

Holds a B. Sc. in Mechanical Engineering and has over 7 years hands-on experience working as Rotating Equipment & Condition Monitoring Engineer.

## PERSONAL DATA

Nationality : Egyptian  
Gender : Male  
Residence : Alexandria

## EDUCATION

: B. Sc. in Mechanical Engineering, Alexandria University, 2010  
: Studying for M. Sc. in Mechanical Vibration, Cairo University (from 2018 till now)

## LANGUAGES

Arabic : Native Language  
English : Good

## COMPUTER SKILLS

: Windows, MS Office, Internet  
: AutoCAD, Solid Works, Hysys

## TRAINING COURSES AND CERTIFICATIONS

: Machinery Vibrations Analysis Correspondence Course, The Vibration Institute, Oak Brook (United States) (2017).  
: Basic Machinery Vibrations Correspondence Course, The Vibration Institute, Oak Brook (United States) (2016).  
: Advanced Bearing Course, SKF Egypt, Cairo (2013).  
: Bearing Selection, Maintenance and Failure, SKF Egypt, Cairo (2012).  
: Certified Vibration Analyst CAT III According to ISO 18436-2 from The Vibration Institute (Oct. 2018).  
: International Machine Vibration and Condition Monitoring Conference (IMVAC) Attendee, Singapore (2018).  
: High Speed Balance Witness, Germany (2017).

## CHRONOLOGICAL EXPERIENCE RECORD

Dates : From Jul. 2011 till now  
Employer : ABU QIR FOR FERTILIZERS COMPANY, Alexandria

- Job Description** :
- Rotating Equipment Engineer:
    - Perform and supervise overhauls for MAN Turbo and Diesel centrifugal compressors of types GS224, RH080/04, RH040/06, RH090/03, TKD2-6/4, GKS-4/6, TK5.6/7.1, GA710/4, GA355/6 and GA600/7.
    - Perform and supervise overhauls for MAN Turbo and Diesel steam turbine type DR063/130.
    - Perform and supervise overhauls for MAN Turbo and Diesel axial compressor type AG090/13RVV2L1.
    - Perform and supervise overhauls for MAN Turbo and Diesel expander PN090/150 S3D. Perform and supervise overhauls for Siemens steam turbines of types V-25, V-32, V-40, VE-25, and VE-28.
    - Perform and supervise overhauls for Nuovo Pignone centrifugal compressors of types 2MCL-607, 2BCL-306/A, 2BCL-458, 2BCL-408/A, BCL-407, BCL-407/A, BCL-306/B, and 2BCL-306/B.
    - Perform and supervise overhauls for Atlas Copco screw compressor type ZR 200-10. Familiar with gas turbines types, operation and overhauls.
    - Perform and supervise removal and installation of mechanical seals manufactured by Burgmann (type H-D1/106-E5) and Sealol bellows-type contact ring seal (type 604). Perform and supervise removal and installation of dry gas seal manufactured by John Crane (type T.28BD).
    - Perform and supervise overhauls for centrifugal, screw and reciprocating pumps manufactured by Allweiler, Vogel Ochsner, IMO, WOMA, Nuovo Pignone and LEISTRITZ.
    - Perform and supervise maintenance works for static equipment that serve gas.
  - Condition Monitoring and Vibration Analysis Engineer:
    - Perform spectrum, time waveform, phase and orbital analysis for rotating equipment. Perform transient vibration tests (run up / coast down).
    - Setup vibration follow up programs.
    - Perform root cause analysis for operating and chronic problems.
    - Perform shaft alignment using laser equipment and traditional techniques such as rim-face method and reverse dials method.
    - Condition evaluation and monitoring for rotating machines & their auxiliaries.
    - Perform balancing for rotating machines in site and in workshop and also witness high speed balancing in manufacturers' workshops.

Skills:

- Detailed and analytical competencies, with the ability to solve complex issues.
- Good understanding of Mechanical Drawings, P&IDs, Planning of Projects, Erection & Maintenance.
- Familiar with API, ASME, ANSI and ISO Standards.