

Holds a B. Sc. in Mechanical Power Engineering and PMP. Has over 10 years hands-on experience in the field of conventional and combined cycle power plants. Specialized in the commissioning and operation of gas turbines and steam turbines. Has a profound understanding of gas and steam turbines operation and the ability to comprehensively perform troubleshooting and fault tree analyses for root cause finding.

## **PERSONAL DATA**

Nationality : Egyptian  
Birth Date : 26/03/1986  
Gender : Male  
Marital Status : Married  
Residence : El-Shorouk, Cairo

## **EDUCATION**

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

## **LANGUAGES**

Arabic : Native Language  
English : Fluent

## **COMPUTER SKILLS**

: Windows, MS Office, Internet  
: AutoCAD  
: CFD software application  
: PDMS software application

## **TRAINING COURSES AND CERTIFICATIONS**

: PMI-PMP (Project Management Professional) (Sep. 2020).

## **CHRONOLOGICAL EXPERIENCE RECORD**

**Dates** : From Dec. 2016 till Jun. 2020  
**Employer** : Mitsubishi Hitachi Power System (MHPS), Kuwait  
**Project** : Doha West Power Plant Steam Turbines Rehabilitation, Kuwait  
**Job title** : Site Mechanical Engineer

**Job Description** : 

- Coordinating and monitoring site activities of Steam Turbines.
- Performing steam turbine commissioning activities post rehabilitation works (i.e. Oil flushing, mechanical major valves calibration, DEH adjustment, turbine start-up and No- Load and On-Load tests).
- Logistics co-ordination between MHPS and Ministry of Electricity and Water.
- Monitoring and ensuring Steam Turbine units sound operation.
- Performing troubleshooting for technically related issues.
- Working as a Warranty Engineer for steam turbines post the rehabilitation works during warranty period (extracting and analyzing operational data, checking all alarms events and monitoring steam turbines operational parameters).

**Dates** : From 2013 till Aug. 2016

**Employer** : Kharafi National Company, Kuwait

**Project** : Sabiya-OCGT-08 Siemens Project (250MW x 2) Frame 4000 F ver.8, Kuwait

**Job title** : Senior Mechanical Engineer

**Job Description** : 

- Full responsibility for Installation, Commissioning & Start-up of mechanical equipment.
- Full responsibility for operation activities which included the stationery & rotating parts (Gas Turbine, Pumps, Gas Compressors, Heat Exchanger, ...etc.).
- Checking and confirming that work scope is per the P&ID and Contract Specifications.
- Coordinated and monitored site inspection and erection activities of Siemens gas turbine auxiliary skids and internal piping of gas turbine (lube oil system, fuel oil system, lifting oil system, blow off system, turbine cooling system, air control system, fuel oil system fuel gas system, air control system HCO system, hydraulic system, ...etc.
- Coordinated and monitored site inspections and erection activities for GT Generator such as Alignment, fixator, grouting, bolts tightening, collector assembly, honing rotor run out, etc.
- Coordinated and monitored site inspection and erection activities for air intake (inner cone, outer cone, ducts, plenum panels, silencer, elbow ducts, evaporative cooling system, wet compression system, anti-icing system, air intake filter, expansion joints, piping hydro test and Piping pneumatic test).
- Coordinated and monitored site inspection and erection activities for rotating equipment's pumps, compressor (setting up and fixing, pre-alignment, piping connection, final alignment and final confirm inspection).
- Coordinated and monitored site inspection and erection activities of static equipment's (setting up and fixing level inspection, piping connection, final confirm inspection).
- Ensured that the Mechanical completion of Equipment were in accordance with contract specifications.
- Inspected materials/equipment supplied from vendor and ensured that they complied with the purchase orders.
- Inspected all materials and equipment used for permanent construction for compliance with contract, plans and specifications.

- Promoted quality and safety consciousness among workers.
- Followed up the non-conformance reports, site inspection reports and site observation reports and coordinating for appropriate corrective actions.
- Reviewed all Isometrics and P&ID drawings to prepare fabrication and erection plans.
- Worked as Technical Engineer to follow up and update the project's logs and prepared as built isometric drawing.
- Worked as a Technical Engineer to prepare hydrostatic test packages and creating the punch list.
- Line-up for reinstatement and closed bunch list items as per project's specifications.

**Dates** : From Mar. 2010 till 2013

**Employer** : Kharafi National Company, Kuwait

**Project** : Sabiya CCGT GE Project (6 GT`s x 220 + 3 ST`s x 220) GE Frame 9FA, Kuwait

**Job title** : Mechanical Engineer

**Job Description** :

- Performed mechanical installation of Gas Turbine units and the Steam Turbine units according to construction drawings.
- Followed piping installation as per the isometric drawings and design P&I diagrams.
- Quality control for mechanical equipment and piping installation.
- Witnessing Hydrostatic and Pneumatic tests.
- Witnessing and supporting pre-commissioning activities (lube oil flushing, gas oil flushing, etc..).
- Supporting start-up and commissioning activities for dual Fuel, gas turbine system, liquid fuel, gas fuel, seal oil, lubrication oil, water injection, evaporative cooling, CO2 fire protection, over speed trip tests, first firing performance test, emission test and acoustic test.
- Supporting the Steam Turbine commissioning activities such as oil flushing and over speed test.