

**100122-MEC-OS-E-2002**  
**Commissioning & Operation Engineer**

Holds a B. Sc. in Mechanical Power Engineering and has more than 6 years hands-on experience in operation, commissioning and start-up of Combined Cycle Power Plants.

## PERSONAL DATA

Nationality : Egyptian  
Birth Date : 22/08/1978  
Marital Status : Married

## EDUCATION

: B. Sc. in Mechanical Power Engineering, Al-Azhar University, 2002

## LANGUAGES

Arabic : Native Language  
English : Excellent

## COMPUTER SKILLS

: Windows, MS Office, Internet

## TRAINING COURSES AND CERTIFICATIONS

- : Alspa p320 distributed control systems (DCS), operator training course by Alstom in Paris – France.
- : Basic operation and maintenance on gas turbine by Siemens Company in Nubaria.
- : Basic operation & maintenance training on steam turbine 250MW by Mitsubishi Heavy Industries Company in Nubaria.
- : Basic operation and maintenance on combined cycle by West Delta Electricity Production Company in Damanhour.

## CHRONOLOGICAL EXPERIENCE RECORD

**Dates** : From Jun. 2010 till now  
**Employer** : EGYPTROL – Commissioning Subcontractor for HRSG Contractor  
**Project** : Sidi Krir Combined Cycle Power Plant (750MW, 2x2x1)  
**Job title** : Commissioning Engineer  
**Job Description** :

- Participate in pre-commissioning tests and commissioning of all HRSG systems.
- Responsible for HRSG operation.

**Dates** : From May 2009 till Jun. 2010  
**Employer** : Middle Delta Electricity Production Company (MDEPC)  
**Project** : Nubaria Combined Cycle (2x750MW) Power Plant:  
 Two modules, each module consists of:
 

- Two gas turbines CTG 250MW SIEMENS V94-3A with Teleperm XP control system.
- Two horizontal HRSG ALSTOM with one deaerator storage tank and three drum (HP, IP, LP) drum.
- One steam turbine generator STG 250MW MITSUBISHI.
- 220KV switchyard, 500KV switchyard, four tie transformers 500/220.
- Medium Voltage 6.3KV and Low Voltage 400V switchgear.

**Job title** : Shift Charge Engineer  
**Job Description** :
 

- Checking up the equipment electrically and mechanically before the equipment operation.
- Securing the field and the equipments after shutdown.
- Checking up and observing the equipments and making sure that all auxiliaries in the normal operation conditions.
- Supervising the equipments after operating, change over or maintenance.
- Making report about disorder before shutdown of maintenance.
- Charging of the shift during operation and shutdown.
- Tie between operator in main control room and technician in the field.
- Make electrical maneuver with the dispatch.

**Dates** : From Feb. 2006 till May 2009  
**Employer** : Middle Delta Electricity Production Company (MDEPC)  
**Project** : Nubaria Combined Cycle (2x750MW) Power Plant  
**Job title** : Combined Cycle Operation Engineer  
**Job Description** :
 

- Carrying out start-up, shutdown and emergency operation of the plant units (GT, HRSG & ST) and equipment as per operating procedure.
- Reporting abnormalities and defects to superiors & take correct action.
- Carrying out plant operational routines scheduled for shift safely and without disturbance.
- Monitor, record and maintain operating parameters/activities in order to control and achieve reliable and efficient operations.
- Comply with all safety requirements, applying all rules and procedures.

**Dates** : From Oct. 2004 till Feb. 2006  
**Employer** : Middle Delta Electricity Production Company (MDEPC)  
**Project** : Nubaria Combined Cycle (2x750MW) Power Plant  
**Job title** : Commissioning & Start-up Engineer  
**Job Description** :
 

- Commissioning and start-up for under & above ground piping, pumps & valves (INITEC) as a witness.
- Commissioning and start-up for gas turbine 250MW SIEMENS as a witness.
- Commissioning and start-up for ALSTOM HRSG.
- Make steam blow for ALSTOM HRSG.

**Field of experience** : Operation of the following Combined Cycle components:  
Gas Turbines, Heat Recovery Steam Generator (HRSG), Steam Turbines,  
500/220KV switchyard, Medium Voltage 6.3KV and Low Voltage 400V  
switchgear.