

Holds a B. Sc. in Mechanical Power Engineering and has over 16 years' experience working in commissioning and maintenance at Power Plants.

## PERSONAL DATA

Nationality : Egyptian  
Birth Date : 25/06/1984  
Gender : Male  
Marital Status : Married  
Residence : Currently KSA

## EDUCATION

: B. Sc. in Mechanical Power Engineering, Mansoura University, 2006

## LANGUAGES

Arabic : Native Language  
English : Very Good

## COMPUTER SKILLS

: Windows, MS Office, Internet

## TRAINING COURSES AND CERTIFICATIONS

: Trainings at:

- Egyptian Company for Natural Gas (GASCO).
- Middle Delta Electricity Production Company (MDEPC).
- Economic commission for drinking water and sanitation.
- Ghneim center to the kidneys and urinary tract.
- In addition to the period in which cars the "Armed Forces" where I worked in repair and maintenance of heavy equipments.

: AutoCAD at Scientific Computing Center, Mansoura University.  
: Office Programs.  
: English Courses (The Center for Language Research, University of Mansoura).

## CHRONOLOGICAL EXPERIENCE RECORD

Dates : From May 2023 till now  
Employer : SIEMENS Energy

**Project** : Aramco Power Plant 5x750MW, KSA:

- SAP SOFTWARE PROGRAM.
- SIEMENS STEAM TURBINES SST6- 5000.
- SGT6-5000F (4) (5) (5EE).

**Job title** : Steam & Gas Turbines Commissioning Engineer TCS

**Dates** : From Jan. 2022 till May 2023

**Employer** : SIEMENS Energy

**Project** : Aramco Power Plant 5x750MW, KSA:

- SAP SOFTWARE PROGRAM.
- SIEMENS STEAM TURBINES SST6- 5000.
- SGT6-5000F (4) (5) (5EE).

**Job title** : Steam & Gas Turbines TFA

**Dates** : From Aug. 2021 till Jan. 2022

**Employer** : SIEMENS Energy

**Project** : Maisan Power Plant 750MW – IRAQ:

- SIEMENS GAS TURBINES 4000 F 2x250MW.
- SIEMENS STEAM TURBINES SST5-4000 I-L.
- SAP SOFTWARE PROGRAM.

**Job title** : Turbine Commissioning Engineer

**Job Description** :

- Confirm that the equipment is installed according to the rection drawings.
- Confirm that the equipment is connected correctly according to P&ID drawings.
- Confirm that the systems are clean by blowing and flushing systems.
- Confirm the chemical cleaning and steam blowing is achieved according to SIEMENS requirements.
- Responsible of line up the system and confirm that the system is ready for running.
- Complete walkdown to sign ECC protocols to get release to start the commissioning processes.
- Confirm that the alignment is finished and recorded.
- Motors solo run tests.
- Motors load tests.
- Prepare the turbine and auxiliaries for turning gear.
- Start the turbine with first rolling.
- Continue running with FSNL until reach full load.

**Dates** : From May 2021 till Aug. 2021

**Employer** : SIEMENS Energy

**Project** : Maisan Power Plant 750MW – IRAQ:

- SIEMENS GAS TURBINES 4000 F 2x250MW.
- SIEMENS STEAM TURBINES SST5-4000 I-L.
- SAP SOFTWARE PROGRAM.

**Job title** : Centerline Gas Turbine Engineer TFA

**Job Description** :

- Responsible of the installation of the gas turbine and the generator according to SIEMENS requirements.
- Review all the surveyor points and axis to confirm the correct installation

of the equipment.

- Installing the auxiliaries according to SIEMENS drawings.
- Confirm the correct installation of the piping inlet and outlet connections with the equipment.
- Confirm that all the piping is connected with the equipment with free stresses and free pipe strain.
- Alignment the gas turbine with the generator.
- Gas turbine run out measurements.
- Installing the gas turbine according to the FQP and finalize the test records for the units.
- Performing all kinds of leak tests (air leak test - hydrotest).
- Confirm that the equipment is installed correctly according to the erection drawings.
- Confirm that the piping is clean by air blowing the system.

**Dates** : From Jan. 2015 till May 2021

**Project** : EI-Burullus Combined Cycle Power Plant 4x750MW – EGYPT:

- SIEMENS GAS TURBINES SGT5- 8000 H.
- SIEMENS STEAM TURBINE SST-5000.

**Job title** : Mechanical Maintenance Manager

**Job Description** :

- Performing the dismantling and the installation of the turbine gland steam under the required gap measurements and bolt required torque.
- Machining the gland steam keys under seals gap measurements with the rotor and fixation against vibrations.
- Performing all types of maintenance preventive, corrective, periodic and outages inspections.
- Watching the auxiliaries for the steam turbines (Lube oil system - Control oil system - Pneumatic air control system - gland steam system - Demi water system - raw water system - service pumps - service air compressors - instrument air compressors - seal oil system - H2 cooled system - firefighting systems).
- Confirming that the steam turbine and the auxiliaries are running smooth without noise and high vibrations under the required measurements.
- Responsible of the installation of the HP/IP steam turbine with the bearing pedestals.
- Responsible of removing and the installation of the HP/IP compensator for major outages under the required lifting plan and bolts torque.
- Responsible of dismantling and the installation of the cross over pipe for major outages.
- Responsible of opening LP outer casing upper and lower parts.
- Responsible of opening LP inner casing upper and lower parts for LP rotor inspections.
- Dismantling LP diaphragm for cleaning and inspections.
- Responsible of LP rotor and stator diaphragm measurements.
- Dismantling LP compensator and reducer for major overhaul outages.
- Responsible of HP/IP alignment with LP turbine.
- Responsible of LP and generator alignment.
- Responsible of daily reports and outage reports.
- Responsible of spare parts balances in the store to be ready the required quantities for outages and daily routine maintenance.
- Responsible of watching the machine running smooth without noise and

under the required measurements.

- Performing the maintenance and the repair of HP/IP control and stop valves.
- HP and LP drums inspections and repair.
- Responsible of fixing the steam turbine faults and auxiliaries.
- Machining all types of keys according to the required gap measurements.
- Performing all types of maintenance for the feed water pumps and pre-heater pumps.
- Maintenance all the HRSG valves according to the vendor drawings.
- Complete knowledge of all types of NDT and Magnetic tests.
- Deep knowledge with maintenance program SAP and PCM software.

**Dates** : From Feb. 2007 till Jan. 2015

**Project** : Talkha Combined Cycle Power Plant 750MW – EGYPT  
(SIEMENS GAS TURBINES SGT5-4000F V94.3A2 2x250MW)

**Job title** : Mechanical Maintenance Manager

**Job Description** :

- Performing all types of maintenance preventive, corrective, periodic and outages inspections.
- Watching the auxiliaries for the gas turbines (Air intake system - Lube oil system - Control oil system - Pneumatic air control system - NOx System -Purge System - Fuel gas system - Fuel oil system - diverter damper hydraulic oil system - Demi water system - raw water system - service pumps - service air compressors - instrument air compressors - seal oil system - H2 cooled system - firefighting systems).
- Confirming that the gas turbine and the auxiliaries are running smooth without noise under the required measurements.
- Confirming that the gas turbine generator is running under the required measurements without noise or leakages.
- Responsible of gas turbine minor inspections for the annular combustion chamber, dismantling the damaged tiles and replace it under siemens requirements and gap measurements.
- Responsible of the gas turbine hot gas path inspection for the combustion chamber and fuel systems gas and oil, turbine inspection.
- Responsible of major overhaul for destalking the rotor compressor discs and install it.
- Responsible of gas turbine generator alignment.
- Responsible of generator and excitation alignment.
- Fixing lube oil leakage and all systems.
- Responsible of siemens generator outages for removing the rotor and install it again after inspections for the rotor and the stator in addition opening the journal bearing and close it after inspections and gap measurements.
- Responsible of turbine rotor blades dismantling and installation after refurbishment.
- Responsible of removing the compressor blades for coating and install it again.
- Watching the spare parts balances in the store and providing the required quantities for the inspections and major overhaul.
- Responsible of measuring the equipment vibration and bearing temperature during running for the gas turbines, generator, pumps and

compressors.

- Responsible of the daily reports and outages reports.
- Responsible of watching the faults of the gas turbine and auxiliaries.
- Work permits to isolate the system and finish the work and normalizing the systems also.
- Deep knowledge of AutoCAD. Office programmers and SAP software program.

- Field of experience :**
- SIEMENS Experience gas turbines & auxiliaries & firefighting systems:
    - SGT5-4000F (9.1) H.
    - SGT5-8000H.
    - SGT6-5000F (4) (5) (5EE).
  - SIEMENS Experience steam turbines & auxiliaries & firefighting systems:
    - STEAM turbines SST5-4000.
    - SST6-5000.
    - SST5-5000 HI-L.
  - SIEMENS Experience generators:
    - Electric Generator – H2 Cooled – Sgen5-2000H 110/55.
    - Electric Generator – H2 Cooled – Sgen6-2000H.
    - Electric Generator – TLRI 115/52-30.
  - SIEMENS Experience condenser:
    - S condenser 4000.
  - GE Experience:
    - GAS turbines Frame 9F-3 & -4.
    - STEAM turbines C7 & Electric Generator – H2 Cooled.
  - HRSG Experience:
    - NEM, CMI – Vertical.
  - Skills:
    - Experienced Maintenance Engineer of Gas and Steam Turbines.
    - Experienced TFA/TCS for Service, Commissioning and New Installation of Gas and Steam Turbines.
    - Maintain the highest levels of professionalism and premier service attitude.
    - The link between customers and the rest of the company including but not limited to management, sales and technical support.
    - Experienced with supervision and providing direction to a team to perform complete overhaul, installation of gas and steam turbines as per service requirements.
    - Practical industry experience.
    - A high technical aptitude.
    - Quality monitoring skills to make improvements and corrections where necessary.
    - Coordination and teamwork skills.
    - Advanced proficiency in precision measurement techniques.
    - Excellent and professional communication skills both written and oral. This includes the ability to hold difficult discussions with customers to protect company interests.
    - Fluent use of standard office software and use of standard portal-

- based systems to report time, expenses, and service reports.
- Knowledge of the various operations of the plant.
  - Knowledge of the principles, methods and procedures of the system installation, commissioning, maintenance, repair and construction.
  - Knowledge of the principles of pipeline construction, maintenance.
  - Knowledge of the materials and equipment used in maintenance work.
  - Ability to plan, organize, assign, supervise, and inspect the work of subordinates.
  - Ability to complete accurate records and make reports.
  - Able to interface and communicate clearly and effectively with all levels of an organization, both internally and externally with customers.
  - Team player with global mindset and ability to work effectively with different cultures.
  - Communicate the business vision effectively in an open and consistent manner.
  - Measure processes and performance through the customer's eyes.