

Holds a B. Sc. in Mechanical Power Engineering and has over 7 years experience working in maintenance, operation, commissioning and start-up.

PERSONAL DATA

Nationality : Egyptian
Birth Date : 25/06/1994
Gender : Male
Marital Status : Married
Residence : Cairo

EDUCATION

: B. Sc. in Mechanical Power Engineering, Tanta University, 2017

LANGUAGES

Arabic : Native Language
English : Very Good

COMPUTER SKILLS

: Windows, MS Office, Internet
: AutoCAD 2D & AutoCAD P&ID
: MS Project
: Solid Works (professional, weldment, sheet metal, piping routing)
: Aspen HYSYS

TRAINING COURSES AND CERTIFICATIONS

: ASME II – Materials.
: ASME VIII div 1 – Pressure vessels.
: ASME IX – Welding / welder qualification – part QW.
: ASME B31.3 – Process piping.
: Aspen Certified User in Aspen HYSYS.
: Water Desalination (RO) – 32 hours course, Clear Water Company.
: Solid Works mechanical design (certified by passing the company associate test).
: HVAC (used the courses of Eng. Wael Neseam online study).
: Fire fighting (used the courses of Eng. Wael Neseam online study and Egysat Center course data).

- : Plumbing (used the courses of Eng. Wael Neseam online study).
- : Training for 2 months and knowing the types of pumps and method of operation, pre-treatment and safety specifications.
- : Training at GHAZEL ELMAHALLA COMPANY (2 months in 2015):
 - Worked as a Supervisor Engineer under training on production lines, car maintenance garages there.
 - Carried out central air conditioning systems designed there for administrative buildings as well as for power transformers.
 - And I carried out the power station of the company is a kind of steam stations.
- : Thermo dynamic, University of Michigan (Coursera).
- : Planning and Initiate small projects, Clifforina University (Coursera).
- : SKF bearing course.

CHRONOLOGICAL EXPERIENCE RECORD

- Dates** : From Jan. 2022 till now
- Employer** : SILO FOODS for Food Industries
- Job title** : Utilities Engineer
- Job Description** :
- Inspection and monitoring energy systems performance, water pumps, tanks, chillers, cooling towers, heat exchangers, water treatment system, firefighting system, Ammonia Chillers, compressors, cooling fans and blowers, dryers, vacuum pumps, decoration equipment and other facilities.
 - Supervision of execution of preventive maintenance plans for related machinery.
 - Lead root cause analysis for boilers and ammonia freezers and participates in the initiation of the solution with the engineering team and OEM.
 - Coordinating with Maintenance Manager, technicians' staff and assess requirements of machinery and tools.
 - Presenting and discussing the best available alternatives from the existing range of machinery.
 - Developing blueprints for custom machinery, updating equipment maintenance history and preparing technical reports.
 - Supervising installation at the plant and scheduling maintenance tasks.
 - Lead and follow up a group of technicians to control and organize their technical maintenance works.
 - Assisting in the recruitment and training for technical staff in the utilities department.
 - Follow up the execution of various preventive maintenance plan with production team.
 - Ensure equipment are meeting operations and food safety standards to sustain targets and decide on actions in case of deviation from targets.

- Dates** : From Jan. 2020 till Jan. 2022
- Employer** : AC Boiler
- Project** : South Helwan Supercritical Power Plant
- Job title** : Commissioning & Start-up Engineer

Job Description :

- Monitoring the performance of the unit by system Schneider Foxboro.
- Starting of the systems with data sheet references.
- Boiler start up (cold – warm – hot) with startup curve shutdown with shut down curve.
- Troubleshooting the malfunction of equipment.
- Co-ordinate the work permits related to the boilers.
- Send reports about the boilers condition to the commissioning manger.
- Supervise the owner operation engineers.

Dates : From Jan. 2018 till Dec. 2019

Employer : [EGYPTROL](http://www.egyptrol.com) - subcontractor for Ansaldo Caldaie (AC BOILER)

Project : South Helwan Supercritical Power Plant

Job title : Commissioning & Start-up Engineer

Job Description :

- South Helwan Supercritical Power Plant:
 - Being support the commissioning activities like Hydro test, Boiler Chemical Cleaning, gas lines blow off, fans skids oil flushing, dry out refractory of burners, turbine activists, motors solo runs etc..... Had highly contact with vendors and handled with many mechanical problems.
 - Start from commissioning to normal operation.
 - Started as a Field Operator being responsible of the auxiliary boiler operation.
 - Prepare the systems of water, steam, gas, airport.
 - Keep monitoring the local equipment parameters.
 - Then worked as a Control Room Operator.
 - Monitoring the performance of the unit by system Schneider Foxboro.
 - Starting of the systems with data sheet references.
 - Start up the unit (cold -warm-hot) with startup curve shutdown with shutdown curve.
 - Troubleshooting the malfunction of equipment.
- West Assiut Power Plant:
 - Support the commission team duties like motors run test, oil flushing, blow off lines till first firing.
 - Monitoring the performance of the unit using GE MARK VI System.
 - Preparation of safety work permit.
 - Prepare and report daily reports of the unit.
 - Starting of the systems with data sheet references.
 - Start up the unit (cold – warm – hot) with startup curve shutdown with shutdown curve.
 - Troubleshooting the malfunction of equipment.

Dates : From Aug. 2017 till Jan. 2018

Employer : Ridgewood for water solutions

Project : RO Plant in Hurghada

Job title : Operation & Maintenance Engineer

Job Description :

- Perform the preventive maintenance.
- Perform corrective maintenance of rotary and static equipment.
- Daily walk down and routine check for operation limits.
- Monitor parameters of equipment and the chemical dosing.

- Lead team of technicians and workers.

- Field of experience :**
- Over 7 years of experience, started as Gas Turbine Operator at West Assiut Power Plant GE FRAME 9E TURBINE, then worked as Field Engineer for supercritical steam boiler at South Helwan Power Plant, then worked as DCS Operator at the same station.
 - And participate in the commissioning activities for the gas turbine, steam turbine, BOP and boiler.
 - And also, practical mechanical maintenance experience, and have a very good knowledge of steam turbines and balance of plant.
 - Having a good knowledge about ASME-II (Materials), ASME-VIII div 1 (Pressure vessels), ASME IX (welding/welder qualification - Part QW), ASME B31.3 (Process piping).
 - Now I work as Utilities Engineer at silo foods dairy factory.
 - Also, FIDIC and claims.
 - Talented in Solid Works (professional, sheet metal, weldments) and have design experience like heat exchangers, tanks, etc...
 - Worked in water desalination (RO).