

**Steam Turbine Operation, Commissioning & Start-up Engineer**

Holds a B. Sc. in Electrical & Communication & Electronics Engineering and has over 9 years hands-on experience working in operation, commissioning and start-up of gas and steam turbine generating units and auxiliaries.

**PERSONAL DATA**

Nationality : Egyptian  
Birth Date : 05/03/1984  
Gender : Male  
Marital Status : Married  
Residence : El-Behira

**EDUCATION**

: B. Sc. in Electrical & Communication & Electronics Engineering, Alexandria University, 2006

**LANGUAGES**

Arabic : Native Language  
English : Very Good

**COMPUTER SKILLS**

: Windows, MS Office, Internet

**TRAINING COURSES AND CERTIFICATIONS**

- : Middle Delta Electricity Production Company training course for Gas turbine Component and Operation (Siemens CTG x 250MW type V94.3A), Nubaria (Jan. 2009).
- : Middle Delta Electricity Production Company training course for Steam turbine Component and Operation (Mitsubishi 250MW HP, IP, LP), 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).

**CHRONOLOGICAL EXPERIENCE RECORD**

Dates : From Jul. 2017 till now  
Employer : Ansaldo Energia

**Project** : AL-SHABAB Project (1500MW)  
**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.
  - Air extraction system.
  - Gland steam and gland steam condenser.
  - ACC System (AIR COOLED CONDENSER) (OF 35 FANS CAPACITY) for ENEXIO COMPANY.
  - Charging H2 for generator.
- Making first rolling for STG.
- Making first synchronization for STG.
- Making all tests of steam turbine (load rejection, house load, full stroke, partial stroke, over speed, Tightness, vacuum test).

**Dates** : From Jan. 2015 till Mar. 2016  
**Employer** : Ansaldo Energia  
**Project** : Giza North Project (2250MW)  
**Job title** : Steam Turbine Operation, Commissioning & Start-up Engineer

**Dates** : From Jan. 2014 till Dec. 2014  
**Employer** : Ansaldo Energia  
**Project** : Benha Project (750MW)  
**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 Aug. 2012 till Dec. 2013  
**Employer** : Middle Delta Electricity Production Company  
**Project** : Nubaria Power Station Module III (750MW):

- Two GE CTG x 250MW type MS9001 (9FA).
- Two horizontal STF HRSGs.
- One ALSTOM STG 250MW (HP, IP, LP).
- 500KV switchyard.
- Medium and low switchgears.
- Module Auxiliaries.

**Job title** : GE Gas Turbines Operator

- Dates** : From Sep. 2008 till Jul. 2012
- Employer** : Middle Delta Electricity Production Company
- Project** : Nubaria Power Station Modules I & II (1500MW):
- SIEMENS CTG x 250MW (V94.3A).
  - Two Horizontal ALSTOM HRSGs.
  - MITSUBISHI STG 250MW (TC2F).
  - 220KV switchyard (ABB).
  - 500KV switchyard (Hitachi).
  - Four tie transformers 500/220KV (ZTR Ukraine).
  - Six outgoing circuits 220KV.
  - Two outgoing circuits 500KV.
  - Medium and low switchgears.
  - Modules Auxiliaries.
- Job titles** :
- SIEMENS Gas Turbines Operator
  - Mitsubishi Steam Turbine Operator
  - Alstom HRSG (Horizontal) Operator
  - GE Gas Turbines Operator
- 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 switchgears and load centers.
  - Operation of high voltage circuits.