**104215-MEC-1O-E-2015**
Operation Engineer

Holds a B. Sc. in Mechanical Engineering and has over 5 years hands-on experience working in operation at Power Plants.

## PERSONAL DATA

| | | |
|---|---|---|
| Nationality | : | Egyptian |
| Birth Date | : | 23/01/1991 |
| Gender | : | Male |
| Marital Status | : | Married |
| Residence | : | El-Behira |

## EDUCATION

: B. Sc. in Mechanical Engineering, Alexandria University, 2015

## LANGUAGES

| | | |
|---|---|---|
| Arabic | : | Native Language |
| English | : | Very Good |

## COMPUTER SKILLS

: Windows, MS Office, Internet
: Matlab, HAP, Solid Works, AutoCAD

## TRAINING COURSES AND CERTIFICATIONS

: Hysys:
- Process simulation using Aspen Hysys Steady State.
- Process simulation using Aspen Hysys Dynamics.

: English course.
: ICDL
: Training at ALEX PETROLEUM COMPANY (Aug. 2014).
: Trainings at Middle Delta Electricity Production Company:
- Nubaria Power Station I & II Combined Cycle Power Plant 2x750MW (SIEMENS ctg, MITSUBISHI stg, ALSTOM HRSG) (Aug. 2014).
- Nubaria Power Station III Combined Cycle Power Plant 750MW (GE ctg, ALSTOM stg, STF HRSG) (Aug. 2013).

: Trainings at West Delta Electricity Production Company:
- Abu Qir Thermal Power Plant 4x150MW + 1x311MW (Jul. 2012).
- Kafr El-Dawar Thermal Power Plant 4x110MW (Aug. 2012).

# CHRONOLOGICAL EXPERIENCE RECORD

**Dates** : From May 2017 till now

**Project** : Nubaria Power Station (CCPP 2250MW), Module III:

- Two GE Gas Turbines CTG 250MW Type MS9001(9FA).
- Two STF Horizontal Heat Recovery Steam Generators.
- One ALSTOM Steam Turbine STG 250MW (HP, IP, LP).
- 500KV Switch Yard Medium and Low Switch Gears and Module Auxiliaries.

**Job Description** :

- Steam Turbine Operation Engineer: responsible for the safe and efficient operation of the steam turbine equipment and the entire generating unit. This includes the lube oil system, seal oil system, gland steam condenser system, condenser vacuum system, condensate water pumps, and circulating water system.
- Heat Recovery Steam Generator (HRSG) Operation Engineer: responsible for the safe and efficient operation of the HRSG equipment. This includes the HP/IP feed water pumps, LP feed water pumps, Demi water pumps, preheat re-circulation pumps, and pump house (Raw water pumps, service water pumps, back wash water pumps, circulating water pumps, jockey pumps).
- Gas Turbine Operation Engineer (Type MS9001 (9FA)): responsible for the safe and efficient operation of the gas turbine equipment and the entire generating unit. This includes fuel gas and fuel oil system; lube oil system, hydraulic system, compressor wash, closed cooling system, air intake system, pneumatic system, firefighting system (co2), and pecc.
- For all jobs I am responsible for:
  - Read meters and record data at specified intervals in appropriate logs and computers.
  - Perform troubleshooting and documentation and assist in the resolution of problems discovered during the shift.
  - Immediately report malfunctioning equipment of abnormal meter readings/equipment performance to the supervisor and complete the appropriate records.
  - Team work with other operations employees on shift to insure successful start-up, operation and shut-down of units.
  - Give a job training to engineers and technicians about the components of power plant and how to construct and operate the combined cycles (gas turbine – HRSG – steam turbine).

**Dates** : From Dec. 2016 till May 2017

**Employer** : Orascom Construction

**Project** : Al-Burullus CCPP (Combined Cycle Power Plant) 4800MW

**Job title** : BOP (Balance of Plant) Operation Engineer

**Job Description** : Responsible for operating BOP systems (the firefighting system, the demineralized water system, the Air Compressor system and the service water system).