

Holds a B. Sc. in Electrical Power & Machines Engineering and has about 6 years experience mainly in operation but also in construction, maintenance, commissioning and start-up of Nubaria Combined Cycle Power Station.

PERSONAL DATA

Nationality : Egyptian
Birth Date : 15/12/1983
Marital Status : Married

EDUCATION

: B. Sc. in Electrical Power & Machines Engineering, Alexandria University, 2007

LANGUAGES

Arabic : Native Language
English : Very Good

COMPUTER SKILLS

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

TRAINING COURSES AND CERTIFICATIONS

- : Training of steam turbine operation and maintenance by Middle Delta Electricity Production Company, Nubaria, Oct./Nov. 2008.
- : HRSG training course by Middle Delta Electricity Production Company, Nubaria, Nov. 2008.
- : Basic operation on gas turbine by Middle Delta Electricity Production, Nubaria, Oct. 2008.
- : Training on operation and maintenance of switchyard 500KV & 220KV, Nubaria, Nov./Dec. 2008.
- : Training course on fire fighting, civil safety and rescue, Ministry of Interior Affairs, Damanhour, Jan./Feb. 2012.

CHRONOLOGICAL EXPERIENCE RECORD

Employer : Middle Delta Electricity Production Company (MDEPC)
Project : Nubaria Combined Cycle (3x750MW) Power Station:
Consists of four CTGs and two STGs with total power 1500MW, in addition to the extension of two CTGs and one STG with power 750MW,

finished in 2010 to complete the total power of the station to be 2250MW (the biggest power station in Egypt).

- Two modules, each module consists of:
 - Two Gas Turbines Siemens types V94.3A (2x250MW) site rating, with GT Auxiliaries (Fuel gas and Fuel oil supply systems, Lube oil system, Hydraulic System, Compressed air system, cooling system, Purge /NOX water system).
 - One Mitsubishi Steam Turbine 250MW (HP, IP, LP) turbine.
 - Two HRSG Alstom horizontal type.
- One module consists of:
 - Two Gas Turbines GE types 9FA (2x250MW).
 - One Alstom Steam Turbine 250MW (HP, IP, LP) turbine.
 - Two HRSG STF horizontal type.
- Pump House by INITEC Company (CP-118) for (Circulation & Service pump & Fire pump & Raw pump) and Closed Cooling & High /Low Feed Water Pump.
- 500KV Double Bus bar Double Breaker switchyard by HITACHI.
- 220KV Double Bus bar Single Breaker with Bus Coupler switchyard by ABB.
- Four tie transformers 500/220/12KV.
- Two 500KV OHTL.
- Eight 220KV OHTL.
- Switchgear 6.3/0.4KV by Schneider.

Job title : Operation Shift Engineer

- Job Description** :
- Start-up and shutdown of the power station units steam and gas turbines.
 - Follow up the performance of the operating units.
 - Manage the power station in disturbed situations.
 - Follow up the work permits.
 - Connect and disconnect the switchyard equipment such as transformers, bus bar, over head transmission lines (OHTL).
 - Operation the Live Line Insulator Washing System (LLIWS).
 - Follow the dispatch load request.
 - Perform periodical tests.
 - Follow and deal with alarms in control room.

Employer : Middle Delta Electricity Production Company (MDEPC)

Project : Nubaria Combined Cycle Power Station

Job title : Operation Engineer of Switchyard 500/220KV

- Job Description** :
- Operation and maintenance for the switchyard equipments such as transformers, isolators, circuit breaker, insulators, surge arrestors.
 - Isolating and connecting the switchyard equipments such as transformers, bus bar, over head transmission lines (OHTL).
 - Operating and washing switchyard with (LLIW) system automatically and manually.
 - Follow and deal with protective alarms in control room.
 - Follow the status of all equipments with the national electricity control center.
 - The high voltage switchyard (500/220KV) consists of:
 - 500KV Double Bus Bar Double Breaker switchyard by HITACHI.

- 220KV Double Bus Bar Single Breaker with Bus Coupler switchyard by ABB.
- Four tie transformers 500/220/12KV.
- Two 500KV OHTL.
- Eight 220KV OHTL.

Employer : Middle Delta Electricity Production Company (MDEPC)
Project : Nubaria Combined Cycle Power Station
Job title : Training Engineer
Job Description : Giving training courses to engineers and technicians about the components of power plant and how to construct and operate the combined cycles (gas turbine - HRSG - steam turbine) and how to test the electrical equipments.

Employer : Oriental Weavers International
Job title : Electrical Maintenance Engineer
Job Description :

- Corrective and preventive maintenance of distribution transformers, feeders and cables.
- Maintenance of production lines control panels and induction motors.

Field of experience :

- Commissioning, start-up and operation for SIEMENS gas turbine.
- Commissioning, start-up and operation for GE gas turbine.
- Construction and testing to high and low voltage electrical equipments.
- Operation, maintenance of low voltage transformers, distributors.
- Operation and maintenance of switchyard 500KV & 220KV.
- How to train engineers and technicians everything about power plants.