

Holds a B. Sc. in Mechanical Power Engineering and has over 13 years experience in large power generation projects, power plants, Energy and EPC Companies.

## PERSONAL DATA

Nationality : Egyptian  
Birth Date : 15/02/1987  
Gender : Male

## EDUCATION

: B. Sc. in Mechanical Power Engineering, Menoufia University, 2009

## LANGUAGES

Arabic : Native Language  
English : Very Good

## COMPUTER SKILLS

: Windows, MS Office, Internet  
: AutoCAD

## TRAINING COURSES AND CERTIFICATIONS

- : Operation and Maintenance of Vertical and Horizontal Centrifugal Pumps - EBARA Corporation, Giza North Power Plant (2016).
- : Maintenance of steam turbines, generators, condensers, by passes and related control systems - Ansaldo Energia, Giza North Power Plant (2015).
- : Gas Turbine and Generator Maintenance - General Electric (GE Energy), Giza North Power Plant (2014).
- : Gas Turbine and Generator Maintenance - General Electric (GE Energy), GE Energy Learning Centre, Belfort - France (2013).
- : Operation and Maintenance of Combined Cycle Power Plants - Cairo Electricity Production Company, Cairo North Combined Cycle Power Plant (2010-2011).
- : Practical field internship training at Cairo Oil Refining Company, Tanta (2007).

## CHRONOLOGICAL EXPERIENCE RECORD

Dates : From Dec. 2020 till Jul. 2022  
Employer : Ansaldo Energia

- Project** : 6<sup>th</sup> October Combined Cycle Power Plant 1500MW
- Job title** : Senior Mechanical Engineer
- Job Description** :
- Responsible for reviewing, analyzing, modification (as required) and closing-out the customer warranty claims and punch items related to the whole power plant equipment and materials, including the following:
    - Gas turbines (Manufactured by Ansaldo Energia, Model AE94.2, 150MW) and its auxiliaries.
    - Steam turbine (Manufactured by Ansaldo Energia, 343MW) and its auxiliaries.
    - BOP (Pumps, valves (manual valves, motorized valves, pressure seal valves, control valves, fire safe valves, vacuum design valves, metal seated ball valves), compressed air package, Piping Systems, Condensers, Heat Exchangers, Natural Gas, Fuel Oil, Hydraulic skids, ...etc.).
    - Air cooled condenser.
    - Heat Recovery Steam Generators (HRSGs) (Manufactured by AC Boiler, 343MW).
    - Water treatment and demineralized water production systems.
  - Technical and commercial evaluation of the proposals received from material suppliers, whether for spare parts or main equipment, being used during warranty period.
  - Reviewing and supervise the mechanical maintenance activities, including preventative and corrective maintenance.
  - Planning for shutdowns and organize for the related maintenance / modification activities.
  - Ensure plant availability and equipment reliability following HSE guidelines and governing quality standards.
- Dates** : From Feb. 2018 till Nov. 2020
- Employer** : China Energy Engineering Group Jiangsu No.1 Electric Power Construction Co., Ltd. (JEPCC1)
- Project** : Cairo West Supercritical Power Station 1x650MW (BOP Contract Package; CP-118 (Mechanical Equipment and Pipe Installation Package)
- Job title** : Senior Mechanical Engineer
- Job Description** :
- Lead the technical team work to execute BOP (Balance of Plant) package of Cairo West Supercritical Power Station 1x650MW (1E Unit) through the following activities:
- Carry out initial technical review of client / consultant requirements and specifications to define engineering design inputs.
  - Prepare RFQs (Request for Quotations) for each equipment / system and invite vendors to quote. These equipment and systems; including Fuel Oil Pumps, Waste Vertical Sump Pumps and Submersible pumps, Fire Pumps package (Peerless / Grundfos), Tanks and Vessels, Valves package, strainers and filters, mazout skids, cranes and hoists, and hydrogen generation system.
  - Study vendors' proposals, review, and confirm its compliance with the contract requirements.
  - Manage the pre-award meeting with the successful vendor.
  - Prepare the relevant Purchase Order for the materials being procured.
  - Succeeded to put the project on the proper track and to issue the relevant purchase orders on time.

- Carrying out technical clarifications with both vendors and customer / consultant and resolving the clarifications on time.
- Review and revise the project technical documents and design drawings and prepare the technical submittals for the client / consultant review and approval.
- Manage meetings with the project consultant in order to release any technical and/or contractual issues.
- Provide technical support required for materials receiving and installation.
- Reviewing equipment IOM manuals including preventative and corrective maintenance schedule and procedures.
- Provide technical support required to close the punch items.
- Responsible for spare parts package.
- Responsible for the local material purchasing.

**Dates** : From Sep. 2010 till Apr. 2018

**Employer** : Cairo Electricity Production Company (CEPC)

**Project** : Giza North Combined Cycle Power Plant 2250MW

**Job title** : Mechanical Engineer

**Job Description** :

- Work as a Mechanical Engineer with Turbine Maintenance department and properly perform the following tasks:
  - Reviewing and supervise the mechanical maintenance activities, including preventative and corrective maintenance, for BOP equipment and materials; like pumps, valves, compressors, ...etc.
  - Perform Nine Combustion Inspections and three Hot Gas Path Inspections for GE gas turbine (9FA).
  - Sharing in shutdown activities for Steam Turbines (manufactured by Ansaldo Energia).
  - Reviewing work permit issued by plant Operation Team, troubleshooting, analyzing, and closing-out the problems / observations.
- Represent CEPC who is the client of Giza North Power Plant Project (2x750MW Combined Cycle) and its extension (1x750MW Combined Cycle), Giza, Egypt, during EPC stages, in addition to the start-up, commissioning, operation and put the plant in service, through the following phases:
  - Engineering: Review contracts technical specifications and design drawings along with the project consultant (PGESCO).
  - Procurement:
    - ❖ Participate, in conjunction with the project consultant, in tender evaluations, pre-award meetings, kick off meetings, Close-out meetings, and clarify issues pertaining to tendering process with Contractors.
    - ❖ Review and confirm spare parts selection with the contractors.
  - Construction:
    - Follow-up / supervise, with the project consultant, implementation of the mechanical works and construction activities in the field including the following:
      - ❖ BOP (Pumps, piping systems, different types of valves, compressed air package, Heat Exchangers, Fire Pumps package, Self-Cleaning strainers, Fuel oil treatment system,

hydrogen generation plant, Intake pump house supplied by Ebara Corporation).

- ❖ Gas Turbines (Manufactured by General Electric (GE), Model 9FA, 250MW) and its auxiliaries.
- ❖ Steam Turbines (Manufactured by Ansaldo Energia, 250MW) and its auxiliaries.
- Commissioning: Follow-up / supervise all pre-commissioning and commissioning activities related to the above-mentioned installed equipment and materials and put the plant systems on service.
- Training: Carry out a training program for Giza North Power Plant Technician in "Fire Pumps and their Distribution Pipelines" at Giza North site during the period from 10th to 14th Sep. 2017.

- Dates** : From Oct. 2009 till May 2013
- Employer** : EL-SEWEDY Power System Projects (PSP)
- Projects** :
  - Abu Qir Thermal Power Plant, Units 6 & 7, 2x650MW Gas/Oil Fired Units (BOP Package)
  - Nubaria Power Station III – 1x750MW Combined Cycle Project (HRSG Package)
- Job title** : Mechanical Technical Office Engineer
- Job Description** :
  - Prepare RFQs (Request for Quotations) for each equipment / system and invite vendors to quote.
  - Study vendors' offers and negotiate with competitive vendors.
  - Review and revise the project technical documents and prepare the technical submittals for the client's review and approval.
  - Carrying out technical clarifications with vendors and customers.
  - Prepare spare parts list and selections for customer review and approval.
  - Follow up the erection of piping systems according to isometrics and P&ID's (Piping & Instrument Diagrams).
  - Prepare "As- Built" drawings and Punch List.
  - Prepare the Test Package for each system.
  - Handover the mechanical systems to the client.
- Field of experience** : Power Generation, Power Plants, EPC Contracts, Balance of Plant (BOP), Technical Office, Proposals & Quotation, Design Review, Technical Procurement, Commissioning, Maintenance, Field Service, Steam Turbines, Gas Turbines, HRSG's, Pumps, Valves, Rotating Equipment, Spare Parts.