

Holds B. Sc. and M. Sc. in Mechanical Power Engineering and has over 11 years hands-on experience working in operation, maintenance, commissioning and start-up.

## **PERSONAL DATA**

Nationality : Egyptian  
Birth Date : 29/05/1988  
Gender : Male  
Marital Status : Married  
Residence : Currently KSA

## **EDUCATION**

: B. Sc. in Mechanical Power Engineering, Alexandria University, 2010  
: M. Sc. in Mechanical Power Engineering, Alexandria University, 2016

## **LANGUAGES**

Arabic : Native Language  
English : Very Good

## **COMPUTER SKILLS**

: Windows, MS Office (Word, Excel), Internet  
: Process Simulation using Aspen Hysys  
: Solid Works  
: AutoCAD  
: EES (Engineering Equation Solver)  
: HTRI

## **TRAINING COURSES AND CERTIFICATIONS**

: Data analysis (UDACITY): Data analysis professional - Data challenge track.  
: Six Sigma - Green Belt.  
: Training at Transport & Engineering (NISR TIRES) (2007).  
: Training at Alexandria Mineral Oils Co. (AMOC) (2008).  
: Training at Abu Qir Fertilizers (2009).  
: Training Course in Refrigeration & Air Conditioning (2010).  
: West Delta for Electricity Production: Basics of power plants (2011).  
: West Delta for Electricity Production: Methods of water Desalination (2012).  
: Training course in pumps certificated from Engineers Syndicate (2013).

- : West Delta for Electricity Production: Vibration analysis (2015).
- : West Delta for Electricity Production: Advanced vibration analysis (2016).
- : International Computer Driving License (ICDL).

## CHRONOLOGICAL EXPERIENCE RECORD

- Dates** : From Apr. 2021 till now
- Employer** : RISAL (REDLAND INDUSTRIAL SERVICES ARABIA LTD)  
 RISAL is a service company working in OIL & GAS services field. Services projects can be summarized in Steam production, steam blowing Services, Chemical Cleaning, Hydro jetting, Hydro milling, Catalyst Carbon loading.
- Projects** :
- Steam Production Project (Aramco - Jizan Refinery): Operation incharge - Responsible for operation and maintenance of RISAL's project located inside Jizan Aramco Refinery where we are operating many services projects, one of the unique projects is SPD001 where we are utilizing 4 temporary boilers to generate 300 TPH to feed ARAMCO steam headers (HPS, MPS, LPS) to utilize it in steam blowing required for refinery steam lines and supplying refinery with steam during operation.
  - Steam Production Project with Air Product & GIC (IGCC - Jizan): Operation incharge - Responsible for operation and maintenance of 2 boilers to supply Gas integrated company (GIC) with steam.
  - Steam blowing Services for Jizan Aramco Refinery and IGCC lines.
  - Retubing of 90 TPH boiler, chemical cleaning and steam blowing.
- Job title** : Senior Operation Engineer
- Job Description** :
- Operate all plant areas with a focus on Health, Safety, and Environment (HS&E) compliance and availability, taking action to deliver customer satisfaction and achievement of business plan.
  - Communicate with clients to identify and define project requirements, scope, and objectives.
  - Interact with Aramco Utility in respect of Steam requirements and supply.
  - Interact with GIC operation personnel in respect of Steam requirements and supply.
  - Ensure client criteria and scope are met by all engineering disciplines.
  - Assist the Project Manager in planning, directing, supervising, and controlling the execution of technical, and administrative functions of the project or study.
  - Expedite distribution of action items following discussions/meetings with the client and Project Manager.
  - Prepare technical reports and documentation of activity for the client and project management.
  - Ensure full awareness of the technical condition of the asset and is proactive in ensuring that any issues that may affect the HS&E production capability availability are properly notified and acted upon.
  - Interface with procurement and subcontract personnel to facilitate the bid process. Coordinate the utilization of interdisciplinary technical personnel on the project with other Project Engineers. Coordinates the assignment of personnel from other technical support groups within the company.
- Dates** : From Feb. 2011 till Apr. 2021
- Employer** : West Delta for Electricity Production

- Project** : Sidi Krir Power Plant
- Job title** : Operation Engineer
- Job Description** :
- Operation and monitoring of 2x320MW Steam Power Plant.
  - Operation of Multistage Flashing (MSF) (2 x 5000 ton/day) desalination plant.
  - Commissioning and start-up of steam turbine after major overhaul.
  - Operation and monitoring of 750MW combined cycle consists of 2x250MW combustion turbine generators (CTGs), two HRSGs and 250MW, single reheat, condensing Steam Turbine Generator (STG).
  - Monitor and control of the Unit/Plant Operation parameters and coordinate with the other Operators regarding all related activities that affect operation. Perform all operation activities in a safe and efficient manner and in accordance with the approved operating procedures.
  - Responsible for safe start-up / shut down / emergency operations of the plant as per the standard operating procedures.
  - Familiar with distributed control system (DCS) operation.
  - Coordinate with all other departments all activities that are related to plant operations during the shift and comply with safety rules and regulations. Have a complete understanding of the permit to work system applied to the plant. Issue and cancel permits to work per authorization. Coordinate activities involving plant chemistry with the Chemist.
  - Participate in cold and hot Commissioning for systems like Bearing lubrication oil, Generator sealing oil, Control oil for turbine valves and Generator's Hydrogen Purging and filling, after unit shutdown for turbine replacement.
  - Make quick, on the spot decisions to correct abnormalities or disturbances. Take corrective actions during a state of emergency. Supervise the startup checklist, interlock checks, protection tests, non-routine activities like preservation, acid cleaning etc.
  - Upon authorization, issue work permits for maintenance section involved. Have a complete understanding of the permit to work system procedure applied to the plant.
  - Coordinate record and ensure LOTO (Lock Out & Tag Out) during the isolation of equipment for maintenance as per the permit to work procedure.
  - Aware of safety rules and regulations, and the safety hazards in the plant.
  - Familiar with plant P&IDs, Work instructions, Operation and control logics, emergency operation procedures, as well as regulatory requirements and any other related documents.
  - Well conversed with Power/Desalination Operational activities.

Skills:

- Troubleshooting.
- Strategic Planning & Diagnostics.
- Data analysis.
- Lockout & Tagout procedure.
- Work permit system procedure.