

# 103481-MEC-48CMOSYq-E-2011

## Rotating Equipment Engineer

Holds a B. Sc. in Mechanical Power Engineering and has over 5 years hands-on experience in working as Rotating Equipment Engineer in Oil & Gas Plants.

### PERSONAL DATA

Nationality : Egyptian  
Birth Date : 13/12/1989  
Gender : Male  
Residence : Port Said

### EDUCATION

: B. Sc. in Mechanical Power Engineering, Port Said University, 2011

### LANGUAGES

Arabic : Native Language  
English : Fluent

### COMPUTER SKILLS

: Windows, MS Office, Internet  
: AutoCAD 2D & 3D  
: MAXIMO  
: Pipe flow expert software

### TRAINING COURSES AND CERTIFICATIONS

- : Design and Construction of Piping Systems (AUC) (Dec. 2016): the training aim to give an understanding of the basic concepts of Piping systems design, piping stresses, different piping codes, hydraulic calculations and pump selection.
- : Operation and Maintenance of turbo expanders (Oil & Gas Skills): the training aim to give an understanding of the basic components of turbo expander and its operation (Nov. 2014).
- : Lifting Rigger & Banksman Level 1 (Lloyd's British): the training aim to give a detailed overview on multiple lifting equipment and lifting safety (Oct. 2014).
- : Mechanical Failure Analysis (Cairo University): the training aim to give an understanding for the causes of failure of different mechanical equipment (Aug. 2014).
- : Applications of programmable logic controllers (PPC Training Center): the training aim to give advanced knowledge in Siemens PLC system and practicing some examples (Apr. 2014).

- : Programmable logic controllers basics (PPC Training Center): the training aim to give a detailed overview on Siemens PLC system and programming by ladder diagram (Mar. 2014).
- : Basics of diesel engine maintenance (MAZ Training Solutions): the training aim to give a detailed overview on basic components of diesel engine and the basic engine cycles (Jul. 2011).
- : Occupational safety and health standards for general industry: the training aim to give an overview on the types of hazards and the different personal protecting equipment (Mar. 2011).
- : Advanced hydraulic systems (MAZ Training Solutions): the training aim to give advanced information about hydraulic systems and its troubleshooting (Feb. 2011).
- : Basic hydraulic systems (MAZ Training Solutions): the training aim to give a detailed overview on the basics of hydraulic systems and different circuits components (Feb. 2011).
- : Basics of Heavy Machinery (Heavy Machinery Training Center): hands-on training aimed to give an introduction to the maintenance of different earth moving Equipment (Jun. 2010).
- : Basics of hydraulic systems course (Suez Canal Container Terminal): short hands-off training to give an introduction on hydraulic fluid power systems and its different components (Feb. 2010).
- : Basics of diesel engine course (Suez Canal Container Terminal): short hands-off training to give an introduction on diesel engine and its different components and cycles (Feb. 2010).
- : PLC beginners level (Electro-Hydraulic Automation): the training aim to give a detailed overview on PLC architecture and hardware and building ladder diagram (Aug. 2009).
- : Seminars:
  - Brand Yourself at the Information Technology Institute (ITI), Smart Village.
  - Participated in Siemens INDAC Automation Completion (2011).

## CHRONOLOGICAL EXPERIENCE RECORD

- Dates** : From Dec. 2013 till now
- Employer** : Gulf of Suez Petroleum Company (GUPCO)
- Project** : Upgrading of the 4W1A turbo-compressor from 8MW unit to 10MW unit:
- Replacing the old MAN THM 1304-8 (8MW) Gas turbine engine by a THM 1304-10P (10MW).
  - Install the new drain system.
  - Upgrading the old solid state control system to the new PLC Siemens S7 400 control panel.
  - Commissioning and start-up of the new machine.
- Job title** : First Gas Turbines Maintenance Engineer
- Job Description** :
- Fill out PTW (permit to work) as applicant for activities executed by technicians when required.
  - Implementing the HSE standard and safety procedures.
  - Responsible for modifying and applying the corrective and preventive maintenance programs for all rotating equipment and some static equipment.
  - Condition monitoring, troubleshooting and root cause analysis of all rotating equipment.

- Responsible for the planning and execution of major overhauls on Gas turbines, centrifugal compressors, Turbo-expanders and other plant rotating equipment.
- Prepare technical reports as required.
- Follow up using MAXIMO to manage work orders, Inventory and spare parts ordering.
- Perform troubleshooting and all maintenance activities related to the Instrumentation and control systems of all the gas turbines.

**Dates** : From Jan. 2012 till Dec. 2013

**Employer** : International Environmental Technologies Company (INTECH)

**Project** : Expansion of Al-Shabab BWRO Desalination Plant:

- Increase the number of brackish water feed wells.
- Installing three bigger feed pumps, Installing ten new Multi-media filters and the complete pretreatment chemical dosing system.
- Increasing the number of pressure vessels of each RO skid to increase the capacity of each unit from 1000 m3/day to 3000 m3/day.
- Increasing the capacity of permeate delivery pumps.
- Make the necessary piping and modifications.
- Commissioning and start-up of the new plant.

**Job title** : Operation & Maintenance Engineer

**Job Description** :

- Monitoring of the plant operating conditions.
- Carry out the preventive maintenance activities such as (Lubrication, Multi-Media Filters Backwash ...etc.) according to the specific time-schedule.
- Writing formal problem identification report.
- Apply the corrective maintenance to various pumps used in the Plant single stage, multistage centrifugal pumps and chemical dosing pumps.
- Apply the corrective maintenance to the plant piping system.

Technical Skills:

- P&ID.
- Rotating equipment.
- AutoCAD.
- Troubleshooting.
- Commissioning.
- Equipment selection.
- PLC & instrumentation.