

Holds a B. Sc. in Mechanical Power Engineering and has about 7 years hands-on experience working in operation and start-up at Damietta Combined Cycle Power Plant.

## **PERSONAL DATA**

Nationality : Egyptian  
Birth Date : 05/04/1984  
Gender : Male  
Marital Status : Married  
Residence : Damietta

## **EDUCATION**

: B. Sc. in Mechanical Power Engineering, Suez Canal University, 2008

## **LANGUAGES**

Arabic : Native Language  
English : Very Good

## **COMPUTER SKILLS**

: Windows, MS Office, Internet

## **TRAINING COURSES AND CERTIFICATIONS**

- : Training Course in Siemens SGT5- (V94.2) Operation, Certified from EDEPC (East Delta Electricity Production Company).
- : Training Course in AEG (GIS) 220KV switchgear.
- : Training Course in GEC ALSTHOM (Steam Turbine & Auxiliaries) Operation, Certified from EDEPC (East Delta Electricity Production Company).

## **CHRONOLOGICAL EXPERIENCE RECORD**

**Dates** : From Oct. 2010 till now  
**Employer** : East Delta Electricity Production Company  
**Project** : Damietta Combined Cycle Power Plant module III (1730MW)  
(6 gas turbines Siemens (94.2) & 6 HRSG and 3 steam turbines ALSTOM)  
Three Modules, each Module has:

- Two Siemens gas turbines (135MW Type V94.2).
- One Alstom HRSG (70 bar, 500 °C, 500 T/ hr).
- 220KV switch yard.
- 6.3KV switch yard.

- Two transformers 10.5 /220KV, one 11.5/220KV.
  - Six outgoing circuits 220KV.
  - Two outgoing circuits 66KV.
  - Medium and low switch gears.
- Job title** : Central Control Room Operator Engineer
- Job Description** :
- Heat recovery steam generation double pressure 500 t/h of steam.
  - Operating & monitoring Steam Turbine (GEC ALSTHOM) Combined Cycle.
  - Operating and monitoring:
    - High pressure (65 bar) & low pressure (5 bar) steam turbine driving elect. Generator 11.5KV 140MW.
    - Power transformer 11.5KV / 220KV 152 MVA.
    - Operate through DCS based consoles in line with company's Standard operating procedures.
    - Performing the unit start-up and shutdowns per assigned target trouble shooting, effective response to emergency conditions.
    - Monitor the operation of a power generating unit to ensure Reliable and efficient generation.
    - Compliance to safety procedures.
    - Monitor the condensate system, condenser, gland steam system, vacuum and water box vacuum system, control oil system, lube oil system, bypass system, circulating water system, UBS and rectification system, high pressure feed water and steam flow system, the damper system and all HRSG components.
  - Operating & monitoring auxiliary equipment of power plant.
  - Operating and monitoring through DCS Emergency Diesel, Air Compressors, Fuel Separator, Fire Fighting System, Central Air Condition, Screen Wash System, Service Water System, Closed Cooling System Water Intake.
  - Operating & monitoring Gas Turbine (SIEMENS SGT5-2000E (V94.2)).
  - Operating & monitoring:
    - Two units of gas turbine v94.2 each one of them drive elect. Generator TLRI 135MW, 10.5KV.
    - Two power transformers each one 10.5KV / 220KV, 152 MVA.
    - Two power transformers 10.5KV / 6.3KV, 8.7 MVA.
    - Four units of air compressors.
    - Performing the units startups and shutdowns per assigned target trouble shooting, effective response to emergency conditions.
    - Monitor the operation of a power generating unit to ensure reliable and efficient generation.
    - Compliance to safety procedures.
  - Operating & monitoring (GIS) 220KV switchgear (1.5) C.B. Arrangement.
  - Operating and monitoring:
    - Switch yard contain connections of (9 Generators, 6 Transmission lines & 4 power Transformers).
    - Control panels for these connections.
    - Protection systems of Transmission Lines & Transformers.
    - Carry out the maneuvering of connect and disconnect (9 Generators, 6 Transmission lines & 4 power Transformers).
    - Monitor protection systems of Transmission lines, isolation system of connections.

- Carry out safety isolation and precautions.