Protection test on HRSG.
  - Initial filling and hot passivation.
  - Steam below on main steam lines.
  - Report to commissioning manager & prepare all relative commissioning documents.
- Steam Turbine:
  - Pre-commissioning of steam turbine (flushing of hydraulic oil, flushing of lube oil, adjustment of lifting oil system), commissioning of generator seal oil system.
  - Lead and coordinate the start-up, tests and operation of the steam turbine during the hot commissioning.

**Dates** : From Aug. 2016 till Jan. 2018

**Employer** : Samsung C&T

**Project** : QATAR – UMM AL HOUL IWPP 2500MW

**Job title** : Senior Mechanical Commissioning Engineer

**Job Description** :

Commissioning of 6 gas turbines / 4 steam turbines:  
 Commissioning for SIEMENS Gas Turbine Frame SGT5-4000F and steam turbine frame 4000F which included:

- For gas turbine 4000F (V94.3 A):
  - Pre-commissioning of Lubrication oil and control oil Flushing.
  - Cold commissioning of gas turbines systems individually (Air intake system, evaporative cooler system, Wet-compression system, Fuel gas system, lube oil and lifting oil system, hydraulic optimization system (HCO), hydraulic oil system, IGV adjustment, compressor air blow off system, turbine cooling air system).
  - Lead and coordinate Start-up and Operation activities during hot commissioning.
  - 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.
- Performing all required maintenance.
- Training and guide the owner engineers (operation and maintenance).
- For steam turbine (4000 F):
  - Cold commissioning (lube and control oil flushing, lube oil system (adjusting throttle valves, change over test, function test), gland sealing system, vacuum pumps).
  - Performing steam blow.
  - Commissioning of main steam valves.
  - Reporting to the Commissioning manager.
  - Performing all required maintenance.
  - Lead and coordinate Start-up and Operation activities during hot commissioning.
  - Ensure that all safety and precautionary requirements and procedures are followed during the commissioning process in line with the commissioning schedule.

**Dates** : From Jul. 2015 till Jun. 2016  
**Employer** : [EGYPTROL](#), GE Energy Subcontractor  
**Project** : Assiut Power Project 8x125MW Simple Cycle  
**Job title** : Senior Mechanical Commissioning & Operation Engineer  
**Job Description** : Commissioning and Operation of gas turbine GE frame 9E.
 

- GT cold commissioning.
- 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.
- Operation and monitor gas turbine.
- Training and guide the owner operators.
- Performing all required maintenance.

**Dates** : From Apr. 2015 till Jun. 2015  
**Employer** : [EGYPTROL](#), GE Energy Subcontractor  
**Project** : Hurghada Power Station  
**Job title** : Senior Mechanical Commissioning Engineer  
**Job Description** : Oil flushing on six GE gas turbine frame LM 6000 (6x50MW).

**Dates** : Mar. 2015  
**Employer** : [EGYPTROL](#)  
**Project** : ABU SULTAN POWER STATION (4x150MW Thermal Power Plant)  
**Job title** : Senior Mechanical Commissioning Engineer  
**Job Description** : Commissioning of Boiler Feed Water Pumps.

**Dates** : From Jun. 2013 till Nov. 2014  
**Employer** : [EGYPTROL](http://www.egyptrol.com), SAMSUNG C&T Subcontractor  
**Project** : QURAYYAH (about 100 km from DAMMAM) – KSA  
QURAYYAH INDEPENDENT POWER PLANT (QIIP) is a combined plant consists of 6 modules to produce 4000MW. Each module consists of two gas turbines, two HRSG and one steam turbine.  
**Job title** : Senior Mechanical Commissioning Engineer  
**Job Description** :

- Commissioning of Water treatment Reverse osmosis plant with capacity (3 x 95 cubic meter/hr demin water and 3 x 241 cubic meter /hr service water).
- Commissioning of Chlorination plant (4 electro cells to produce 90 cubic meter/hr of sodium hypochlorite Na O CL with concentration 2000 PPM).
- Commissioning of Waste Water Treatment.
- Preparing commission procedures and all Documents required for tests and turnover to the Owner.

**Dates** : From May 2009 till Jun. 2013  
**Employer** : Middle Delta Electricity Production Company (MDEPC)  
**Project** : Nubaria Combined Cycle (2x750MW) Power Station  
**Job title** : Mechanical Maintenance Engineer  
**Job Description** : Gas Turbine Siemens (SGT5-4000F) Maintenance Engineer:

- Combustion chamber inspection.
- Hot gas path inspection.
- Major inspection.
- PT for blades.
- Bearing inspection.
- Turbine assembly and disassembly.
- Bearing inspection.
- Maintenance of pumps, fans, compressor.

**Dates** : From Apr. 2008 till May 2009  
**Employer** : Middle Delta Electricity Production Company (MDEPC)  
**Project** : Nubaria Combined Cycle Power Station module 2  
**Job title** : Mechanical Commissioning Engineer  
**Job Description** : Commissioning of GE Gas turbine Frame 9FA Combined Cycle Power Plant (II) 1500MW:

- Walk down on the systems.
- Pre-commissioning of lube oil system and hydraulic oil.
- Flushing of the fuel and liquid fuel systems.
- Function test of all equipment.
- Start-up of turbine.
- Performance test.
- Post-commissioning tasks.
- Commissioning of the generator (hydrogen cooling type).

**Dates** : From May 2006 till Apr. 2008  
**Employer** : Middle Delta Electricity Production Company (MDEPC)  
**Project** : Nubaria Combined Cycle Power Station

- Job title** : Mechanical Commissioning & Operation Engineer
- Job Description** :
- Commissioning & operation of steam turbine.
  - Commissioning of 2 steam turbines:
    - Pre-commissioning of lube oil and hydraulic oil systems (Flushing).
    - Commissioning of lube oil system.
    - Commissioning of main steam valves.
    - Adjustment of lifting oil displacement.
    - Commissioning Generator hydrogen sealing.
    - Hot commissioning of turbine.
    - Performance test.