

Holds B. Sc. in Mechanical Power Engineering and M. Sc. in Nuclear Engineering. Has about 10 years' experience working in design, maintenance and rotating equipment.

PERSONAL DATA

Nationality : Egyptian
Birth Date : 31/03/1987
Gender : Male
Residence : Nasr City, Cairo

EDUCATION

- : B. Sc. in Mechanical Power Engineering, Ain Shams University, 2010
- : M. Sc. in Nuclear Engineering, University of Pisa, Italy, 2019

LANGUAGES

Arabic : Native Language
English : Fluent
French : Very Good
Italian : Good

COMPUTER SKILLS

- : Windows, MS Office, Internet
- : Computational Fluid Dynamics (CFD) (ANSYS FLUENT)
- : Matlab
- : AutoCAD
- : Programming Languages: C, C#, Fortran, Dart
- : Linux OS

TRAINING COURSES AND CERTIFICATIONS

- : Baker Hughes Centrifugal Compressors BCL & MCL Operation & Maintenance.
- : Caterpillar Diesel Engine (Models 8208 and 8412) at Mantrac Egypt.
- : Heat Exchangers Basics at Oil & Gas Skills Company (OGS) in Cairo.
- : The Arab Contractors (Osman Ahmed Osman Co.): spent one month training at the main overhaul workshop for the Internal Combustion Engines, Cairo (summer 2008).

CHRONOLOGICAL EXPERIENCE RECORD

Dates : From Sep. 2019 till Jan. 2022
Employer : Baker Hughes - Florence Learning Center, Florence – Italy
Job title : Rotating Equipment Engineer
Job Description :

- Performed theoretical and technical training courses on the operation and maintenance of rotating equipment utilized in the oil and gas industry especially LNG industry such as centrifugal compressors, gas & steam turbines manufactured by Baker Hughes & General Electric.
- Performed hands-on technical training on the major and minor inspections of centrifugal compressors (BCL, MCL, SRL & ICL types) and their relevant auxiliary systems such as the dry gas seal system and lube oil system, in addition to OptiComp performance control and Anti-Surge system.
- Conducted training courses on the condition monitoring of rotating equipment, troubleshooting, installations, startups and worked with all documentations including mechanical drawings, data sheets, P&IDs, functional description, performance curves, ASMI & API standards.
- Conducted training courses on the operation & maintenance of aero-derivative gas turbine PGT25 and GE Frame 7 heavy duty gas turbine.
- Coordinated with the Field Service Engineers on various projects to provide information about operation, maintenance and troubleshooting of the operating machines.
- Collaborated with different worldwide LNG trains during the commissioning phase such as Bechtel (Cheniere Sabine LNG, USA), BP Tangguh (Indonesia) and Eni Coral FLNG (Angola).
- Participated in the setup and configuration of the Virtual Reality learning technique, working on debugging and conducting training sessions using it.
- Collaborated with I/C engineers to deliver courses on the MARK VIe turbine control system.
- Prepared the training materials including training manuals and courses' slides.

Dates : From Dec. 2013 till Sep. 2015
Employer : Gulf of Suez Petroleum Company (GUPCO)
Project : Ras Shukair Gas Processing Plant, Red Sea – Egypt
Job title : Mechanical Maintenance Engineer
Job Description :

- Led and supervised a group of technicians to perform the maintenance work for a gas processing plant's rotating equipment including compressors and centrifugal pumps.
- Performed periodic maintenance and overhaul for the plant engines (diesel and gasoline) brands: Waukesha/Caterpillar, moreover, participated in and supervised the maintenance processes for heat exchangers (shell & tube type), air coolers and piping valves.
- Performed maintenance for the propane compressors and amine pumps.
- Scheduled the work orders (WOs) in the workshops (maintenance & construction) and prepared the purchase requisitions (PRs) for the equipment spare parts and follow up their supply from the inventory.
- Worked on ensuring that all gas plant mechanical related works were

executed according to all applicable HSE standards.

- Prepared with HSE engineers the lifting plans for the heavy equipment during their assembly and disassembly.
- Implemented failure analysis, condition monitoring and preventive maintenance to increase the reliability and reduce the potential of future maintenance work, malfunctions and failures.

Dates : From Apr. 2012 till Dec. 2013

Employer : Elite Consolidated Engineers (ECE) - MEP Engineering Consultant, Cairo

Job title : Mechanical Design Engineer

Job Description :

- Designed complete HVAC systems for diverse facilities by estimating the total cooling loads, selecting the AHUs, grills & diffusers, performing duct design, chillers design and sizing of chilled water piping, firefighting network (sprinklers and FHC distributions).
- Preparing the bill of quantities documents (BOQs) and reviewing all subcontractors' submittals in the framework of the tendering process.
- Coordinating with the contractors to ensure that all the installations are compatible with that described during the design phase and prepare the As-Built drawings.

Field of experience :

- Specialized in the area of centrifugal compressors, gas and steam turbines utilized in the oil and gas industry.
- Mechanical Engineering - Turbomachinery Operation & Maintenance - Field Service Engineering.
- Skills:
 - Workshop management.
 - Probabilistic Safety Assessment (PSA).
 - RELAP5 (System Thermal Hydraulic Code).
 - Training and Coaching.
 - HVAC Design.