

Holds a B. Sc. in Mechanical Engineering and a Diploma of Thermal and Power Systems. Has about 12 years experience working as Operation Engineer, Site Engineer, Vibration Engineer and Maintenance Engineer.

PERSONAL DATA

Nationality : Egyptian
Birth Date : 01/05/1982
Gender : Male
Residence : Suez

EDUCATION

: B. Sc. in Mechanical Engineering, South Valley University, 2008
: Diploma of Thermal and Power Systems, Suez University, 2012

LANGUAGES

Arabic : Native Language
English : Very Good

COMPUTER SKILLS

: Windows, MS Office, Internet
: AutoCAD 2D & 3D

TRAINING COURSES AND CERTIFICATIONS

: Attend Category II – Vibration Analysis (MOBIUS INSTITUTE).
: Attend Machinery Vibration Analysis – Basic Level.
: Attend Machinery Vibration Analysis (VIBRATION INSTITUTE).
: Shaft alignment – reverse dial and laser course.
: Rolling bearing technology.
: Power Plant operation - basic principles.
: Advanced course in operation of thermal power plants principles and operation.
: Pumps - basic types and operation.
: Maintenance planning.
: Project Management Professional (PMP).
: Feasibility studies.

- : Heat exchangers - introduction.
- : Oil Refining Diploma (Operation and Troubleshooting of Process Equipment).

CHRONOLOGICAL EXPERIENCE RECORD

Employer : ALKHORAYEF WATER & POWER TECHNOLOGIES CO. (SWCC) in KSA
Job Description : Leading Al-Khorayef team in making assets evaluation and survey team for the SWCC (Saline Water Conversion Corporation) assets. This project includes all SWCC assets including waste water treatment plants and pipeline, pumping stations, vent stations, line valves, Chlorination plants, Water treatment, MSF (Multi-stage flash distillation), RO (Reverse Osmosis) and power plants. The asset assessment is following the BSRIA, CIBSE and ISO 55000. Al-Khorayef technical report submitted to ATKINS with a technical advice to report to SWCC management in Riyadh. The project includes all SWCC assets around Saudi Arabia plants in Jubail, Ras Al Khair, Alkhobar. This project under supervision of ATKINS.

Project : Ayoun Moussa Power Plant
Job title : Operation Engineer

Employer : ALKHORAYEF WATER & POWER TECHNOLOGIES CO. (SWCC) in KSA
Job title : Site Engineer

Employer : EDEPCO
Job title : Vibration Engineer

Further experiences : Maintenance Engineer

- Field of experience** :
- Rotating equipment condition monitoring, Vibration Analysis.
 - Preparing, operating and follow up the unit auxiliaries systems (Air compressors system, Service water system, Closed cooling system, Circulating water system, Wash screens system, Condensate water system, Feed water system (Feed water turbine pump & Feed water electrical pump).
 - Start-up, shutdown and follow up operation of main steam turbine (2x320MW) and its auxiliaries (Vacuum system, lube oil system, Seal oil system and seal steam system).
 - Start-up and shutdown and follow up operation of main boiler (capacity 1030 ton/hour work on main fuel natural gas and alternative fuel mazout and its equipment (Forced draft fan, Gas re-circulation fan, Seal air fan, Air heaters, Flame scanner blower).
 - Start-up and shutdown and follow up operation of MSF plant (Capacity 5000 ton/day).
 - Preparing product manuals and spare parts list.
 - Preparing details designs including tolerances clearance analysis and material specification.
 - Laser alignment of shafts with FIXTURLASER NXA PRO.

- Good knowledge about Rotating Machinery such as:
 - Gas & Steam Turbines.
 - Compressors.
 - Gearboxes.
 - Pumps.
 - Fans.
- Good knowledge about operation for thermal power plants.