

**100595-MEC-MO-E-2000**  
**Rotating Equipment Engineer**

Holds a B. Sc. in Mechanical Power Engineering and has about 14 years hands-on experience working in operation, troubleshooting, repair, maintenance and overhauls.

## PERSONAL DATA

Nationality : Egyptian  
Birth Date : 01/01/1978  
Gender : Male  
Marital Status : Married  
Residence : Currently KSA

## EDUCATION

: B. Sc. in Mechanical Power Engineering, Alexandria University, 2000

## LANGUAGES

Arabic : Native Language  
English : Fluent  
French : Fair

## COMPUTER SKILLS

: Windows, MS Office (Word, Excel, Power Point), Internet  
: AutoCAD

## TRAINING COURSES AND CERTIFICATIONS

- : RASHPETCO Safety Department (Rashpetco Site):
  - Permit to Work procedure, Risk Assessment.
  - Certificate of competence, CAMS competence assured, 2014 BG GROUP.
  - Comprehensive and advanced bearing selection (SKF).
  - Centrifugal Compressors Performance and Maintenance.
  - Turbines Operation and Maintenance.
  - OSHA 30 HRS General Certificates.
  - Hydraulic Equipment and Circuits.
  - HVAC Basic knowledge.
- : First Company (Rashpetco Site): Global Maintenance Solution GMS (on-job training).
- : Attending training course regarding Safety issues, 200 H, according to OSHA standards.

- : Certificate from NAVSEA (Naval Sea Systems Command, USA) in Diesel Engines overhauls.
- : BOSIET "basic off-shore safety induction and emergency training", Arab Academy for Science & Technology.
- : NEBOSH certification on NEBOSH award HSW (Health & Safety at Work).
- : Certified Vibration CAT I, Mobius Institute – Reliability Improvement and Condition Monitoring Training.

## CHRONOLOGICAL EXPERIENCE RECORD

- Dates** : From Jun. 2015 till now
- Employer** : Saudi Aramco, Yanbu NGLFD, Maintenance Engineering & Reliability Unit
- Job title** : Rotating Equipment Engineer
- Job Description** :
- Lead the team for performance improvement of rotating Equipment through design review, system upgrades of air compressors, gas turbines generators, Pumps and other process equipment.
  - Monitor the critical equipment performance through monitoring the process, equipment operating parameters.
  - Participate on RCA of the equipment; generate the necessary recommendations to avoid such failures and increase the equipment reliability and availability.
  - Supervise the major maintenance activities of the critical equipment, Review the SOW and maintenance procedure.

- Dates** : From Mar. 2005 till Jun. 2015
- Employer** : Rashid Petroleum Co. (RASHPETCO)
- Projects** :
- Rosetta Field
  - Scarab/Saffron Field
  - Simian Sienna and Sapphire Fields
- Job title** : Mechanical Maintenance Section Head
- Job Description** :
- Direct and supervise the activities of rotating machinery crew in the repair and P.M. of all categories of rotating machinery.
  - Direct and supervise the activities of static equipment crew in the repair and P.M. of all categories of the equipment.
  - Carrying out operation, scheduled maintenance and troubleshooting for different types of Gas Turbines engine models, as following:
    - Operation, maintenance, troubleshooting for GE - Nuovo Pignone PGT-10 Turbo Compressor.
    - Operation, maintenance, troubleshooting for GE PG 25+ Turbo Comp.
    - Good Experience in Centrifugal compressors operation and performance map, anti-surge protection system and stonewalls protection, the dry gas seal system operation and maintenance and best performance practices for the system protection.
  - Prepare maintenance work instruction "MWI" for preventative maintenance for rotating machines & static equipment.
  - Compile and prepare reports on normal, breakdown and major maintenance work.
  - Use CMMS to control manpower, material resources, equipment history and carry out the main duties.

- Liaise with vendor to improve machinery reliability.
- Evaluation and technical advice for the commercial received offers for material and spare parts.
- Prepare the spares, material requisitions and proposals.
- Follow up both on-shore and off-shore activities, maintenance, repair and overhaul.
- Liaise with planning and relevant personnel in the Operations and Safety Departments to obtain permits to work to the sections planned work schedules.
- Prepare for the shutdown maintenance activities.
- Ensure all the Maintenance activities are carried out within RASPETCO PTW system requirements.
- Plan and coordinate Mechanical Maintenance activities with other departments.
- Participate in HAZOP study, design reviews and risk assessments.
- Major Achievements:
  - Performed 1000 hrs. Maintenance for Nuovo Pignone DLN-2 including off line compressor wash.
  - Performed 8000 hrs. Maintenance "Combustion chamber inspection" for Nuovo Pignone DLN-2.
  - Performed 16,000 hours PM HGPI (Hot gas path inspection) for Nuovo Pignone DLN-2 Gas turbine engine dual shaft.
  - Performed 32,000 hours PM (Major Overhaul inspection) for Nuovo Pignone DLN-2 Gas turbine engine dual shaft.
  - Performed 8000 hrs. maintenance "Level 1 inspection" for GE PG 25+ DLE
  - Performed PM (A-Inspection) for Siemens Gas Turbine 5.3MW SGT-100-1S DLE (Turbine-Generator set) for three units.
  - Performed 24,000 hrs. PM (B-Inspection) for Siemens Gas Turbine 5.3MW SGT-100-1S DLE (Turbine-Generator set) for three units.
  - Performed 2 years major inspections for off-shore fire pumps "Goulds pumps".
  - Performed 10 000 Hrs. Top End Overhauling and 40000 Hrs. complete overhauling for CAT diesel engines (3400/3500) series.
- Experience Brief (on-shore and off-shore):
  - Carried out PM, troubleshooting, overhaul and inspection for Rashid Petroleum Company Rosetta Field, Scarab/Saffron, Simian Sienna and Sapphire Fields for the following:
    - Diesel engines (CAT engines 3400 & 3500 Series power generation and industrial applications).
    - Pumps (Centrifugal horizontal, Centrifugal vertical, Plunger).
    - Heat exchangers and pressure vessels.
    - Air compressor "Portable".
    - Mechanical Seals.
    - Reciprocating gas compressor "Dresser Rand".
    - Instrument air compressors.
    - Valves & pipe lines.
    - Off-shore crane and lifting gears.
    - Fresh water pumps and tanks.
    - Carried out the necessary alignments for rotating equipments with reverse method, Face and rim and Laser.
    - Using bolt tensioning and torque wrench equipments with

software calculator for flange tightening technique.

- Participated operation team as Mechanical Commissioning Engineer for commissioning and start-up of booster compressor station "SIEMENS SGT-400, CYCLONE, DLN with SIEMENS COMPRESSOR SC-SV (10-2-P)" and main compressor station "NOUVO-PIGNONE PGT 25+ DLE with NOUVO-PIGNONE compressor 2BCL606" including auxiliary machinery and static equipment.
- Working on commissioning and start-up procedures including punch list, site queries and testing equipment.
- Provide overhaul rotating equipment technical support and expertise.
- Review the system documents "P&ID's, O&M manuals and commissioning procedures".
- Co-ordinate with contractor's personnel for mech. compellation of rotating equipment systems.
- Prepare the necessary reports that indicate the work achievement.
- Review the hazards operation of rotating equipment (HAZOP).
- Attend the FATs & SITs tests for either rotating or static equipment "Pumps, compressors, manual and control valves".
- Analysis & Engineering studies of Rotating equipment, data sheet completeness.
- Lead the contractor's personnel in rotating equipment activities.
- Ensure that contractor staff with adequate numbers, appropriate tools and qualified personnel.
- Ensure that the contractor adheres to specifications and standards.

**Dates** : From Jan. 2010 till now (part time)  
**Employer** : Oil & Gas Company OGS, Syrian Gas Company  
**Job title** : Technical Training Instructor  
**Job Description** : Instruct and present specific courses in Mechanical:

- Prepare the course materials, Present class room instructions and OJT "on-job training".
- Prepare the course schedule and assure the purpose of the course.
- Mechanical Assessor, evaluate and instruct junior engineers and technicians.

**Dates** : From Jul. 2002 till Feb. 2005  
**Employer** : Booz, Allen & Hamilton Corporation  
**Project** : Naval Forces Shipyard  
**Job title** : Mechanical Field Engineer  
**Job Description** :

- Supervision of operation, troubleshooting, repair, maintenance and overhauls for Diesel – Generator substation 750KW (Detroit Diesels 149 16v / v71).
- Operation, troubleshooting, repair, maintenance and overhauls (MTU, CAT) diesel engines.
- Testing main propulsion Diesel engines on Dynamometer (2000hp, 750hp).
- Operation, troubleshooting, repair, maintenance and overhauls different kinds of pumps (centrifugal, positive).
- Carried out repair, maintenance and overhauls of HVAC systems

including its equipments.

- Maintenance, repair & overhaul mechanical systems (shaft propellers, gear boxes).
- Maintenance, repair & overhaul of static equipment (heat exchangers, valves).
- Alignment between the motor and the machine (Pump/Compressor, Diesel/Generator).
- Using laser alignment.
- Hydraulic and Pneumatic circuits troubleshooting, maintenance and repair (ship fin stabilizer).
- Applying Hydro and Operational tests.
- Overhauling and troubleshooting High Pressure Air Compressor (3000PSIG).
- Overhauling and troubleshooting Low Pressure Air Compressor (110PSIG).
- Machine shop supervision.
- Dynamometer test cell project leadership.
- Attending training course regarding Safety issues, 200 H, according to OSHA standards.
- Certificate from NAVSEA (Naval Sea Systems Command, USA) in Diesel Engines overhauls.