

**100050-MEC-OS-E-1991**  
**Mechanical Operation & Commissioning Engineer**

Holds a B. Sc. in Mechanical Power Engineering and has over 17 years hands-on experience in Power Plants, including 16 years working as Operation Engineer and also in commissioning.

## PERSONAL DATA

Nationality : Egyptian  
Birth Date : 02/05/1968  
Gender : Male  
Marital Status : Married  
Residence : Ain Shams, Cairo

## EDUCATION

: B. Sc. in Mechanical Power Engineering, 1991

## LANGUAGES

Arabic : Native Language  
English : Very Good

## COMPUTER SKILLS

: Windows, MS Office, Internet

## TRAINING COURSES AND CERTIFICATIONS

- : At Shoubra El-Kheima Power Station Training Center:
  - Bechtel training course, Unit Operation & Maintenance, Basic and site specific course (from Nov. 1993 till Jun. 1994).
  - Unit operation (cold and hot start), May 2000.
  - Unit emergency shut down (from Jan. 2000 till Oct. 2000).
  - Useful lessons in case of units trip (Nov. 2000).
  - Black out and operation of emergency gas turbine and emergency diesel (Apr. 2001).
  - Operation in case of black out (Apr. 2003).
- : At ALSTOM Power Plant Training Center:
  - Steam turbine generator operation and steam turbine control P320 TGC (Cairo North Power Plant Combined Cycle 2x750MW), Mannheim, Germany (May 2006).
  - Operation of ALSPA P320 system, Massy, France (May 2006).
- : SIEMENS SPPA T3000 training course, Operation & Monitoring (Sep. 2007).

## CHRONOLOGICAL EXPERIENCE RECORD

**Dates** : From Dec. 2009 till now  
**Employer** : [EGYPTROL](#), Commissioning & Operation Subcontractor for BoP Electrical and Mechanical Contractors TOSHIBA/TOYOTA  
**Project** : El-Atf Combined Cycle Power Plant 750MW  
**Job title** : Commissioning & Operation Engineer

**Dates** : From Nov. 2006 till Dec. 2009  
**Employer** : Cairo Electricity Production Company  
**Project** : Shoubra El-Kheima Power Station Steam Turbine (4x315MW):  
Consists of:

- 4 units steam turbine every unit is 315MW and gas turbine of 36MW.
- Turbine Westinghouse Tandem compound double exhaust reheat turbine.
- Boiler Ansaldo maximum construction rate is 1200 ton/hr, temp 540 degree centigrade, pressure 170 kg/cm<sup>2</sup>.
- Water tube boiler with primary, secondary and tertiary super heaters.
- Tow forced draft fan, tow gas reticulated fan, two regeneration air heater.
- 18 duel firing burners (Mazout or natural gas).
- Hydrogen inner cooled generator (20KV).
- Switch yard one and half circuit breaker (220KV).
- 8 bay each bay contains three sf6 circuit breaker.
- Plant auxiliaries (pump house, air compressor, hydrogen generator).
- Emergency gas turbine (36MW) duel fuel (natural gas or solar), generator air cooling, static excitation, axial compressor (18 stage), 8 combustors, 3 stage reaction turbine and starting & emergency diesel.

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

- Supervision of all plant operation.
- Start-up unit after over all maintenance.
- Supervision of fire fighting systems.
- Supervision of energize & de-energize of high voltage transmission line from plant switchyard to union grade.
- Organizing the training of operators in Shoubra El-Kheima Training Center.
- Write technical report about normal or abnormal cases of operation.
- Supervision of gas turbine (Fait TTG 36MW) operation and solve its troubleshooting.
- Make weekly and monthly test for the unit equipment.

**Dates** : From May 2007 till Apr. 2008  
**Employer** : SIEMENS  
**Project** : Shoubra El-Kheima Power Station  
**Job title** : Commissioning & Start-up Engineer  
**Job Description** : Commissioning and start-up of unit 2 & 4 after installation of DCS by SIEMENS.

**Dates** : From Nov. 2002 till Nov. 2006  
**Employer** : Cairo Electricity Production Company  
**Project** : Shoubra El-Kheima Power Station  
**Job title** : Assistant Shift Engineer  
**Job Description** :

- Start-up unit after over all maintenance and supervision of operator.
- Check up all units equipments in control room and solve the troubleshooting.

**Dates** : From May 1998 till Nov. 2002  
**Employer** : Cairo Electricity Production Company  
**Project** : Shoubra El-Kheima Power Station  
**Job title** : Control Room Operator Engineer  
**Job Description** : Control of all unit components (Boiler, Turbine, Generator and Auxiliaries from control room).

**Dates** : From May 1997 till May 1998  
**Employer** : Cairo Electricity Production Company  
**Project** : Shoubra El-Kheima Power Station  
**Job title** : Gas Turbine Operator Engineer  
**Job Description** : Unit operation (field & control).

**Dates** : From Aug. 1993 till May 1997  
**Employer** : Cairo Electricity Production Company  
**Project** : Shoubra El-Kheima Power Station  
**Job title** : Field Operator Engineer (Local)  
**Job Description** :

- Line up system and equipments, check up and monitoring all unit equipment (local).
- Check up Boiler, Turbine, Generator, Auxiliaries, Air compressors, pump house and Mazout area.