

# 102228-MEC-14CMQSn-E-2007

## Senior Mechanical Maintenance Engineer

Holds a B. Sc. in Mechanical Engineering and has more than 14 years of experience in the construction, commissioning and maintenance of a variety of EPC projects involving HVAC, Rotating Equipment. Responsibility included site supervision, site management, commissioning execution commissioning management, planning and coordination of various disciplines. With in-depth knowledge of HSE standards and codes.

### PERSONAL DATA

Nationality : Egyptian  
Gender : Male

### EDUCATION

: B. Sc. in Mechanical Engineering, Alexandria University, 2007

### LANGUAGES

Arabic : Native Language  
English : Good

### COMPUTER SKILLS

: Windows, MS Office (Word, Excel, Power Point), Internet  
: MS Project  
: AutoCAD 2D & 3D

### TRAINING COURSES AND CERTIFICATIONS

- : Training at MANTRAC (Jun./Jul. 2009).
- : Training for new engineers in ABU QIR Training Center, WDEPC (Aug./Sep. 2005).
- : Certificate of successful Completion from SA International technical Training for attending and successfully completing the thirty (30) hours for ASMEB-313 PROCESS PIPING and successfully completing the thirty (30) hours for ASME B31.3 PROCESS PIPING (Jun. 2011).
- : Offshore Operation and Maintenance training course for steam turbine generators and Condensers of Abu Qir Thermal Power Plants 6 & 7 (2x650MW) Gas/oil Fired Units which was held in Japan under the direction of Mitsubishi Heavy Industries (Nov. 2011).
- : Offshore Operation and Maintenance training course for steam turbine generators and Condensers of Abu Qir Thermal Power Plants 6 & 7 (2x650MW) Gas/oil Fired Units which was held in Japan under the direction of Mitsubishi Electric Corporation (Nov./Dec. 2011).

- : On-shore Operation and Maintenance Training course for Abu Qir Thermal Power Plants 6 & 7 (2x650MW) Gas/oil Fired Units which was held in Abu Qir Thermal Power Plant Site under the direction of Mitsubishi Heavy Industries Ltd Nagasaki Shipyard & Machinery Works (Feb. 2012 – Apr. 2012).

## CHRONOLOGICAL EXPERIENCE RECORD

- Dates** : From Jun. 2019 till now
- Employer** : WDEPC
- Project** : New Abu Qir Power Plant 2x650MW
- Job title** : Senior Mechanical Maintenance Engineer
- Job Description** :
- Lead and supervise all work activities for Rotating & Static Equipment and all other mechanical systems and coordinate with other departments and teams.
  - Planning strategies, schedules, and procedures.
  - Carrying out preventative routine maintenance.
  - Diagnosing breakdown problems and responding to equipment faults.
  - Perform quality checks and prepare reports and related documents.
  - Control and follow tools, materials, and spare parts stock.
  - Responsible for commissioning and start-up of the mechanical facilities.
  - Carry out inspection of the facilities to identify and resolve issues.
  - Coordinate maintenance resources across facilities.
  - Providing technical leadership and expertise to the commissioning and at engineering core and construction interfaces.
  - Rotating Equipment:
    - Steam Turbines (MHI & Siemens) and all auxiliaries.
    - Pumps: Centrifugal vertical, horizontal, and Positive displacement.
    - Compressors (Reciprocating Centrifugal).
  - Static Equipment:
    - Heat Exchangers (LP and HP Heaters - Coolers).
    - Piping Systems, valves, filters, strainers, and all piping components.
    - Pressure vessels, tanks, and separators.
  - Other systems:
    - Desalination water plant, Water, and wastewater treatment plant.
    - Hypochlorite and Hydrogen production plants.
    - Hydro, Seat closure, and function test inspector for Manual, Motorized and Control Valves manufactured by KSB.
  - Monitoring & Supervision for Maintenance of Rotating, Static Equipment, Firefighting and HVAC such as:
    - Steam Turbine and generator: Mitsubishi heavy industries, LTD (2x650MW) (Three Cylinder HP-IP, LP1 and LP2 with 24KV generator hydrogen and stator cooling water system and turbine auxiliaries).
    - Piping System (Main Steam Critical System – Non-Critical System – Lube System – Chemical Feed System).
    - Feed Water pumps (Booster pump – Boiler feed turbine pump).
    - Centrifugal Pumps (Single Stage – Multi Stages).
    - Axial Flow Pumps, Vertical & sump Pumps.
    - Positive Displacement Pumps (Gear – Piston -Screw).

- Air Compressors (Reciprocating – Centrifugal), Air Receiver & Air Dryers).
- Heat Exchangers (Heaters – Coolers).
- Different types of Valves, etc.
- Competent in understanding and adhering to plans and diagrams.
- Liaising with clients and other engineers to ensure projects are completed to specifications.
- Setting up activity description-logic relationships-resources / vendor support / special tools temporary facilities-duration.
- Review all Cutting and welding activities for valves, pipes, and flanges for repair or replacement according to standards (ASME, API and ASTM) and review all WPS, PWHT and NDT.

**Dates** : From Jun. 2017 till Jun. 2019

**Employer** : Egyptian Petrochemicals Co.

**Job title** : Senior Mechanical Maintenance Engineer

**Job Description** :

- Supervise and follow installations and commissioning of new equipment.
- Supporting the commissioning manager with technical, planning, and executing management.
- Managing all activities within the matrix organization jointly and in collaboration with other discipline leads and the Commissioning Manager.
- Knowledge of risk assessments and safe systems of work, able to interpret and advocate site policies and procedures to other workers with minimum supervision.
- Respond promptly and effectively to changing circumstances, planning for contingencies, and managing conflicting priorities.
- Develop Operation & Maintenance Procedure and ensure implementation.
- Plan and oversee all repair and installation activities.
- Monitor spare parts inventory and place orders when necessary.
- Manage relationships with contractors and service providers.
- Keep maintenance logs and report on daily activities.
- Ensure health and safety policies are complied with.

**Dates** : From Jan. 2016 till Jun. 2017

**Employer** : WDEPC

**Project** : New Abu Qir Power Plant 2x650MW

**Job title** : Senior Mechanical Workshop Engineer

**Job Description** :

- Creation and update of a personnel chart for each workshop division.
- Liaison with the administration of workshop employees for their personal or work-related problems.
- Control of all employees in the workshop divisions, including the senior supervisor.
- Manage all work entire central workshop as well as the calculation, and measurement of the volume and scope of work entering the workshop.
- Distributing the tasks to the division supervisor.
- Selecting the correct machine/equipment for the proper workflow.
- Ordering of all materials and tools for the workshop.

- Liaising in regular contact with all discipline.
- Solving all issues with departments relating to work.
- Responsible for all workshop equipment.
- Ensuring that administration and communication systems and procedures function correctly.
- Implementing and supporting effective working practices and systems as required to continuously improving work scope.
- Frequent visits to the Site for data collection from Assets/Equipment.
- Provide the request and order materials for the workshop when necessary.
- Applying the training of all workshop personnel when necessary.
- Ensuring that all safety rules are followed at all times and maintaining a clean workshop.
- Ready for being on call in case of emergency.
- Develop plans and special programs, monitor, and guarantee that the station's service workshop does its job.
- Providing the essential tools and equipment to execute the workshop's task, such as turning, cutting, and welding.
- Supporting all elements of the organization's health, safety, security, and environmental aspect.

**Dates** : From Jan. 2011 till Jan. 2016  
**Employer** : WDEPC  
**Project** : New Abu Qir Power Plant 2x650MW  
**Job title** : QA/QC Site Mechanical Engineer  
**Job Description** :
 

- Ensure assigned Jobsite operations are in compliance with contract specifications, P&ID drawings, and Isometric, completed on schedule, within budget, and to quality standards.
- Review and close contract documentation, check and receive materials and spare parts at the site, monitor & Supervision the Installation, and commissioning for the following packages:
  - All Mechanical equipment, Critical and non-critical piping Erection and installation for all piping systems, and commissioning for all mechanical equipment like pumps, and compressors.
  - Valves and all Piping components (supports).
  - Feed water Heaters LP and HP Heaters.
  - Desalination and Water treatment plants include all mechanical equipment and piping.

**Dates** : From Jun. 2009 till Jan. 2011  
**Employer** : WDEPC  
**Project** : New Abu Qir Power Plant 2x650MW  
**Job title** : Tendering Mechanical Engineer  
**Job Description** : Design review of contract:
 

- Water & WASTEWATER Treatment System (CP-111).
- Feed Water Heaters (PO-110).
- Critical piping & valves (PO-112).
- Civil Work (CP-102).
- Intake, Discharge, and Related Works (CP-119).

- STEAM TURBINE GENERATORS AND CONDENSERS (CP-106).