

Holds a B. Sc. in Mechanical Power Engineering and has over 8 years hands-on experience working in oil and gas, steel industries maintenance systems.

## **PERSONAL DATA**

Nationality : Egyptian  
Birth Date : 01/06/1990  
Gender : Male  
Residence : Suez

## **EDUCATION**

: B. Sc. in Mechanical Power Engineering, Benha University, 2012

## **LANGUAGES**

Arabic : Native Language  
English : Excellent

## **COMPUTER SKILLS**

: Windows, MS Office, Internet

## **TRAINING COURSES AND CERTIFICATIONS**

- : Vibration Analysis Introduction, Suez Engineering Syndicate.
- : Bearing Technology and Maintenance, Suez Engineering Syndicate.
- : Centrifugal pump operation and maintenance, Suez Engineering Syndicate.
- : Advanced bearing course at SKF.
- : Billet caster mech. & hydraulic maintenance - DANIELI Training Center.
- : Advanced hydraulic circuits - Faculty of Engineering, Cairo University.
- : Material classification and selection, Suez Engineering Syndicate.
- : Introduction for rotating equipment, Suez Engineering Syndicate.
- : Turbo machinery diploma at Egycet, Engineering Syndicate (Cairo).
- : Firefighting Training, General Directorate for Human Resources Development (SOPC).
- : Revit MEP 2012
- : Internet, Word, Windows, Excel, Access
- : Power BI
- : Egyptian Fertilizers Company (EFC) (3 months):
  - Training in turbo machinery maintenance department (centrifugal pumps)

- screw pumps - steam turbines - centrifugal compressors - rotary compressors - bearings and mechanical seal, sealing systems, gear boxes).
- Training in general maintenance department (valves, heat exchangers, boilers, vessels, separators).

## CHRONOLOGICAL EXPERIENCE RECORD

**Dates** : From Apr. 2019 till now

**Employer** : Egyptian Steel Company NPSS

**Job title** : Steel Making Plant Mechanical Section Head

**Job Description** :

- Responsible for preparing & proposing accurate annual budgets for management approval to implement the operational plan effectively and managing maintenance activities within the allocated budgetary provisions to ensure cost effectiveness.
- Responsible for planning and execution of RCM system strategy for scheduled Preventive, predictive and corrective maintenance, major repairs to optimize production & reduce downtime.
- Supervise and monitor the performance level of the staff for ensuring accomplishment of target.
- Preparing to deal with Maintenance Management system software (CMMS) (Sap and DMMS).
- Follow up and order the spare parts for all SMP equipment.
- Develop a highly competent and motivated work force, prepare staff reports, task and Targets, development plan, training and leave schedules.

**Dates** : From May 2018 till Apr. 2019

**Employer** : Egyptian Steel Company NPSS

**Job title** : Steel Making Plant Mechanical Senior Engineer

**Job Description** :

- Guide and perform the maintenance activities and repairs of static and rotating equipment, hydraulic systems installed in the facility including pumps, compressors, and belt conveyors to ensure safe, reliable, and continuous plant operations.
- Ensuring that all activities performed to conform to the company's policies & procedures, health, safety, environmental, quality, process safety, regulatory, and corporate standards & controls.
- Recommending, establishing, and updating spare parts requirements.
- Preparing to deal with Maintenance Management system software (CMMS) (Oracle, SAP).

**Dates** : From May 2016 till May 2018

**Employer** : Ezz Flat Steel Company

**Job title** : Thin Slab Caster Mechanical & Hydraulic Senior Engineer

**Job Description** :

- Responsible for inspection, repair, troubleshooting and defining job methods and studies for repetitive and important jobs.
- Establishing and Monitoring the preventive and corrective maintenance plans for all Thin slab caster and Billet continuous Casting machine mechanical and hydraulic equipment.

- Complete overhauling and routine maintenance for different types of pumps (centrifugal, gear, piston, screw).
- Recommending, establishing, and updating spare parts requirements.
- Preparing to deal with Maintenance Management system software (CMMS) (oracle).
- Follow up and order the spare parts for all TSC and BCCM equipment.
- Responsible for maintenance of Thin slab casting machine and Billet continuous Casting machine mechanical and hydraulic units.

- Dates** : From May 2014 till May 2016
- Employer** : E.D.F. (Electricité De France)
- Project** : Suez Gulf Power Station
- Job title** : Mechanical Maintenance Engineer
- Job Description** :
- Carry out maintenance activities for plant equipment:
    - Steam Turbines (TOSHIBA – 2x342MW).
    - Boiler Feed Water Pumps.
    - Sea water pumps.
    - Compressors.
    - Boiler Fans.
    - Boilers and Auxiliaries (Foster Wheeler).
  - Root Cause analysis for equipment and diagnostic of required maintenance work.
  - Performing predictive and Preventive maintenance activities.
  - Undertake effective planning and prioritization of workload for maintenance activities.
  - Operate plant common auxiliaries such as:
    - Auxiliary boiler (Babcock & Wilcox, water tube, 45 t/hr).
    - Gas turbine (TumaTurbo Mach S.A, 18MW).
    - Emergency diesel (1MW).
    - De-mineralized water plant (Metito Co.).
    - Desalinated water plant.
    - Chlorination plant.
    - Compressors (Comp Air, Atlas Copco).
    - Chillers (Bitzer), Dryers, H2 Generation unit (PEM, Proton Exchange Membrane).
  - Member of ERT (Emergency Response Team).
- Field of experience** :
- Proficient working knowledge of design, installation & repair, inspection, and testing techniques of rotating and static equipment maintenance.
  - Proficient working knowledge of preventive, predictive and RCM maintenance techniques.
  - Previous experience working with CMMS systems; preferably, Oracle and Sap.
  - Certified root cause analysis facilitator.
  - Proficient in BI data analysis using Excel, Power BI, google studio.