

103724-ELE-1MOS-E-2007
HRSG Start-up & Commissioning Engineer

Holds a B. Sc. in Electronics & Computer Engineering and has over 12 years hands-on experience working in operation, maintenance, commissioning and start-up at Power Plants.

PERSONAL DATA

Nationality : Egyptian
Birth Date : 20/08/1983
Gender : Male
Marital Status : Married
Residence : El-Behira

EDUCATION

: B. Sc. in Electronics & Computer Engineering, Menoufia University, 2007

LANGUAGES

Arabic : Native Language
English : Very Good

COMPUTER SKILLS

: Windows, MS Office, Internet

TRAINING COURSES AND CERTIFICATIONS

- : On-shore training of ALSTOM (HRSG) operation, Nubaria.
- : On-shore training of steam turbine operation, Mitsubishi, Nubaria.
- : On-shore training of gas turbine Siemens v94.3A each one produces 250MW, Nubaria.
- : On-shore training of high and medium voltage (500KV/220KV/6.3KV), Nubaria.
- : Operation on-shore training of Alspa p320 distributed control system (DCS) by ALSTOM Company, Nubaria.

CHRONOLOGICAL EXPERIENCE RECORD

Dates : From Sep. 2018 till now
Employer : [EGYPTROL](http://www.egyptrol.com), Ansaldo Energia Subcontractor
Project : 6 October Combined Cycle Power Station 750MW
One module consist of:

- 2x125MW CTG Ansaldo Energia.

Job title : HRSG Start-up & Commissioning Engineer

Job Description :

- Four horizontal HRSG manufactured by Ansaldo Caldaie.
- One 250MW STG manufactured by Ansaldo Energia.
- Following the activities of HRSG steam blowing.
- Responsible for all HRSGs start-up and commissioning activities such as: lining up the HRSG, flushing the lines, make function test for all valves, make sure that the whole system is functioning properly.
- Informing the I&C department about any defected devices or any instrumentation faults.
- Monitoring water chemistry and thus the chemical dosing rate with the recommended solutions.
- Make daily reports for the daily activities and reporting it to the commissioning manager.

Dates : From Jun. 2018 till Aug. 2018

Employer : GE & Orascom

Project : West Assiut Combined Cycle Power Station 1500MW

Two modules, each module consists of:

- 4x125MW CTG type 9E manufactured by GE.
- Four horizontal HRSG manufactured by GE (Doosan).
- One 250MW STG manufactured by GE.

Job title : HRSG & BOP Start-up & Commissioning Engineer

Job Description :

- Following the activities of HRSG steam blowing.
- Responsible for all HRSGs start-up and commissioning activities such as: lining up the HRSG, flushing the lines, make function test for all valves, make sure that the whole system is functioning properly.
- Informing the I&C department about any defected devices or any instrumentation faults.
- Monitoring water chemistry and thus the chemical dosing rate with the recommended solutions.
- Make daily reports for the daily activities and reporting it to the commissioning manager.

Dates : From Oct. 2017 till Jun. 2018

Employer : [EGYPTROL](http://www.egyptrol.com), AC Boilers Subcontractor

Project : Al-Shabab Combined Cycle Power Station 1500MW:

Two modules, each module consists of:

- 4x125MW CTG type 9E manufactured by GE.
- Four horizontal HRSG manufactured by Ansaldo Caldaie.
- One 250MW STG manufactured by Ansaldo Energia.

Job title : HRSG Start-up & Commissioning Engineer

Job Description :

- Following the activities of HRSG chemical cleaning which were done by a subcontractor (VECOM).
- Following the activities of HRSG steam blowing.
- Responsible for all HRSGs start-up and commissioning activities such as: lining up the HRSG, flushing the lines, make function test for all valves, make sure that the whole system is functioning properly.
- Informing the I&C department about any defected devices or any instrumentation faults.

- Monitoring water chemistry and thus the chemical dosing rate with the recommended solutions.
- Make daily reports for the daily activities and reporting it to the commissioning manager.

Dates : From Dec. 2015 till Oct. 2017
Employer : Middle Delta Electricity Production Company (MDEPC)
Project : Nubaria Combined Cycle Power Station (1500MW):

- 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 Switchyard.
- 500KV Switchyard.
- Four tie transformers 500/220KV.
- Medium and low voltage switch gears.

Job title : Shift Charge Engineer
Job Description : CTG upgraded to T3000 operating system (9 months experience operating with T3000).

Dates : From May 2012 till Dec. 2015
Employer : Dubai Electricity and Water Authority (DEWA)
Project : In UAE
Job title : Gas Turbine Operator
Job Description : Plant description:

- Three Gas Turbines (GT): Type SIEMENS v94.3A2 (Single shaft/single casing, NG fuelled with Diesel Oil back up), Capacity 260MW at ISO Condition (15°C / 1013.2 mbar / 60%RH) 187MW in summer (50°C).
- Generators: TLRI 115/52 Apparent Power 239MVA (15.75KV).
- Three Waste Heat Recovery Boiler (WHRB): Type ALSTOM Single Pressure Level with supplementary NG firing system, Capacity 134.4 kg/s superheated steam at 74.3 bar/ 535°C.
- Two Back Pressure Steam Turbines (BPST): Type SIEMENS NG90/90 with one extraction, Capacity 148MW.
- Generators: TLRI 115/56 Apparent Power 195MVA (14.2KV).
- Two Auxiliary Boilers: Type ALSTOM natural circulation, positive pressure, Capacity: 360 t/h 22 bar saturated steam.
- Five Desalination Units Phase I/II: Type multi-stage flash (MSF), Capacity Phase I: 10 x 2 = 20 MIGD in winter (total 17.8 MIGD in summer), Phase II: 13.333 x 3 = 40 MIGD in winter (total 38 MIGD in summer).

Dates : From Apr. 2008 till May 2012
Employer : Middle Delta Electricity Production Company (MDEPC)
Project : Nubaria Combined Cycle Power Station (1500MW):

- 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 Switchyard.
 - 500KV Switchyard.
 - Four tie transformers 500/220KV.
 - Medium and low voltage switchgears.
- Job title** : Operation Engineer of Siemens gas turbine / Control Room Operator
- Job Description** : Responsible for operating:
- 1 Horizontal ALSTOM HRSG.
 - 4 Siemens gas turbines (250MW).
 - 2 Mitsubishi steam turbines (250MW).
- Field of experience** :
- Operation and maintenance for Gas Turbine, Steam Turbine.
 - Commissioning, start-up and steam blowing for HRSG Boilers at Nubaria Power Station (1500MW).
 - Having 4 hot gas path inspections maintenance & 4 minor inspections of gas turbine (Siemens V94.3A).