

Holds a B. Sc. in Mechanical Power Engineering and has over 18 years hands-on experience working mainly in maintenance and technical office.

## PERSONAL DATA

Nationality : Egyptian  
Birth Date : 25/11/1977  
Gender : Male  
Marital Status : Married  
Residence : Beni Suef

## EDUCATION

: B. Sc. in Mechanical Power Engineering, Cairo University, 2001

## LANGUAGES

Arabic : Native Language  
English : Very Good

## COMPUTER SKILLS

: Windows, MS Office (Word, Excel, Power Point), Internet  
: AutoCAD

## TRAINING COURSES AND CERTIFICATIONS

: Off-shore training on Maintenance of the steam turbine skids applied by ALSTOM Company in Germany.  
: Training on maintenance of the (2x250MW) gas turbine (V94.3A2).  
: Safety & Health for Construction Industry in accordance with OSHA – CFR 1926.  
: Lean six sigma course.

## CHRONOLOGICAL EXPERIENCE RECORD

**Dates** : From Jan. 2021 till now  
**Employer** : ORASCOM Construction  
**Project** : Sharq El Owaynat Potatoes French Fries Factory  
**Job title** : Engineering, Technical Office & Procurement Chief Engineer  
**Job Description** :

- HVAC design drawings and calculations review and approval.
- Firefighting design drawing and calculations review and approval.

- Plumbing design drawing & calculation review and approval.
- All systems related to production building such as:
  - Boilers and steam piping.
  - Compressed air system and piping.
  - Industrial drainage and water supply.
  - NH3 system required for refrigerant.
  - Diesel Generators and fuel oil tanks.
  - Conveyers.
  - Water tanks.
  - Waste water treatment plant.
  - Potable water generation system.
- Preparing material submittals according to project specs.
- Preparing FCR (Field change reports).

**Dates** : From Nov. 2019 till Jan. 2021  
**Employer** : ORASCOM & AQUALIA Consortium  
**Project** : ABU RAWASH Waste Water Treatment Project  
**Job title** : Engineering, Technical Office & Procurement Chief Engineer  
**Job Description** :
 

- HVAC design drawings and calculations review and approval.
- Firefighting design drawing and calculations review and approval.
- All systems and equipment related to waste water treatment project such as: All types of equipment involved in the process (clarified water pumps, Raw water pumps, primary and secondary sludge pumps, primary and secondary scum pumps, Biological Reactors, Turbo compressors, chlorination system, primary and secondary clarifiers, Odour control facility, etc.).

**Dates** : From Feb. 2016 till Nov. 2019  
**Employer** : ORASCOM & SIEMENS Consortium  
**Project** : New Capital Combined Cycle Power Plant  
**Job title** : Mechanical Technical Office Chief Engineer  
**Job Description** :
 

- Responsible for BOP & MEP systems (HVAC systems, Firefighting system, Steel Structure Hydrogen plant, water treatment plant, Compressed air system, Co2 system, Nitrogen system, closed cooling system, chemical dosing system, Overhead cranes, waste water system, etc.).
- Review and ensure shop drawing submitted.
- Ensure the distribution of the approved shop drawings.
- Study and prepare requests for information for various projects, follow up subcontractor's progress.
- Review and issue order to pay for subcontractors' invoices.
- Interact with the Material Engineer regarding the material submittal and specifications, resolving any unexpected technical difficulties, and other problems that may arise.

**Dates** : From Sep. 2011 till Sep. 2015  
**Employer** : AD Engineering Co. – Saudi Arabia, Riyadh  
**Projects** : Al Jouf University – Al Taif University  
**Job title** : Mechanical Consultant Engineer

- Job Description** : • Mechanical drawings (air condition – fire fighting – plumping – Elevators) review and approval.  
• Air condition works inspection and approval.  
• Firefighting works inspection and approval.  
• Plumping works inspection and approval.  
• Contracts studies.  
• Bill of quantities studies.  
• Material submittal.
- Dates** : From Nov. 2006 till Sep. 2011
- Employer** : Upper Egypt Electricity Production Company (UEEPC)
- Project** : El-Kureimat II 750MW Combined Cycle
- Job title** : Mechanical Maintenance Engineer
- Job Description** : • Maintenance of the gas turbine skids a (2x250MW) gas turbine (V94.3A2) supplied by SIEMENS. Doing the minor inspections together with Siemens (we did one minor inspections for each unit of the four units (4 times)):
- Replacing of the combustion chamber tiles (ceramic and metallic).
  - Removing and reinstalling the burners, swirls & inserts.
  - Replacing of thermo couples of burners.
  - Replacing the igniters of the burners.
  - Maintenance of blow off valves.
  - Maintenance of Bogs compressors.
  - Maintenance of trash racks.
  - Maintenance of traveling screens.
  - Doing overall maintenance of burners and cleaning of swirls for the tow gas turbines of El-Kureimat Power Station.
- All auxiliaries for the turbine such as:
- Lubrication oil system.
  - Closed cooling water system.
  - Lubrication water system.
  - Hydraulic oil package.
  - Fuel gas skid.
  - Fuel oil skid.
  - Service water pump.
  - Nox and purge water pump.
  - Compressed air system such as:
    - Service and instrument air compressors.
    - Pneumatic air compressor.
  - Firefighting system.
  - HVAC system.
  - All types of pumps and valves.
  - Diesel generator and diesel fire pump.
- Doing major inspection (Hot gas path inspection HGPI) together with Siemens we did one HGPI for two units this is after 25000 operating hours:
- Checking the combustion chamber tiles and replace the defectvie ones.
  - Replacing the burners premix portion and making heat treatment to them and washing by chemical additions.
  - Replacing the moving and stationary blades of the turbine and

- making NDT for the last movable blades.
- Checking and inspection the burners by probscope
- Testing the blow off valves.
- Checking the turbine shaft crakes by magnetic field instrument.
- Measure blade clearance after closing the unit.
- Testing all control valves (natural gas and solar).

**Dates** : From Apr. 2004 till Nov. 2006

**Employer** : Upper Egypt Electricity Production Company (UEEPC)

**Project** : El-Kureimat II 750MW Combined Cycle

**Job title** : Site Engineer

**Job Description** :

- Piping construction and checking.
- Firefighting system installation and inspection.
- Checking piping supports.
- Visual inspection and preparing punch list.
- Contracts studies.
- Receiving spare parts and make store to it.
- Responsible for "Mechanical drawings review and approval" a (2x250MW) gas turbine (V94.3A2) supplied by SIEMENS.
- Co-ordination and supervision of all mechanical installation works related to a (250MW) Gas turbine supplied by SIEMENS Company.
- UPPEC Representative, responsible for commissioning. All Mechanical equipment's in: Gas turbine (2x250MW) SIEMENS (V94.3A2).