

Holds B. Sc. in Aeronautical Engineering and M. Sc. in Mechanical Power Engineering. Has over 5 years hands-on experience, including 4 years working in operation and start-up at Suez Gulf Power Station.

PERSONAL DATA

Nationality : Egyptian
Birth Date : 23/03/1990
Gender : Male
Marital Status : Single
Residence : Cairo

EDUCATION

- : B. Sc. in Aeronautical Engineering, Institute of Aviation Engineering and Technology, 2011
- : M. Sc. in Mechanical Power Engineering, Cairo University, 2015

LANGUAGES

Arabic : Native Language
English : Good

COMPUTER SKILLS

- : Windows, MS Office, Internet

TRAINING COURSES AND CERTIFICATIONS

- : Project Management Diploma - Engineering and Science School - American University in Cairo: Project Management International Standards (PRMG 025) (from Sep. till Dec. 2016).
- : Cairo University - Center for Foreign Language and Professional Translation: Completely finished Test of English as a Foreign Language (TOEFL) (Jul. 2015).
- : Suez Oil Processing Company – Training Center: Fire Fighting course (Apr. 2015).
- : Egypt Air for Maintenance & Engineering: On Job Training to issue License Without Type Rating (LWTR) (from Apr. 2013 till Aug. 2014).
- : Completely finished Maturing learners level 16, American University in Cairo (from Nov. 2012 till Jul. 2013).
- : Cairo University, Computer Lab:
 - Microsoft Office Package course (MS Office 2007 & 2010).
 - Successfully Completed the ICDL course.

- : Egyptian Aviation Academy (Civil Aviation Management Training College) under supervision of ICAO:
 - Basic course of Aircraft Maintenance (Airframe / power plant) (Aircraft Material Inspection procedure, Hydraulic System, Flight Controls, Aircraft engines) (from Jul. till Sep. 2011).
 - Human Factors in Aircraft Maintenance Engineering (Oct. 2011).
- : Troubleshooting of car, Industrial Training Council (Oct. 2011).
- : Qualification: Edexcel: Vocational Assessor Qualification:
 - Maintain Professional Practice.
 - Develop Assessment Practice.
 - Quality Assuring Vocational Qualifications.
- : Qualification: Edexcel: Delivering Vocational Training:
 - Undertake Learning Needs Analysis.
 - Develop learning programs.
 - Manage Review and Evaluation.

CHRONOLOGICAL EXPERIENCE RECORD

- Dates** : From Jul. 2013 till now
- Employer** : C.G.N. (China General Nuclear Power Corporation)
- Project** : Suez Gulf Power Station (2x341.25MW):
- It is an Egyptian Electricity BOOT project it was built and owned by EDF (Électricité de France) in 2001 and it was transferred to C.G.N. in 2015.
 - Comply with (ISO 9001, ISO 14001, OHSAS 18001).
 - Steam Generator: FOSTER WHEELER 1200 Ton/h.
 - Steam Turbine: TOSHIBA 360MW.
- Job title** : Operation Engineer
- Job Description** :
- Acting as Operation Team Pilot during annual scheduled outages.
 - Major overhaul of unit 1 and opening casing for Intermediate Pressure Turbine re-blading of stages 9, 10 and 11.
 - Control Room Engineer (from Jul. 2015 till now):
 - Responsible for the shift-to-shift safe operations, production performance, and environmental performance of the power generation facility from the Control Room.
 - Responsible for safe start-up and shutdown of the power generation facility in accordance with equipment vendor recommendations and guidelines, both in normal and emergency situations.
 - Ensure performance monitoring is carried out and plant performance is optimized.
 - Liaison with maintenance functions concerning routine and breakdown maintenance, including issuing work orders when required.
 - Maintain operational liaison with the EEA to ensure power export in accordance and compliance with P.P.A.
 - Co-ordinate safety with regards to shift work activities, release of plant equipment for maintenance.
 - Document plant performance with shift logs, operational logs, defect reporting, fault reporting and writing, revision and review of operational procedures.
 - Co-ordinate Field Engineers activities in conjunction with smooth

- and safe operations of the power generation facility.
- Review Field Engineers log sheets to ensure that plant equipment is operating in compliance with vendor recommendations and guide lines, and ensure corrective actions is taken on non-compliance items.
- Training of staff on Control Room operations.
- Perform other work as directed by the Shift Supervisor.
- Field Engineer (from Jul. 2013 till Jul. 2015):
 - Operate plant systems under normal and emergency situations in conjunction with the Shift Charge Engineer.
 - Review all Power plant drawings (General Arrangement, Layout, P&ID, Isometrics, Detailed Drawings) to ensure smooth operation for all plant equipment and auxiliaries.
 - Perform all duties related to the monitoring, maintenance and operation of plant auxiliary equipment, including periodic walk downs of the turbine and boiler buildings as well as outside locations such as the air cooled coolers, desalination unit, air compressor and storage tanks.
 - Report any unusual or unsafe condition to the Shift Charge Engineer.
 - Position and configure plant equipment such as: opening and closing of valves, starting/stopping of pumps and compressors, visual inspections of the combustion process, operation of the crane system, orderly storage of materials, checking and maintaining fluid levels and gases for proper operation.
 - Monitor process flows, chemical balance and temperatures and maintain them in the desired range.
 - Take corrective action as required when these tests are out of parameter.
 - Operate all machinery in accordance with safe engineering practices to ensure safety of personnel and equipment.
 - Perform tag out and lockout procedures on electrical and mechanical equipment.
 - Cooperation with maintenance department to identify and troubleshoot plant equipment and perform mechanical, electrical and instrument maintenance as required.
- Responsible of starting up the following Plant Utilities:
 - Black Start Gas Turbine.
 - Desalination Unit.
 - Emergency Diesel Generator.
 - Auxiliary Boiler.
 - Water Treatment Unit.
 - Air Compressors.

Dates : From Mar. 2012 till Jul. 2013

Employer : Integrated Technical Educational Cluster, under supervision of Edexcel UK

Job title : Teaching Assistant (Mechanical Power Department)

Job Description :

- Teaching (Selecting Engineering Materials, Fluid Mechanics, Thermodynamics, Health and Safety and Risk Assessment in Engineering work places).
- Preparation and conduct of tutorials, practical classes, demonstrations, workshops, student field excursions, analytical sessions and studio

sessions.

- Development of course.
- Student marking and assessment.
- Consultation with students.
- Supervision in student projects, seminars and thesis.
- Internally verifying the mechanical engineering units.