

**104823-MEC-14MSY-E-2009**  
**Mechanical Maintenance Section Head**

Holds a B. Sc. in Mechanical Power Engineering and has over 13 years' experience working in maintenance and commissioning at power plants and fertilizers projects.

## PERSONAL DATA

Nationality : Egyptian  
Birth Date : 10/02/1986  
Gender : Male  
Marital Status : Married  
Residence : Mansoura

## EDUCATION

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

## LANGUAGES

Arabic : Native Language  
English : Very Good

## COMPUTER SKILLS

: Windows, MS Office, Internet  
: AutoCAD

## TRAINING COURSES AND CERTIFICATIONS

: AutoCAD 2013  
: Translating foreign contracts.  
: Combined Cycle Power Plant P&ID.  
: Project Management course.  
: Analysis of mechanical failure.  
: Prevention and control against fire hazards.  
: On-scene commander.  
: Rigging and slinging basic.  
: Rigging and slinging advanced.  
: AutoCAD 2006 "CAD software application course".  
: English course.

# CHRONOLOGICAL EXPERIENCE RECORD

**Dates** : From Dec. 2019 till now  
**Employer** : Scimitar Production Egypt  
**Project** : Ras Gharib, Red Sea, Egypt  
**Job title** : Mechancial Maintenance Section Head  
**Job Description** :

- Developed a planned preventive maintenance (PPM) schedule and a check list of each equipment in the field to ensure full preventive maintenance is carried out.
- Established and Implemented maintenance procedures for all planned and unplanned maintenance activities to aid and improve safe operational performance.
- Established Lifting plans for all field mechanical lifting activities to ensure that lifting operation is properly managed.
- Conducted risk assessments and bow-ties of all maintenance activities and tasks in the department.
- Set department objectives and key performance indicators (KPIs) for each area of responsibility and review and assess ongoing performance of direct reports.
- Identified safety critical elements and ensure routine calibration and maintenance of SCE are undertaken according schedule.
- Lead a team of 17 technicians to troubleshoot and repair oil field equipment to minimize down time.
- Reviewing tenders and contracts for major overhauls & shutdowns.
- Produce written reports and make presentations.
- Ensuring availability of 1 year spare parts for new equipment.
- Supervising assembly, installation and commissioning of pump jacks on oil wells.
- Saved 10,000\$ by repairing out of service pump jack using repaired spare parts.
- Reduced the maintenance budget by 15% by reducing the consumption of spare parts and re-repairing or manufacturing spare parts.
- Established development plans and necessary training program for maintenance crew to improve skills and competency.
- Manage contractors on site (Lufkin, Petro-vention, Schlumberger, ...) to ensure they meet legal, safety and company requirements.

**Dates** : From Apr. 2019 till Nov. 2019  
**Employer** : Eccomec  
**Project** : Ain Sokhna Phosphatic Fertilizer Complex  
**Job title** : Rotating Equipment Commissioning Engineer  
**Job Description** :

- Static Equipment: Tanks – Filters – Combustion Chamber – Strainers – Heaters – Valves – Steam traps – Scrubbers – Cyclones – Boiler.
- Rotating Equipment: Pumps – Elevators – Drums – Fans – Agitators – Turbine – Conveyors – Mills – Process screen – Polishing screen – Gear boxes.
- Ensuring that the installation of the mechanical equipment, systems and subsystem has been completed in accordance with designed requirements and specifications.
- Drawing up and performing plans for the equipment preservation, in

order to prevent any deterioration before the handover to the Employer.

- To act as a liaison with the vendor's representatives.
- Supporting to the Commissioning Phase in achieving the Mechanical Completion Schedule.
- Administer the mechanical manpower and technical resources so that they can be shared suitably among the different Pre-commissioning system groups.
- To administrate support for troubleshooting and manpower during the phases of Start-up, and Performance Test (Commissioning Phase) up to the project handover stage.
- Coordinating the Mechanical Commissioning activities, particularly for rotating and static equipment, both in the planning and the execution phase.
- Assuring that the Pre-Commissioning and Commissioning Activities have listed-up the materials, special tools, and required vendor support for a safe and efficient execution.
- To ensure that the relevant permit to work when required.

**Dates** : From Dec. 2018 till Mar. 2019  
**Employer** : Doosan Power Systems  
**Project** : Rabigh 2 Thermal Power Plant 2100MW – KSA  
**Job title** : Mechanical Maintenance Engineer  
**Job Description** :

- Equipment: Steam Turbine – Generator – Heat exchangers – Steam Valves – Filters – Pumps.
- Supervision, monitoring and coordinating of all shutdown activities which include maintenance, inspection and testing of power plant.
- Coordination and liaising with owner for shutdown preparation and activities.
- Close supervision, coordinating and overhaul of 700MW steam turbines.
- Close supervision, coordinating and overhaul of 700MW steam turbine Generator.
- Overhaul, servicing and inspection of all plant pumps.
- Maintenance of all major static equipment like heat exchangers, valves, and oil tank.
- Hydro testing for generator shell and tube heat Exchangers.
- Supervision of scaffolding erection safe for use.
- Final handover of shutdown activities and documents.

**Dates** : From Jun. 2010 till Nov. 2018  
**Employer** : Middle Delta Electricity Production Company  
**Project** : Talkha Combined Power Station 750MW  
**Job title** : Mechanical Maintenance Engineer  
**Job Description** :

- Equipment: Steam Turbine – Generator – Heat exchangers – Steam Valves – Filters – Pumps – HRSG.
- Create plant maintenance procedures.
- Plan routine maintenance of plant equipment.
- Analyze breakdowns, diagnose faults and supervise time critical equipment repairs.
- Intervening immediately in the event of breakdowns, failures or malfunctions.

- Supervising technical staff.
- Documenting maintenance activities.
- Managing stocks of supplies and spare parts.
- Provide timely and accurate internal and external reports.
- In charge of steam turbine medium inspection (May 2011).
- Responsible for the contract of spare parts for the plant as well as technical inspection and receipt of spare parts of steam turbines and all auxiliary equipment.
- In charge of power plant warranty inspection (Jan. 2012).
- In charge of Flowserve circulating water pump major inspection of Talkha Power Station (Mar. 2012).
- In charge of low-pressure turbine steam valve (ADAMS MAK NDK 500) inspection and testing (May 2013).
- In charge of steam turbines Major inspection (Oct. 2013).
- In charge of steam turbines Major inspection (Oct. 2014).
- Responsible for plant medium inspection (Oct. 2016).

- Field of experience :**
- Bringing knowledge of multiple industries (Energy, Construction, Fertilizers and oil production).
  - Lead maintenance crafts and major overhauls on numerous projects.
  - Specialize in maintenance of rotating equipment such as Pumps (Centrifugal, Screw, Vane, Plunger, Diaphragm and LRV), Compressors, steam turbines, oil pump jack and valves (Gate, globe, ball, check, diaphragm, safety, and butterfly).
  - With over 13 years of progressive experience in the field.