

Holds a B. Sc. in Mechanical Power Engineering and has about 20 years hands-on experience in operation of Shoubra El-Kheima Power Plant.

## **PERSONAL DATA**

Nationality : Egyptian  
Birth Date : 30/08/1960  
Marital Status : Married

## **EDUCATION**

: B. Sc. in Mechanical Power Engineering, 1988

## **LANGUAGES**

Arabic : Native Language  
English : Good

## **COMPUTER SKILLS**

: Windows, MS Office

## **TRAINING COURSES AND CERTIFICATIONS**

- : Basics and site specifics training course at Shoubra El-Kheima Power Plant.
- : Control equipment development project (DCS system) at Shoubra El-Kheima Power Plant.
- : Siemens SPPA T 3000 Operation & Monitoring in Germany & Cairo (DCS system).
- : Computer courses in Windows, MS Word and Excel.
- : Several trainings in operation unit (Shoubra El-Kheima Power Plant 315MW every unit) at any conditions.

## **CHRONOLOGICAL EXPERIENCE RECORD**

**Dates** : From 2000 till now  
**Employer** : Cairo Electricity Production Company (CEPC)  
**Project** : Shoubra El-Kheima Power Plant  
**Job title** : Shift Engineer

**Dates** : From 1996 till 2000  
**Employer** : Cairo Electricity Production Company (CEPC)  
**Project** : Shoubra El-Kheima Power Plant  
**Job title** : Assistant Engineer

**Dates** : From 1994 till 1996  
**Employer** : Cairo Electricity Production Company (CEPC)  
**Project** : Shoubra El-Kheima Power Plant  
**Job title** : Operation Engineer in Control Room

**Dates** : From 1991 till 1994  
**Employer** : Cairo Electricity Production Company (CEPC)  
**Project** : Shoubra El-Kheima Power Plant

Consists of 4 units steam turbine, every unit is 315MW.

Boiler (Ansaldo) consists of:

- 2 Forced draft fans.
- 2 Gas recirculation fans.
- 2 Regenerative air heaters.
- 2 Steam air heaters.
- Soot blowing system.
- Primary, secondary, tertiary super heaters, water tube and boiler drum.
- 18 burners light dual firing Mazout or natural gas, also 3 light solar in start.
- The boiler max. construction rate is 1200 ton/hour steam t (540c) and pressure is sliding pressure with the load from 120 kg/cm<sup>2</sup> to 170 kg/cm<sup>2</sup> on full load.

Generator:

- Westinghouse generator (3000 r.p.m. – 20KV – hydrogen cooling).

Turbine (Westinghouse) consists of:

- 3 stages turbine.
- High pressure turbine.
- Intermediate pressure turbine.
- Low pressure turbine.

Switchgear:

- The type of switchgear is one and a half circuit breaker, contains two bus bar and 8 bay every bay contains 3 (sf6) circuit breaker.

Auxiliaries:

- Pump house building.
- Air compressor.
- Hydrogen generator.
- Gas turbine.
- Auxiliary boiler.

**Job title** : Local Engineer

**Field of experience** :

- Supervision of operating the plant.
- Organizing the training of operators on auxiliaries and outside equipments.
- Controlling the routine change over the plant.
- Carrying out routine on load testing.

- Ensuring that any plant defects are reported and corrected.
- Supervision of hydrogen/oxygen generator operation.
- Supervision of industrial security and fire protection.
- Supervision of the energize and re-energize of high voltage trains mission line from the plant switchyard to uningrade.