

Holds a B. Sc. in Electrical Engineering (Automatic Control) and has over 9 years hands-on experience working in operation, commissioning and start-up.

PERSONAL DATA

Nationality : Egyptian
Birth Date : 01/02/1982
Gender : Male
Marital Status : Married
Residence : El-Behira

EDUCATION

: B. Sc. in Electrical Engineering (Automatic Control), Al-Azhar University, 2007

LANGUAGES

Arabic : Native Language
English : Very Good

COMPUTER SKILLS

: Windows, MS Office, Internet

TRAINING COURSES AND CERTIFICATIONS

- : On-shore training of steam turbine operation by Alstom Company, Nubaria.
- : Training course for Steam turbine Component and Operation (Mitsubishi 250MwW HP, IP, LP), Nubaria (Jan. 2009).
- : HRSG Training course by Middle Delta Electricity Production Company, Nubaria.
- : Training course for Gas turbine Component and Operation (Siemens CTG x 250MW type V94.3A), Nubaria (Jan. 2009).
- : Upper Egypt Electricity Production Company (GE CTG x 250MW type MS9001 (9FA)), El-Kureimat.
- : Middle Delta Electricity Production Company: Training Simulator Course in Gas turbine & Combined Cycle Operation, Nubaria.
- : Training course which was held in Egypt (Sep. 2008) under the direction of Mitsubishi Heavy Industries & Machinery Works, which covered the following:
 - Turbine plant system diagram instruction.
 - Vacuum up, turbine bypass, and vacuum break operation.
 - Troubleshooting (HRSG trip, turbine plant start-up).

- Turbine cooling shut down procedure.
- Periodic inspection during operation:
 - Casing & rotor main steam valves.
 - Pedestal main steam valves.
 - Servomotor.
 - Bearing emergency trip device.
 - Gland steam line oil systems.

CHRONOLOGICAL EXPERIENCE RECORD

- Dates** : From Oct. 2017 till Feb. 2018
- Employer** : TECHINT Engineering and Construction
- Project** : West Damietta Project Combined Cycle (1x750MW):
- 4 GE CTG x 125MW.
 - 4 horizontal Ansaldo Caldaie HRSG.
 - 1 Ansaldo Energia STG 250MW (HP, LP).
- Job Description** :
- Pipes flushing.
 - Chemical cleaning.
 - Steam blow.
 - Hot passivation.
 - Acc cleaning.
 - Commissioning, Start-up, shut down Steam Turbine.
 - HRSG chemical cleaning.
 - Ventilation system.
 - Chemical Injection PH, Ammonia, O2, Scvenger.
 - Sum pump system.
 - Closed cooling water pump system.
 - HP/LP feed water pump system.
 - Demi water pump system.
 - Air comp system.
 - RAW water pump system.
 - Pot water pump system.
 - Condensate water pump.
- Project** : Giza North Power Station (3 MODULES x 750MW):
- Two GE CTG x 250MW type MS9001 (9FA).
 - Two horizontal STF HRSG.
 - One ALSTOM STG 250MW (HP, IP, LP).
- Job title** : STF HRSG Operator
- Job Description** :
- Commissioning & Start-up and operation of STF HRSG boilers and cleaning of pipes by steam blow.
 - Pipes flushing.
 - Chemical cleaning.
 - Hot passivation.
 - Acc cleaning.
 - HRSG chemical cleaning.
 - Ventilation system.
 - Chemical Injection PH, Ammonia, O2, Scvenger.
 - Ventilation system

- Sum pump system.
- Closed cooling water pump system.
- HP/LP feed water pump system.
- Demi water pump system.
- Air comp system.
- RAW water pump system.
- Pot water pump system.
- Condensate water pump.

Dates : From Jan. 2014 till Dec. 2014
Employer : Ansaldo Energia
Project : Benha Project (750MW) (CP-106)
Job title : Steam Turbine Operation, Commissioning & Start-up Engineer
Job Description :

- Perform first operation tests and first start-up for:
 - Lube oil system.
 - Seal oil system.
 - Vacuum system.
 - Water box vacuum system.
 - Gland steam and gland steam condenser.
 - Debris filter.
 - Tube cleaning system.
- Charging H2 for generator.
- Making first rolling for STG.
- Making first synchronization for STG.

Dates : From Sep. 2008 till Dec. 2013
Employer : Middle Delta Electricity Production Company (MDEPC)
Project : Nubaria Power Station:

- Modules I & II:
 - Two modules, each module consists of:
 - Two Siemens CTG 250MW type V94.3A.
 - Two horizontal Alstom HRSG.
 - One Mitsubishi STG 250MW (HP, IP, LP).
 - 220KV switch yard ABB.
 - 500KV switch yard JAPAN AG.
 - Four tie transformers 500/220KV ZTR.
 - Six outgoing circuits 220KV.
 - Two outgoing circuits 500KV.
 - Medium and low switch gears.
 - Modules Auxiliaries.
- Module III:
 - Two GE CTG x 250MW type MS9001 (9FA).
 - Two horizontal STF HRSG.
 - One ALSTOM STG 250MW (HP, IP, LP).
 - 500KV switch yard.
 - Medium and low switch gears.
 - Module auxiliaries.

Job titles :

- SIEMENS Gas Turbines Operator (Modules I & II)
- Mitsubishi Steam Turbine Operator (Modules I & II)
- Alstom HRSG (Horizontal) Operator (Modules I & II)

- Job Description** :
- GE Gas Turbines Operator (Module III) (from Aug. 2012 till Dec. 2013)
 - Steam Turbine Operation Engineer (STG Mitsubishi and Ansaldo):
 - Follow the operation of the steam turbine equipment such as lube Oil vacuum pumps, seal oil pumps, gland steam H2 charging.
 - Perform the start-up and shut down procedures to the steam turbine unit.
 - Help in the troubleshooting and follow work permits.
 - Estimate starting time for the idle generation units and follow prescribed start-up procedures to bring units on line at specified time.
 - Change the loading of turbine/generator as required from the board or through the electrical control system.
 - Read meters and record data at specified intervals in appropriate logs and computers.
 - Immediately reports malfunctioning equipment of abnormal meter readings / equipment performance to supervisor and complete the appropriate records.
 - Alstom HRSG Operation Engineer:
 - Follow the safe operation of HRSG equipment such as HP/IP feed water pumps, feed water pumps, condensate feed water pumps, circulation feed water pumps, service and demi feed water pumps and feed water closed cooling.
 - Responsible of MW and switch gear components.
 - Coordination between generation unit and supplies for operation.
 - Estimate starting time for the idle generation units and follow prescribed start-up procedures to bring units on line at specified time.
 - Change the loading of turbine/generator as required from the board or through the electrical control system.
 - Read meters and records data at specified intervals in appropriate.
 - Immediately reports malfunctioning equipment of abnormal meter readings / equipment performance to supervisor and completes the appropriate records.
 - Gas Turbine Operation Engineer:
 - Follow the operation of the gas turbine equipment such as lube oil, fuel systems, wet compression, air intake system, pneumatic system, hydraulic system.
 - Perform the start-up and shut down procedures to the steam turbine unit.
 - Ip in the troubleshooting and follow work permits.
 - Estimate starting time for the idle generation units and follow prescribed start-up procedures to bring units on line at specified time.
 - Manage the loading of turbine/generator as required from the Board or through the electrical to supervisor and complete the appropriate records Control system.
 - Read meters and records data at specified intervals in appropriate logs and computers.
 - Immediate report malfunctioning equipment of abnormal meter readings /equipment performance.
 - Besides I do training courses for new engineers and technicians.

- Further experiences :**
- GE Gas turbines start-up and commissioning and reliability Test.
 - Attending of GE gas turbine fuel gas tuning and first start of fuel oil & fuel gas.
 - Attending of SIEMENS gas turbine fuel gas tuning and first start of fuel oil & fuel gas.
 - Attending of SIEMENS gas turbines burners cleaning (chemical & thermal).
 - Attending of SIEMENS gas turbines Minor, Hot gas path & Major inspections.
 - Attending of MITSUBISHI steam turbines Major inspections.
 - Attending of MITSUBISHI steam turbines tests.
 - Ansaldo Energia steam turbines start-up and commissioning and reliability Test.

- Field of experience :**
- Analyze Gas Turbine faults & upsets, investigate and recommend solutions.
 - Coordinate the Dispatch Load Request.
 - Manual working skills.
 - Capable of working in a team.
 - Perform Periodic Test.
 - Have a co-operational team work spirit.
 - Work accurately under tight schedules.
 - Manage the start-up and Shut down of the units.
 - Follow and Deal with Alarms in Central Control Room.
 - Follow Operation Specifications.
 - Operations of medium, low voltage switch gears and load centers.
 - Operation of high voltage circuits.
 - Good knowledge of operation of gas turbine generating units and auxiliaries.
 - Good knowledge of related engineering software.