

Holds a B. Sc. in Mechanical Engineering and has more than 8 years' experience in combined cycle power plant operations, working as Shift Leader Assistant, CCR Operator and Field Operator. And additional experiences in operations of Natural gas compressors, H2 generation plant, GIS (Gas insulation switchgear) 550KV and BOP (balance of plant) instrument air compressors and cooling water supply system.

PERSONAL DATA

Nationality : Egyptian
Gender : Male
Residence : Giza, Cairo

EDUCATION

: B. Sc. in Mechanical Engineering, Helwan University, 2013

LANGUAGES

Arabic : Native Language
English : Very Good

COMPUTER SKILLS

: Windows, MS Office, Internet
: AutoCAD (2D & 3D)
: Abaqus FEA
: Solid Works
: Topsolid CAD/CAM

TRAINING COURSES AND CERTIFICATIONS

: Gas Turbine, component specific training at Berlin, Germany (2016).
: Generator, component specific training at Muehlheim, Germany (2016).
: T3000 (SPPA Control System) simulation training - Erlangen, Germany (2016).
: Basic training for Open & combined cycle power plant operation - Kureimat, Egypt (2016).
: Gas Turbine On-Job Training Beni Suef CCRPP, Egypt (2017).
: Steam Turbine & Water steam cycle On-Job Training.
: Training for Fire Fighting Theoretical and Practical at GTSC.
: Training for Confined Space and Work at Height at GTSC.

CHRONOLOGICAL EXPERIENCE RECORD

Dates : From Mar. 2021 till now
Employer : Siemens Energy O&M
Project : Beni Suf Combined Cycle Power Plant 4800MW
The Plant consists of 4 modules each module has two Siemens Gas Turbines (SGT 8000H), two NEM Heat Recovery Steam Generation (HRSG) and one Siemens Steam Turbine (SST 4000F).
Job title : Shift Leader Assistant
Job Description :

- Performing safe start-up and shutdown for all plant as per the standard procedures.
- Reviewing results and meeting with managers to discuss methods of improving the productivity of existing systems.
- Ensure that all activities in the plant are performed in a safe and efficient manner according to the approved Standard Operating Procedures and all operating requirements.
- Complete routine reports on plant operations as directed by the Operations Manager.
- As an Authorized Person, create isolations which enables maintenance activities to proceed safely under the Permit to Work System.
- Fast Acting in Emergency Cases.
- Identifying, investigating and repairing system faults.
- Train the team what to do in critical operation Cases.
- Reviewing operation procedure.

Dates : From Nov. 2018 till Mar. 2021
Employer : Siemens Energy O&M
Project : Beni Suf Combined Cycle Power Plant 4800MW
Job title : CCR Operator
Job Description :

- Performing Start-up and Shutdown of Gas Turbines, Steam Turbines, Heat Recovery Steam Generation HRSG and their auxiliaries.
- Monitoring Balance of Plant BOP operation (fuel gas compressors, instrument air compressors, firefighting system and cooling water system).
- Dealing with the Power Plant software T3000.
- Software fault tracing and troubleshooting in case of malfunction.
- Preparation of daily report during the shift and reporting it to operation engineers and section head.
- Performing Periodic tests (Weekly/monthly) for Emergency diesel generator or diesel firefighting pump.
- Operation of GIS (Gas insulation switchgear) 550KV.

Dates : From Apr. 2016 till Nov. 2018
Employer : Siemens Energy O&M
Project : Beni Suf Combined Cycle Power Plant 4800MW
Job title : Field Operator
Job Description :

- Daily inspections on the main machines and auxiliary equipment during the shift.

- Performing required duties of Lock-out / tag-out and applying isolations which enables maintenance activities to proceed safely under the Permit to Work System.
- Performing Start-up and Shutdown of H2 Plant.
- Quick response during emergency operation of the plant.
- Performing Periodic tests according to Operation Procedures and applying all tests check lists by coordinating with the CCR operator.

- Field of experience :**
- Skills:
 - Punch list.
 - PTW Officer.
 - Pre-Commissioning.
 - Plant Efficiency Analysis.
 - Monitoring Performance.
 - Complex Problem Solving.
 - Strong Technical Support.
 - Time Management.
 - Decision Maker.
 - Very good Communication Skills.
 - Positions:
 - Shift Leader Assistant.
 - CCR Operator.
 - Field Operator.