

**100409-ELE-1MO-E-2005**  
**Operation & Maintenance Engineer**

Holds a B. Sc. in Electrical Power & Machines Engineering and has over 11 years hands-on experience working in operation and maintenance.

## PERSONAL DATA

Nationality : Egyptian  
Birth Date : 05/02/1981  
Gender : Male  
Marital Status : Married  
Residence : Cairo

## EDUCATION

: B. Sc. in Electrical Power & Machines Engineering, Cairo University, 2005

## LANGUAGES

Arabic : Native Language  
English : Very Good

## COMPUTER SKILLS

: Windows, MS Office (Word, Excel, Power Point), Internet  
: RSLOGIX 5000

## TRAINING COURSES AND CERTIFICATIONS

- : Training at Shoubra El-Kheima Electrical Power Station.
- : Training at Field Base, Badr Petroleum Company.
- : Gas Turbine Operation System at Power Plant Training Center (PPTC) (Apr./May 2006).
- : Technical training at Atlas Copco in ZT/ZR 160 Air Compressor.
- : Training in HRSG (Heat Recover Steam Generator) for the HRSG start-up and shut down.
- : Operation training ALSTOM Steam Turbine Generator & auxiliaries at Cairo North Power Plant 750MW (Apr./May 2008).
- : Gas turbine operation and its auxiliary systems training (Jun. 2010): I've successfully completed gas turbine operation systems training course developed by solar coaching staff in QPC.
- : Training on TT4000 (Jul. 2010): This practical training course provided by Solar coaching staff in (QPC) and during commissioning interval (8 months).

- : Test function and calibration for instrument devices (May 2010): This training practical course provided by Solar coaching staff in (QPC) for (pressure transmitter, diff. pressure transmitter, pressure switches diff. pressure switches, RTD, thermocouples).
- : Electrical and electronics maintenance practical course (from Jan. till Jul. 2010), this training course provided by ABB commissioning engineers included:
  - Introduction to Electronic and Electrical components.
  - Checking and inspection of electronic components.
  - Read and follow the electrical and logic drawings.

## CHRONOLOGICAL EXPERIENCE RECORD

**Dates** : From Nov. 2009 till now  
**Employer** : Qarun Petroleum Company  
**Project** : Karama Power Station  
**Job title** : Operation & Maintenance Engineer  
**Job Description** :
 

- Operation, maintenance & troubleshooting for eleven solar gas turbines (8\*centaur-50 & 3 \*Taurus-60).
- Operation, maintenance & troubleshooting for all auxiliaries systems (instrument air system (I.R), fire system, diesel system).
- Operation, maintenance & troubleshooting for medium voltage switchgear (3.3KV) and Low voltage switchgear (400 V).

**Dates** : From Mar. 2006 till Oct. 2009  
**Project** : Cairo North Power Station 750MW Combined Cycle  
**Job title** : Operation Engineer  
**Job Description** :
 

- Phase 2: Operation Engineer at Cairo North Power Station (750MW) combined cycle power plant with two GE gas turbine MS-9001F (250MW) and two Heat Recovery Steam Generator (HRSG) by NEM Co. to driven ALSTOM steam turbine (250MW) (from Jun. 2007 till Oct. 2009):
  - 2x250MW General Electric MS-9001F gas turbine control mark VI by GE Co. combined with 2 x 375 lbs/hr heat recovery steam generator (HRSG) manufactured by Dutch NEM Company.
  - 1x250MW ALSTOM steam turbine.
  - BOP under DCS controller (Mark VI general electric control).
  - The fuel systems (gas fuel system and oil fuel system).
  - All auxiliaries systems (service air system, instrument air system, fire system, service water system, closed cooling water system).
  - High voltage switchgear 220KV.
  - 6.3KV switchgear for medium voltage plant equipments and 400 V switchgear for low voltage equipment.
- Phase 1: Operation Engineer at Cairo North Power Station (750MW) combined cycle power plant with two MITSUBISHI gas turbines MHI 701F (250MW) and two Heat Recovery Steam Generator (HRSG) to driven HITACHI steam turbine (250MW) (from Mar. 2006 till Jun. 2007):
  - 2x250MW MITSUBISHI gas turbine (MHI 701F) with control system DAISYS Netmation. Combined with 2 x 375 Heat Recovery Steam Generator (HRSG) manufactured by Dutch NEM

Company.

- 1x250MW HITACHI steam turbine (Mark VI Control System).
- BOP under DCS controller (Foxboro Control System).
- All auxiliaries systems (service air system, instrument air system, fire system, service water system, closed cooling water system).
- 6.3KV switchgear for medium voltage plant equipment and 400 V switchgear for low voltage equipment.