

Holds a B. Sc. in Mechanical Power Engineering and has over 16 years hands-on experience working in Boiler and HRSG maintenance and construction.

## **PERSONAL DATA**

Nationality : Egyptian  
Birth Date : 18/08/1976  
Gender : Male  
Marital Status : Married  
Residence : Cairo

## **EDUCATION**

: B. Sc. in Mechanical Power Engineering, Helwan University, 2004

## **LANGUAGES**

Arabic : Native Language  
English : Very Good

## **COMPUTER SKILLS**

: Windows, MS Office (Word, Excel), Internet

## **TRAINING COURSES AND CERTIFICATIONS**

- : Certificate Piping Stress Analysis by Caesar II, AUC (American University in Cairo).
- : Experience Certificate from VSA during GTL Project – Qatar.
- : Training course from GRP pipes vendor for VSA scope in GTL Project – Qatar.
- : Training course in GRP pipes installation for VSA scope in GTL Project – Qatar.
- : Training course in flange bolt tightening according to SHELL specification and ASME Slander for VSA scope in GTL Project – Qatar.
- : GRP Inspection Certificate from VSA consortium (SAREPLAST Company).
- : Flawless induction from shell Pearl GTL Qatar – VSA consortium.

## **CHRONOLOGICAL EXPERIENCE RECORD**

**Dates** : From Feb. 2016 till Jun. 2020  
**Employer** : (MHPS) MITSUBISHI HITACHI POWER SYSTEMS

**Project** : HARTHA Iraq 4 UNIT BOILER HARTHA POWER PLANT 4x200MW REHABILITATION (Change of Construction Process)

**Job title** : Mechanical Boiler Engineer MHPS

**Job Description** : Working as Boiler Maintenance and Construction Mechanical Engineer (Replacement of Boiler Work Pressure and None Pressure Parts such as Water Wall & Super heater & Reheat Elements & Gas Air Heater & Steam Air Heater & Combustion Equipments Burners & Igniters Static and rotating equipment & Piping Boiler Hydrostatic tests for pressure parts and preparation for (TOC) Turn over certificate with owner.

**Dates** : From Jan. 2016 till Feb. 2016

**Employer** : (MHPS) MITSUBISHI HITACHI POWER SYSTEMS - JAPAN - NAGASAKI Head Office

**Project** : Preparation for HARTHA Iraq 4 UNIT BOILER HARTHA POWER PLANT 4x200MW Rehabilitation (Change of Construction Process)

**Job title** : Mechanical Boiler Engineer MHPS (Boiler T/A)

**Job Description** : Scope of work: Preparation for Work and Time Schedules.

**Dates** : From Jan. 2014 till Nov. 2015

**Employer** : PGESCO

**Project** : 3x650MW Supercritical Boilers South Helwan Thermal Power Plant

**Job title** : Consultant Engineer for boiler contract at power block CP-105

**Job Description** : Consultant for all site activates with contractor as consultant member from PMC team.

**Dates** : From Jan. 2013 till Aug. 2015

**Employer** : SIEMENS

**Project** : New Capital Power Plant Combined Cycle 4800MW (has 8 Heat Recovery Steam Generator (HRSG), 4 Air Cooling Condenser (ACC), 4 STG, 8 GTG & WTP)

**Job title** : Mechanical Engineer (TFA) in charge for HRSG (BEP), GTG, STG, BOP piping

**Job Description** : Supervision all Manage pipe erection for all piping system critical and noncritical piping & Follow up piping activities with subcontractors to insure that the work as per drawing, to insure the quality, support for technical issues (erection procedure & DE blocking supports to cold position, details), insure the preservation of the materials and make Construction walk downs for each package to insure that all components (piping, valves and supports) is erected and as per ISO and P&ID & clear all punch list category (A & B & C) & Review Original TOP Documents to make it ready for pressure test And make Final walk down with Commissioning team To make it ready for chemical cleaning and Seam Blowing.

**Dates** : From Oct. 2009 till Dec. 2012

**Employer** : NBC (National Building Company)

**Project** : Onshore Maintain Potential Project Department Gas Upstream Project Division - UTMN 1934 & HARD 1153 & HWYH 2221 Gas wells

**Job title** : Site Manager

- Job Description** : Follow up All Pipelines Activates such as:
- Construction of remote kill line.
  - Construction of air blower line.
  - Construction of blow down line.
- Dates** : From Jan. 2007 till Aug. 2009
- Employer** : ACC – Al-Arab Contracting Company
- Project** : RKPP – RAS AL KHAIR Power and Desalination Plant – phase 1 (KSA)  
(consists of a Combined Cycle co-generation power and desalination plant 2400MW net power output (12x200MW Siemens SGT6-5000F Gas Turbine + 5x130MW Steam Turbines) (1050MW supply to SEC + 1350MW supply to MA 'Aden Aluminum Complex), RAZ-Phase 1 is provided in two Packages: Power (P) Package by the consortium Al Arab and SepcoIII (ASC) and the Desalination (D) Package by Doosan (DSC))
- Job title** : Senior Mechanical Engineer
- Job Description** :
- Observe site conditions.
  - Monitor and document construction works to ensure compliance with approved methods.
  - Provide assistance to Contractors as required.
  - Maintain records of inspections and works executed.
  - Observe and maintain site safety procedures.
  - Monitor and report on Contractor's progress.
- Dates** : From Jun. 2005 till Aug. 2006
- Employer** : KAHROMIKA MISR COMPANY FOR MECHANICAL & ELECTRICAL PROJECTS
- Project** : AL-SHABAB POWER STATION 1000MW (8x125MW GE frame PG 9171), CP-101 Gas Turbine (Simple Cycle)
- Job title** : Project Mechanical Engineer
- Job Description** :
- Responsible for supervising and construction activities according to applicable code, Contract Specification and Engineering Concepts.
  - Project Mechanical Construction Engineer.
  - Supervise all gas turbine installation activities (Mechanical works).
- Dates** : From Sep. 2004 till Mar. 2005
- Employer** : Al Jaber Transport & General Contracting WLL, Qatar
- Project** : Qatar Shell Pearl GTL Project (Gas to Liquid Plant), Ras Laffan Industrial City, Qatar
- Job title** : Senior Field Piping Engineer
- Job Description** :
- The main purpose job to contribute to the construction of Glass Reinforced Plastic GRP Piping Materials on site by providing technical guidance & expertise in the field of Fit up, Lamination & Fabrication to meet the client contract specifications.
  - Provide technical training to the site fitters & supervisors on Handling & all construction phases of GRP Piping materials.
  - Inspection of all associated activities related to GRP materials starting from the fabrication shop, construction & erection & hydro testing.
  - Site supervision for all piping erection & installation for different types of materials including CS, SS, Duplex SS, Incoloy & Inconel Alloys.

- Test Packages Coordination at site for Line Punching & clear all items from QC & Client Reps.
- Provide all types of missing materials for line completion including different piping components & piping supports.
- Coordinate with QC & Engineering to resolve all technical issues affecting site progress.

**Further experiences :** (MHPS) Mitsubishi Hitachi Power System - WALIDIA EGYPT BOILER UNIT 1 ASSIUT POWER PLANT 2x300MW REHABILITATION (Change of Construction Process) - Mechanical Boiler Engineer MHPS:

- Working as Boiler Maintenance and Construction Mechanical Engineer (Replacement of Boiler Work Pressure and None Pressure Parts such as Water Wall & Super heater & Reheat Elements & Gas Air Heater & Steam Air Heater & Combustion Equipments Burners & Igniters Static and rotating equipment & Piping Boiler Hydrostatic tests for pressure parts and preparation for (TOC) Turn over certificate with owner.
- Supervision all boiler activities during construction duration & observe for pressure part & Monitor and report on Contractor's progress & Air Leak Test and Hydrostatic tests for pressure parts and preparation for (TOC).

**Field of experience :**

- Experience of 16 years in Boiler and HRSG Maintenance and Constructions of Industrial Field Power Plants in Several Countries JAPAN & IRAQ & KSA & EGYPT (On & Off Shore).
- Working as Boiler Maintenance and Construction Mechanical Engineer (Replacement of Boiler Work Pressure and None Pressure Parts such as Water Wall & Super heater & Reheat Elements & Gas Air Heater & Steam Air Heater & Combustion Equipments Burners & Igniters Static and rotating equipment & Piping and Construction Engineer in several Companies that working in Fabrication and Erection of Pipelines, Steel Structure and Install Static and Rotating Equipment during Maintenances and Construction, Pre-Commissioning and Punch List Phase.
- Good knowledge of Codes as (ASME, ASTM, DIN and JIS ...etc.).
- Good knowledge of Various Types in Materials of Piping and Fitting Types, Pressure Schedule, Pressure Rating and Welding Types.
- Good knowledge of safety rules during construction activities.