

Holds a B. Sc. in Mechanical Engineering (Mechatronics Section) and a Master degree in Power Plant. Has over 21 years hands-on experience, including 18 years working in construction, maintenance, operation, commissioning and start-up at Power Plants (gas turbine - combined cycle - steam turbine).

## PERSONAL DATA

Nationality : Egyptian  
Birth Date : 07/06/1980  
Gender : Male  
Marital Status : Married  
Residence : Mansoura

## EDUCATION

- : B. Sc. in Mechanical Engineering (Mechatronics Section), Assiut University, 2002
- : Master degree in Power Plant, Mansoura University, 2010

## LANGUAGES

Arabic : Native Language  
English : Excellent  
French : Good

## COMPUTER SKILLS

- : Windows, MS Office, Internet
- : AutoCAD 2D & 3D
- : Primavera
- : Peach tree

## TRAINING COURSES AND CERTIFICATIONS

- : CMI Energy + Skoda Praha HRSG training.
- : Steam blow-off Procedure with CMI Energy + Skoda Praha HRSG.
- : Operation training for Gas Turbine in MDEPC.
- : Operation training for Steam Turbine in MDEPC.
- : Operation of combined cycle gas turbine in MDEPC.
- : Electrical Power Station, MDEPC.
- : Maintenance for governor, steam valves (Shut-off & control) in MDEPC.
- : Maintenance for condensate pumps in MDEPC.

- : Hydraulic pumps maintenance, KOMATSU.
- : Fluid connectors in Parker.
- : Hydraulic pumps maintenance in KOMATSU.
- : Hydraulic circuits in KOMATSU.
- : Hydraulic, Pneumatic Circuits and Servo Mechanisms, Parker, in Technical Center of Egypt.
- : FMS (Flexible Manufacture Systems) in Helwan Military Factory.
- : CIM (Computerized Integral Manufacture) in Helwan Military Factory.
- : Statistical methods (ISO 9001:2008) in Helwan Military Factory.
- : Internal audit (ISO 9001:2008) in Helwan Military Factory.
- : Manufacturing engineering (ISO 9001:2008) in Helwan Military Factory.
- : Production engineering (ISO 9001:2008) in Helwan Military Factory.
- : Quality assurance (ISO 9001:2008) in Helwan Military Factory.
- : ICDL
- : PLC (Programmable Logic Controller), Assiut University.
- : AutoCAD (advanced 2D & 3D).
- : Field trainings at Talkha Power Plant:
  - Gas turbine operation course SIEMENS V94.3A.
  - CMI Energy + Skoda Praha HRSG on-job training.
  - Participate in steam blow off CMI Energy + Skoda Praha HRSG.

## CHRONOLOGICAL EXPERIENCE RECORD

- Dates** : From Jan. 2022 till Oct. 2023
- Employer** : DEWA
- Project** : Al-Aweer 815MW Power Plant in Dubai, UAE
- Job title** : Shift Charge Engineer
- Job Description** : Responsible for:
- 3 Siemens Gas Turbines SGT5-4000F including all accessories.
  - Complete gas area consists of: 6 MAN Fuel Gas compressor – 2 Buffering gas compressor - Buffering tanks - Flare system - Gas filters - Knock out drum - Water Bath heater & chromatograph system.
  - Nitrogen generation unit.
  - DFO loading & unloading unit.

- Dates** : From Jan. 2020 till Jan. 2022
- Employer** : Middle Delta Electricity Production Company
- Project** : NEW TALKHA Power Plant 750MW in Egypt
- Job title** : First Shift Charge Engineer
- Job Description** : Responsible for:
- Operation and start-up all the unit which consists of:
    - 2x250MW SIEMENS Gas turbine frame V94.3A gas turbine.
    - 2 x CMI Energy and Skoda Praha HRSG with auxiliaries.
    - 1 x ALSTOM Steam turbine (250MW) frame DKYZZ3-2N41C with auxiliaries.
  - Performing the unit start-ups and shutdowns per assigned Targets.
  - Trouble shooting, effective response to emergency conditions and

- compliance to safety procedures.
- Diagnose and resolve day-to-day operational problems.
- Raising defects for equipment & doing isolation and de-isolation procedures according to the work permit.
- Perform high/medium voltage switching operations.

**Dates** : From Jan. 2019 till Dec. 2019  
**Employer** : GE Power  
**Project** : WAAD AL-SHAMAL POWER STATION COMBINED CYCLE – KSA:  

- 4 GE gas turbine frames 7FA.05, DLN 2.6 (240MW) Mark 6VE.
- 4 ALSTOM 254 t/hr Vertical HRSG.
- GE Steam Turbine (390MW) H<sub>2</sub> Cooled generator.
- Solar power plant (50MW).
- 5 GE Fuel Gas Compressor Model SRL 454.
- ASL & DFO Unloading unit.
- H<sub>2</sub> generation unit.
- N<sub>2</sub> generation unit.

**Job title** : Commissioning, Start-up & Shift Charge Operation Engineer  
**Job Description** : 

- Commissioning & Start-up activities & operation in manual mode & automatic mode.
- Also, participate in Walk down, Punch list and all commissioning activities.

**Dates** : From Jan. 2018 till Dec. 2018  
**Employer** : [EGYPTROL](#), GE Energy Subcontractor  
**Project** : WEST DAMIETTA POWER STATION COMBINED CYCLE:  

- 4x125MW GE gas turbines frame 9E, Mark 6ve.
- 4 DOOSAN Horizontal boilers 190 ton/hour.
- GE Steam Turbine 250 MW frame D202 with H<sub>2</sub> Cooled generator.

**Job title** : Commissioning, Start-up & Shift Charge Operation Engineer  
**Job Description** : 

- Achieved Hot Passivation, steam blow, ACC hot cleaning (open loop & closed loop), chemical cleaning, hydrostatic test, by-pass Operation and start-up of DOOSAN HRSG.
- Achieved protection tests for GE Gas Turbines, DOOSAN HRSG and GE Steam Turbines.
- First start of turbine and make all start up testes (first rolling, over speed test, dummy synch, manual synch, auto synch, and load rejection .... etc.).
- Purge, filling & calibrate H<sub>2</sub> circuit.
- Working as assistant for commissioning manager and lead operation.
- Working as Control Room Operator (C.R.O).
- Ensure that all safety & precautionary requirements & procedures are followed during commissioning process in line with commissioning schedule.
- Training and guide the owner operators.

**Dates** : From Jan. 2017 till Jan. 2018  
**Employer** : [EGYPTROL](#), GE Energy Subcontractor  
**Project** : New Assiut Power Station 8x125MW

**Job title** : Commissioning, Start-up & Operation Engineer for GE Gas Turbines (8x125MW) Frame 9E Mark 6+ve

**Job Description** :

- Commissioning & first start for all pumps, instrument and service compressors.
- Flushing for (LF, lube oil, water injection, CCW, firefighting, ...etc.).
- Fuel Gas pipe line air blowing.
- Chemical cleaning.
- Ensure that all safety and precautionary requirements & procedures are followed during the commissioning process in line with the commissioning schedule.
- Participate in GT Cold commissioning & Hot commissioning.
- Performing all required maintenance.
- Participate in commissioning and start-up for GE Gas Turbines (8x125MW) Frame 9E Mark 6+ve.
- Supervision of all equipment are running.
- Training and guide the owner operator.

**Dates** : From Jan. 2010 till Dec. 2016

**Employer** : Middle Delta Electricity Production Company

**Project** : New Talkha 750MW Combined Cycle Power Plant

**Job title** : Commissioning & Operation Shift Charge Engineer

**Job Description** :

- Operation of 2x250MW SIEMENS V94.3A gas turbine.
- Participate in construction, commissioning, steam blow, by-pass Operation and start-up of ALSTOM Steam turbine (250MW).
- Steam Turbine Operator for ALSTOM Steam turbine (250MW).
- Participate in pre-commissioning, commissioning and start-up CMI Energy and Skoda Praha HRSG.
- Operation and start-up of CMI Energy and Skoda Praha HRSG.
- Performing the unit startups and shutdowns per assigned Targets.
- Trouble shooting, effective response to emergency conditions and compliance to safety procedures.
- Diagnose and resolve day-to-day operational problems.
- Raising defects for equipment & doing isolation and de-isolation procedures according to the work permit.
- Perform high/medium voltage switching operations.
- First Shift Engineer for TALKHA Combined Cycle Station of (750MW).

**Dates** : From Jan. 2007 till Jan. 2010

**Employer** : Middle Delta Electricity Production Company

**Project** : New Talkha 750MW Combined Cycle Power Plant

**Job title** : Commissioning & Operation Engineer

**Job Description** :

- Participate in construction, commissioning and start-up of SIEMENS V94.3A gas turbine 2x250MW.
- Operation of 2x250MW SIEMENS V94.3A gas turbine.
- Monitoring the operation of a power generating unit to ensure reliable and efficient power generation.
- Performing the unit start-ups and shutdowns per assigned Targets.
- Trouble shooting, effective response to emergency conditions and compliance to safety procedures.
- Diagnose and resolve day-to-day operational problems.

- Raising defects for equipment & doing isolation and de-isolation procedures according to the work permit.
- Perform high/medium voltage switching operations.
- Handling plant firefighting.

**Dates** : From Jan. 2006 till Jan. 2007  
**Employer** : Middle Delta Electricity Production Company  
**Project** : TALKHA 2x210MW Steam Boiler Power Station  
**Job title** : Operation Engineer for SCODA Steam Boiler 2x210MW  
**Job Description** :

- Responsible for Start-up & Operation steam boiler, steam turbine & its auxiliaries.
- Monitoring the operation of a power generating unit to ensure reliable and efficient power generation.
- Performing the unit start-ups and shutdowns per assigned Targets.
- Trouble shooting, effective response to emergency conditions and compliance to safety procedures.
- Diagnose and resolve day-to-day operational problems.
- Raising defects for equipment & doing isolation and de-isolation procedures according to the work permit.

**Dates** : From Dec. 2003 till Jan. 2006  
**Employer** : GMC for Electromechanical Contractors  
**Projects** :

- HYUNDAI VERNA Welding Line: Cooling Tower – Control Panel Lines – Compressed air lines – Ventilation – Firefighting – Plumping – Drainage Systems
- HYUNDAI Sonata Welding Line: Cooling Tower – Control Panel Lines – Compressed air lines – Ventilation – Firefighting – Plumping – Drainage Systems
- Prima - Ghabbour Office Building: HVAC – Firefighting – Plumping – Drainage Systems
- Main Storage Facility - Ghabbour: Ventilation – Firefighting – Plumping – Drainage Systems
- Automated slaughterhouse: Fire Fighting – Plumping – Drainage Systems – Ventilation

**Job title** : Mechatronics Construction Engineer  
**Job Description** : Site Engineer for Fire Fighting – Plumping – Drainage Systems – Ventilation – HVAC, also Shop drawing – as built drawing – Quantities – Submittal lists.

**Dates** : From Oct. 2002 till Dec. 2003  
**Employer** : Egyptian Army  
**Project** : Helwan Military Factory for Equipment and Machines (999)  
**Job title** : Soldier  
**Job Description** :

- Inspection and Quality Control Engineer.
- Comparing the product with the standard specifications and the production of daily, monthly, quarterly and annual production plans.
- Performance, production, maintenance, training courses, procurement control, and customer satisfaction measurement in accordance with the requirements of ISO 9001 for 2008 on various production lines, including:

- Muffler production plant.
- Radiator production plant.
- Foam production plant.
- Fiber production plant.

- Field of experience :**
- 18 years of experience in Power Plants.
  - Worked in Gas turbine - Combined Cycle - HRSG - Steam Turbine - Gas compressor.
  - Worked as Commissioning, Start-up, Operation, Inspection & Maintenance Engineer for Power Plants, Gas compressor & auxiliaries.
  - Worked with Mark 6+ve, Teleperm XP, Ovation, T3000 & T4000.
  - GE gas turbine frame 7FA.05, DLN 2.6 (240MW).
  - GE gas turbine frame 9E (125MW).
  - Siemens gas turbine SGT5-4000F.
  - Siemens gas turbine frame V94.3A (250MW).
  - SCODA boiler 670 t/hr, 170 bar, 535°C.
  - ALSTOM 254 t/hr Horizontal HRSG.
  - DOOSAN 190 t/hr Horizontal HRSG.
  - GE Steam Turbine (390MW) H<sub>2</sub> Cooled generator.
  - GE steam turbine (250MW) Model D202 H<sub>2</sub> Cooled generator.
  - ALSTOM steam turbine (250MW) frame DKYZZ3-2N41C.
  - GE Fuel Gas Compressor Model SRL 454.
  - MAN Fuel gas compressor and all its BOP & Auxiliaries systems.