

Holds B. Sc. in Mechanical Power Engineering and Master of heat transfer. Has over 11 years hands-on experience working in operation, commissioning, start-up and maintenance.

PERSONAL DATA

Nationality : Egyptian
Birth Date : 14/11/1984
Gender : Male
Marital Status : Married
Residence : Currently KSA

EDUCATION

- : B. Sc. in Mechanical Power Engineering, Alexandria University, 2006
- : Master of Engineering from Alexandria University of heat transfer Branch (Gas turbine performance, single pressure heat recovery steam generator design and performance), 2011

LANGUAGES

Arabic : Native Language
English : Good

COMPUTER SKILLS

- : Windows, MS Office (Word, Excel, Power Point), Internet
- : AutoCAD 2D & 3D

TRAINING COURSES AND CERTIFICATIONS

- : Training of train the trainer (5 days) in Jeddah.
- : Training of work permit receiver (2 days) in Jeddah.
- : Training of first aid (5 days) in Jeddah.
- : Training of so-logic analysis (3 days) in Jeddah.
- : Training of communication skills (3 days).
- : On-shore training of steam turbine operation and maintenance by Middle Delta Electricity Production Company, Nubaria.
- : Basic Operation Training on Steam Turbine 250MW by ALSTOM Heavy Industries Company.
- : HRSG Training course by Middle Delta Electricity Production Company, Nubaria.
- : Basic operation on gas turbine by Middle Delta Electricity Production Company, Nubaria.

- : Basic operation on gas turbine by GE Company, Nubaria.
- : Non-destructive test (MT, UT, PT, RT, VT) according to ASNT-TC-IA.
- : Training of how to be leader by Hilton Hurghada Resort.

CHRONOLOGICAL EXPERIENCE RECORD

- Dates** : From Jul. 2013 till now
- Employer** : Saudi Electricity Company (SEC) (Jeddah Training Center)
- Project** : RABIGH POWER PLANT
- Job title** : Mechanical Engineer
- Job Description** :
- Commissioning Supervisor and Start-up Engineer for GE7EA Gas Turbine which included Gas blowing line, Fuel oil flushing, control oil flushing and Water injection flushing.
 - Pre-commissioning start-up testing Multi-function fuel system.
 - Turning gear operation and function test on TG operation.
 - Lubrication oil and control oil Flushing.
 - GT Pre-commissioning, commissioning and start-up.
 - Lead and coordinate Start-up and Operation activities.
 - Ensure that all safety and precautionary requirements and procedures are followed during the commissioning process in line with the commissioning schedule.
 - Responsible for the start-up, shutdown and units normal operation.
 - Follow up the auxiliary system (firefighting system, service cooling).
 - Operation of power plant in safe mode and emergency.
 - Make operation test during operation.
 - Assistant during hot gas pass maintenance, overhauling gas turbine.

- Dates** : From Jan. 2007 till Jul. 2013
- Employer** : Middle Delta Electricity Production Company
- Project** : Nubaria Combined Cycle Power Station (2250MW):
- Two modules, each module consists of:
 - Four Siemens CTG 250MW type V94.3A.
 - Four horizontal Alstom HRSG.
 - Two Mitsubishi STG 250MW (HP, IP, LP).
 - Third module consists of:
 - Two gas turbines 250MW type GE MS9001FA.
 - Two HRG (STF) Company.
 - One steam turbine Alstom type
- Job title** : Operation Shift Engineer
- Job Description** :
- Monitoring, controlling and managing:
- Monitor and checking the panel DCS instrumentation and taking appropriate action to maintain operating conditions.
 - Monitoring and overseeing planned and unplanned shutdowns and associated start-ups via the CCR panel and in the field.
 - Start-up and shutdown of the power plant units with Scada system (DCS).
 - Commissioning and start-up of steam and gas turbines.
 - Commissioning and start-up of heat recovery steam generator.
 - Inspect the units and its auxiliaries, equipment condition prior to start-up,

- during operation and after following proper operating procedure.
- Commissioning and start-up of gas turbine after overhauling.
- Preparation of all gas turbine overhauling.
- Connect and disconnect of power plant transformers, medium, low voltage switch gears (6.3KV, 220KV, 500KV).
- Operations during plant emergencies ensuring prevention of further deterioration of the condition.
- Participate in the emergency preparedness organization.
- Read charts, meters, and gauges to monitor voltage and electricity flows.

Dates : From Sep. 2010 till 2013 (part time)
Employer : Khalda Petroleum Company
Project : Western Desert
Job title : Maintenance Engineer
Job Description :

- Overhauling and operation of diesel generator set type Caterpillar models 3304, 3306, 3406, 3412 and 3508.
- Solve the engine trouble shooting of the engine.
- Prepare and make the engine overhauling types.
- Ensure plant availability is maintained or near acceptable percentage.
- Overhauling of all pumps in oil plant, heat exchangers like ALFA-LAVAL.
- Preparing preventive maintenance tasks to conform Maximo & oracal system.
- Follow up and monitoring equipment statues to do corrective and breakdowns maintenance.
- Create and follow up the purchase requisition's cycle.
- Follow up the monthly and annually maintenance budget.

Dates : From Jun. 2006 till Jan. 2007
Employer : BEYTI Factory
Job title : Shift Operation & Maintenance Engineer
Job Description :

- Set up machines (calibration, cleaning, etc.) to start a production cycle.
- Control and adjust machine settings (e.g. speed, quantity of production).
- Feed raw material or parts to semi-automated machines.
- Inspect parts with precision and measuring tools.
- Test operation of machines periodically.
- Fix issues that might occur during the shift.
- Check output to spot any machine-related mistakes or flaws.
- Keep records of approved and defective units or final products.
- Maintain activity logs.

Field of experience :

- I am a Shift Operation and Maintenance Engineer in power station and qualified of heavy duty gas turbine, steam turbine, heat recovery steam generation. Generators, auxiliaries, switchgears and diesel engine CAT type (3306, 3406, 3412, 3508, C32).
- Having four hot gas path inspections and four minor inspections and two major overhauling of Siemens gas turbine maintenance (v94.3A) and GE gas turbine frame 9FA.
- Having ability of solving troubleshooting during the shift.
- Having ability to overhauling the diesel engine troubleshooting.

- Have the non-destructive test NDT four methods (MT, PT, RT, UT) according to ASNT-TC -1A.