

Holds a B. Sc. in Mechanical Power Engineering and has over 5 years experience working in design, technical office, maintenance, operation and commissioning.

PERSONAL DATA

Nationality : Egyptian
Birth Date : 20/10/1993
Gender : Male
Marital Status : Single
Residence : Tanta

EDUCATION

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

LANGUAGES

Arabic : Native Language
English : Good

COMPUTER SKILLS

: Windows, MS Office (Word, Excel, Power Point), Internet
: Autodesk AutoCAD 2D
: AutoCAD Plant 3D (P&ID & PFD drawings)
: Pipe Flow Expert
: Elite Fire-fighting
: HAP
: AFT Arrow
: Navisworks

TRAINING COURSES AND CERTIFICATIONS

: Condensate and feedwater multistage centrifugal pumps training at Assiut CCPP with HYOSUNG GOODSPRING INC.
: Gas turbine frame 9E operation training course at Assiut CCPP training center.
: Thermal and CCPP power plant operation training course at UPPER EGYPT ELECTRICITY PRODUCTION COMPANY training center.
: Steam basics course (Spirax Sarco) (Sep. 2021).
: General English course (Feb. 2018).

- : Plumbing course (Oct. 2017).
- : Fire-fighting course (Aug. 2017).
- : Trainings at:
 - Western Delta Bus Company.
 - Mansour Automotive Company.
 - Cairo Oil Refining Company.
 - The General Petroleum Company.
- : ICDL

CHRONOLOGICAL EXPERIENCE RECORD

- Dates** : From Jan. 2022 till now
- Employer** : ELSEWEDY POWER
- Project** : Al Layyah Combined Power Plant (1026MW), UAE
- Job title** : Operation Engineer
- Job Description** :
- Perform start-up and Shutdown procedures for gas turbine and BOP.
 - Monitor gas turbine and BOP equipment to detect evidence of operating problems.
 - Start and stop equipment as condition necessary.
 - Record equipment parameters in a time scheduled log sheet.
 - Change over on equipment based on its operating hours or operating conditions.
 - Coordinate with other operators to ensure smooth operation of all plant systems.
 - Monitoring and control the process parameters as desired and handing over to the incoming shift in a systematic and orderly manner.

- Dates** : From May 2019 till Dec. 2021
- Employer** : [EGYPTROL](http://www.egyptrol.com)
- Job title** : Mechanical Design Engineer
- Job Description** :
- Prepare Project Piping and Instrumentation Diagrams (P&IDs) drawings for process systems “oil & gas and industrial section” steam, compressed air, suction, discharge, flare gas, ...etc.).
 - Prepare Project Process Flow Diagrams (PFD) drawings.
 - Prepare hydraulic calculation reports for process systems & MEP.
 - Pumps and compressors sizing and selection.
 - Reviewing vendors offers and equipment data sheets.
 - Prepare Mechanical documents DWG, BOQ, ...etc.
 - Prepare line and valve lists.
 - Design firefighting system for buildings and sites.
 - Design firefighting system for oil & gas sites.
 - Design plumbing system for buildings and sites.
 - Prepare BOQ for process, firefighting and plumbing systems.

- Dates** : From Jan. 2018 till Apr. 2019
- Employer** : [EGYPTROL](http://www.egyptrol.com)

Projects :

- South Helwan Supercritical Plant 3x650MW
- West Assiut Combined Power Station 1500MW
- El-Kureimat Steam Power Plant 2x625MW

Job title : Commissioning & Operation Engineer

Job Description :

- Systems walk downs to identify mechanical punch-list items.
- Witness for Air blowing on (instrument & air - gas fuel - oil fuel) pipes.
- Witness for water flushing on (closed cooling – demi water – potable water) pipes.
- Witness for oil flushing on steam and gas turbine generator service oil loops and feed water turbine pumps.
- Witness for site test procedures on (steam turbine and gas generator) auxiliaries and subsystems.
- Witness for site test procedures on BOP systems.
- Carrying out test procedures, investigating problems and troubleshooting issues.
- Perform start-up and Shutdown procedures for steam turbine and BOP.
- Monitor steam turbine and BOP equipment to detect evidence of operating problems.
- Carry out Maintenance activity at treatment department in West Assiut project 1500MW.

Dates : From Nov. 2017 till Jan. 2018

Employer : Nissan Motors Service Centre

Job title : Maintenance Engineer

Job Description :

- Inspect car parts, identify faults and test them before proceeding with maintenance procedures.
- Requisition of suitable spare parts according to the results of identifying faults.
- Ensure that the technician obtains the appropriate spare parts and installs them in the vehicle.
- Scheduling and distributing tasks to the team in accordance with technical qualifications and skills.

Dates : From Jul. 2017 till Oct. 2017

Employer : Kia Motors Service Centre

Job title : Maintenance Engineer

Job Description :

- Inspect car parts, identify faults and test them before proceeding with maintenance procedures.
- Requisition of suitable spare parts according to the results of identifying faults.
- Ensure that the technician obtains the appropriate spare parts and installs them in the vehicle.
- Scheduling and distributing tasks to the team in accordance with technical qualifications and skills.

Field of experience :

- Good experience in commissioning, start-up and operation of all systems/equipment related to oil, gas and power generation field.
- Also, Mechanical Design Engineer with a history of working in P&IDs

drawings for process systems and prepare hydraulic calculation reports for process systems in power generation, oil & gas projects.

- Knowledge through Mitsubishi Hitachi facilities (GT M701F/ ST TC4F-40.5”) DIASYS Netmation automation System.
- Knowledge through Hanwha gas compressor (SE-45G/2).
- Knowledge through HYOSUN GOODSPRINGS multistage pumps (SRHD 250/5) (SRHG 125/10).
- Knowledge through (GT Frame 9E) MARK VIe Operation Automation System.
- Knowledge through KSB multistage pumps (CHTD 7/6).
- Rotary equipment (Gas Turbine, Steam Turbine, Compressors, Centrifugal Pumps, Blowers and Fans).
- Diesel generator (black out generator, emergency diesel generator (EDG)).
- Gas & Steam turbine auxiliaries Systems (lubrication oil, control oil, jacking oil, turbine sealing & cooling, Turning gear).
- Natural gas compression systems (gas receiving metering system (GRMS), Gas compressors and Gas recycle cooling system).
- Balance of plant (BOP) Systems (condensate, feed water, circulating water, closed cooling, potable water, demi-water, instrument & service air, heavy fuel forwarding, lite fuel forwarding, fuel gas, chemicals, auxiliary steam, HVAC and firefighting system).
- Electrical generator systems (stator water cooling, H2 cooler, gases control (H2, CO2), seal oil).
- Operation of Water desalination plants (RO).
- Good technical writing skills for field observations and commissioning progress reports.
- Mechanical Commissioning and operation experience with strong process knowledge on Steam & Combined Cycle Power Plants.
- Able to read and understand control logic diagram.
- Deep understanding about all rotating equipment operation and protection philosophy.
- Good experience as an authorized person in process isolation, electrical switching up to 220KV, Lock Out Tag Out and Permit To work procedure.