

Holds a B. Sc. in Mechanical Power Engineering and has about 12 years hands-on experience working in construction and maintenance.

## **PERSONAL DATA**

Nationality : Egyptian  
Birth Date : 09/10/1983  
Gender : Male  
Marital Status : Married  
Residence : Currently KSA

## **EDUCATION**

: B. Sc. in Mechanical Power Engineering, Alexandria University, 2005

## **LANGUAGES**

Arabic : Native Language  
English : Very Good

## **COMPUTER SKILLS**

: Windows, MS Office, Internet  
: AutoCAD 2D

## **TRAINING COURSES AND CERTIFICATIONS**

: Permit to work training (Jun. 2017).  
: Confined space training (Feb. 2017).  
: Maximo training (Aug. 2016).  
: Advanced Study in Analysis and Design of Heat Exchangers (from Jan. till May 2010).  
: Experimentation, Measurements and Uncertainty analysis (from Sep. till Dec. 2009).  
: Off-shore training (Maintenance and Erection for HRSG) NEM Co. (Netherland - Henglo), Netherland and Germany (Mar./Apr. 2009).  
: AutoCAD 2004 (2D), American University in Cairo (Feb. 2006).  
: Operation of combined cycles at power plants (Apr./May 2007).  
: VT level II, PT level II, RT level II.  
: ICDL  
: English: IELTS 6.5 Overall.

## CHRONOLOGICAL EXPERIENCE RECORD

**Dates** : From Mar. 2016 till now  
**Employer** : AL-YAMAMA for trading and contracting  
**Project** : Princess Noura University – Riyadh, KSA  
**Job title** : Senior Project Engineer  
**Job Description** :

- Provide technical support to external and internal customers.
- Resolve operational problems related to firefighting system and minimize delays or unexpected cost increases.
- Ensure all relevant safety objectives and legal requirements are observed for all work completed.
- Support sales team in pre-sales technical concept and budgeting activities.
- Interpret client requirements, identify and address design parameters and engineering problems and ensure solutions are implemented accurately according to safety requirements and in budget.
- Maintain accurate records and files according to quality standard.
- Commission customized products and systems onsite and at customer facilities.

**Dates** : From Jan. 2015 till Jan. 2016  
**Employer** : Unaoil E & C – IRAQ  
**Project** : West Quarna Project Southern Iraq CS7 & CS8 Rehabilitation  
**Job title** : Senior Project Engineer  
**Job Description** :

- Management and surveying Mechanical Contracts and highlight any deviation required in construction.
- Reviewing and update the O&M manual, All supporting documents related to the commissioning work, Support documents (P&ID, GA dwg., detailed dwg., as built dwg., Assembly and disassembly dwg., Boiler, Vessels and piping conservation, Hydrostatic test procedure, Flushing specification, All lists (Line, Valve, ...etc.), Sub vendors documents (Manual, Electrical and pneumatic valves, Pumps, elevators ...etc.) and operational spare parts.
- Reviewing the project plan and create work schedule to line the project.
- Follow up the required documents to complete the project.
- Review the engineering drawing and documents to access constructability with contract requirements.
- Prepare and follow up the MTO planning and purchasing.
- Prepare project specific procedure to ensure cover all project activities as per contract requirements.
- Monitor the progress of the project as per client requirements.
- Ensure of availability of necessary resources.
- Follow up with clients on approval and instruction; attend all meetings with the client.
- Participate in the preparation of all final documentation during the closure of the project.
- Preparation of the Red line markup drawing and as built dwg.
- Preparation of supporting documents for test packs.

**Dates** : From Jun. 2013 till Dec. 2014  
**Employer** : Mitsubishi Hitachi power system  
**Project** : Walidia Power Station in Egypt boiler U#1 rehabilitation overall work power station "Forced circulation boiler 1x300MW"  
**Job title** : Boiler Superintendent  
**Job Description** :
 

- Management and surveying Mechanical Contracts and O&M manuals.
- Reviewing the supporting documents for MRR and RFI.
- Control the spare parts planning and purchasing.
- Installation of monorails for furnace side and backpass side.
- Removing the outer casing of backpass side and furnace side.
- Installation of temp. Support (Buckstay, Furnace .....etc.).
- Removing and installing of Ash hoopers.
- Replacement of the superheat and reheat bended tubes.
- Replacement of the baffle plates and seal plate.
- Replacement of the water walls for all sides.
- Replacement of steam coil heater.
- Rehabilitation for piping ASMI B31.1 (atomizing steam, atomizing air, HT.RH, CT.RH, sootblowing, ...etc.).
- Maintenance of Rotodynamic pumps.
- Maintenance of fans (Seal air fans, Forced draft fans, Flame scanner fans, Gas recirculation fans).
- Maintenance of valves (Butterfly, Globe, Gate, Relief, Check, Ball, Diaphragm, Plug, Pneumatics valves).
- Alignment of equipment (Dial indicator method, filler method).
- Performing Hydro test, Pneumatic test.
- Perform Acid cleaning.

**Dates** : From Mar. 2012 till Jun. 2013  
**Employer** : Kharafi National  
**Project** : El-Shabab Power Plant 1000MW (GE gas turbines frame 9E)  
**Job title** : Mechanical Engineer  
**Job Description** :
 

- HGPI for unit 7 and inspection for bearing no. 2.
- Responsible for the fabrication, erection and welding of piping of a Gas turbine unit, clearing mechanical and piping punch list items / reinstatement of all System Test pack.
- Supervise and coordinate the mechanical piping construction activities at the Gas Inlet Area, receiving and processing IDF's from the client, Detail checking and issuing the Isometrics, spooling issuing RFFs (Request for Fabrication) to fabrication shop, issuing materials to site through FMR's (Field Material Request) and familiar in all type of Valve Testing. Completed testing 15000 Valves (all types of rating and sizes) also Control Valves and MOV, Familiar in handling all type of bolt torque, bolt tensioning, and flange face machining equipments.
- Responsible for the fabrication, erection and welding of piping for the Gas Turbine. Clearing mechanical and piping punch list items / reinstatement for all System Test pack.
- Preparing all test packages for all systems and demonstrating the test limits.
- Follow up the erection of new manifolds and modifies the existing manifolds.

- Follow up the erection of new gas module skid.
- Follow up the erection of all piping For DLN retrofit to match the DLN such as atomizing air system, purge system, cooling and sealing air system, cooling water system, liquid fuel system, gas fuel system and purge air cooler system.
- Performing Hydro test and pipe cleaning.

**Dates** : From Dec. 2010 till Feb. 2012  
**Employer** : Dar Elakfaa Co. – KSA  
**Job title** : Maintenance Engineer  
**Job Description** :

- Organize and involving all types of (preventive, periodic, routine) maintenance.
- Maintenance of pumps:
  - Maintenance of Rotodynamic pumps.
  - Centrifugal pumps, propeller pumps.
  - Diaphragm pumps (dosing pumps).
- Maintenance of fire tube boiler capacity 15 tons.
- Maintenance of valves (Butterfly, Globe, Gate, Relief, Check, Ball, Diaphragm, Plug, Pneumatics valves).
- Alignment of equipment (Dial indicator method, filler method).
- Heat exchanger maintenance.
- Maintenance of water supply system and sewage system.

**Dates** : From Dec. 2005 till Nov. 2010  
**Project** : Sidi Krir Steam Power Stations (2x320MW)  
**Job title** : Utilities Engineer (Boiler and Water Desalinations Units)  
**Job Description** :

Boiler:

- Specification: 166 bar, 544 °C, water tubes, single drum, hinged type, natural gas and mazout fired system.
- Responsibilities:
  - Organize and involving all types of (preventive, periodic, routine) maintenance.
  - Maintenance of pumps:
    - Maintenance of Rotodynamic pumps.
    - Centrifugal pumps, propeller pumps.
    - Maintenance of + VE displacement pumps.
    - Screw pumps single and multiple – rotor types.
    - Diaphragm pumps (dosing pumps).
    - Pistons pumps.
  - Maintenance of fans (Seal air fans, Forced draft fans, Flame scanner fans, Gas recirculation fans).
  - Maintenance of valves (Butterfly, Globe, Gate, Relief, Check, Ball, Diaphragm, Plug, Pneumatics valves).
  - Alignment of equipment (Dial indicator method, filler method).
  - Heat exchanger maintenance.
  - Boiler maintenance (Air heater, Mazout burners, Natural gas burner, Pneumatic dampers Pneumatics actuators and Soot blowers).

Desalination:

- Specification: Multi stage flash unit (MSF 5000 ton/day, 20 rooms).
- Responsibilities:

- Organize and involving all types of (preventive, periodic, routine) maintenance.
- Maintenance of pumps (Condensate, Distillate, BRP, BBDP, sea water pumps).
- Maintenance of (Brine heater, Desalination plant valves).
- Inspection on the tubes of the rooms (evaporators), demisters and use acid cleaning if needed.