

Holds a B. Sc. in Mechanical Engineering and has more than 2 years hands-on experience working in maintenance field.

PERSONAL DATA

Nationality : Egyptian
Birth Date : 10/09/1991
Gender : Male
Marital Status : Married
Residence : Alexandria

EDUCATION

: B. Sc. in Mechanical Engineering, Alexandria University, 2013

LANGUAGES

Arabic : Native Language
English : Very Good

COMPUTER SKILLS

: Windows, MS Office (Word, Excel, Power Point), Internet
: AutoCAD
: Solid Works
: Matlab (Programming & GUI)
: Computerized Maintenance Management System (CMMS)

TRAINING COURSES AND CERTIFICATIONS

: Heating, Ventilating & Air Conditioning (HVAC) Design Systems.
: Fire Fighting Design Systems.
: Welding Technology.
: Non-Destructive Tests (PT & MT).
: Summer Internships:

- Arab Petroleum Pipeline Company (SUMED): Dealing with Pumps, Oil tanks, Mechanical seals, Flow Control Systems (2 weeks, summer 2012).
- Sidi Krir Power Plant: Dealing with Steam boilers, Steam turbines, Gas turbines, Steam Condenser, Hydraulic Pumps (3 weeks, summer 2011).
- The Petroleum Projects & Technical Consultations Co. (Petrojet): Dealing with different types of inspection on welding and welding

specification, engineering manufacturing steps and methods of preparation SHOP DWG (2 weeks, summer 2011).

- Egyptian Company for shipbuilding: Dealing with operation & maintenance of diesel & hydraulic engines (3 weeks, summer 2010).

CHRONOLOGICAL EXPERIENCE RECORD

- Dates** : From Dec. 2017 till now
- Employer** : EMC
- Project** : Rashpetco Site, Idku
- Job title** : Turbo Machinery Engineer
- Job Description** : For PGT25+ (5 train turbo compressors 2BCL606), SGT-400 (2 train turbo compressors STC-SP) & SGT-300 (3 train turbo generators), I'm responsible for the following:
- Routine Activities:
 - Monitor the operational performance of the gas turbines, running parameters and auxiliaries operations using PLC Control (Mark VI, Bentley Nevada & Allen Bradley).
 - Provide daily status report for all engines using CMMS.
 - Perform PTW meeting with issuing area authority and safety engineer to discuss the scope of work, risk assessment & safety requirements.
 - Perform advanced maintenance management, troubleshooting, field activities, and maintenance activities for all gas turbines including all auxiliary systems as the following:
 - ❖ Carry out Weekly PM Activities for PGT25+, SGT-400 & SGT-300.
 - ❖ Carry out 1000 Hr. PM & Offline water wash Activities for PGT25+, SGT-400 & SGT-300.
 - ❖ Carry out 20000 Hr. PM (Borescope Inspection, Oil filter replacement, VSV Gap check, Igniters check, HP Recoup orifice size recalculation, Air filter house inspection, Oil chip detectors operation Check, Bleed valve operation check) for PGT25+, SGT-300 & SGT-400.
 - ❖ Carry out minor inspection 25000 Hr. PM (Replacement for Journal bearings, Thrust bearing, Dry Gas Seals, Barrier Seals & Labyrinth seals) for centrifugal compressors 2BCL606 & STC-SP.
 - ❖ Carry Out Major Inspection 50000 Hr. PM (Bundle Stripping & Dye penetrate Test For casing diaphragms and shaft rotor) for centrifugal compressors 2BCL606 & STC-SP.
 - Corrective Maintenance:
 - Thrust bearing replacement & hot section inspection for SGT-300 due to high temperature of active side Pads.
 - Replacement of the 1st stage Nozzles & blades of HSPT for PGT-25+ due to cracks founded during Borescope Inspection.
 - Replace DGS for STC-SP compressors due to primary vent pressure high.

Dates : From Sep. 2016 till Dec. 2017

Employer : Sukari Gold Mine (SGM), Marsa Allam

Job title : Maintenance Planning Engineer

Job Description :

- Planning and scheduling of maintenance works for Power Station Area (5 x MAK Engines 7.5MW & 5 x Wartsila Engines 7.5MW) & Fixed Plant Area (Primary Crushers, Secondary Crushers, Pebble Crushers, SAG Mills, BALL Mills, Re grind Mills, etc.) using Mainpac (CMMS) as a primary tool for work orders & requisitions management.
- Run weekly planning/scheduling meetings with supervisors to discuss backlog, ongoing & long-term jobs then release the weekly plan for the following week.
- Ensuring that inventory items are available in readiness for planned maintenance activities and requisitioning parts from suppliers as required.
- Raise Application for New Stock Item (ANSI) to inventory team with full item description and determine the Min/Max levels depend on annual consumption and supplier's lead time.
- Prepare all required KPI's for equipment and formulate required reports like EOW, EOM & cost report.
- Follow up the progress of outside services & contractor works and Raise Job completion form to payment team.