

Holds a B. Sc. and a Diploma in Electrical Power & Machines Engineering. Has over 7 years hands-on experience working in operation field.

## **PERSONAL DATA**

Nationality : Egyptian  
Birth Date : 15/08/1987  
Gender : Male  
Marital Status : Married  
Residence : El-Behira

## **EDUCATION**

: B. Sc. in Electrical Power & Machines Engineering, Alexandria University, 2009  
: Diploma of Electrical Power & Machines Engineering, Alexandria University, 2009

## **LANGUAGES**

Arabic : Native Language  
English : Very Good

## **COMPUTER SKILLS**

: Windows, MS Office (Word, Excel, Access, Power Point), Internet  
: Programming languages: HTML & CSS3 & PHP & bootstrap and javascript

## **TRAINING COURSES AND CERTIFICATIONS**

: Many courses of water treatment and sewage treatment in the interval which I worked in water company.  
: Course in plc and scada and classic control.  
: Course ccna (cisco certified network associated).  
: I have been studying programmable language c# by myself.  
: ICDL  
: English course.

## **CHRONOLOGICAL EXPERIENCE RECORD**

**Dates** : From May 2012 till now  
**Employer** : Middle Delta Electricity Production Company (MDEPC)

- Project** : Nubaria Combined Cycle (2x750MW) Power Station:
- 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 switch yard by HITACHI.
  - 220KV Double Bus bar Single Breaker with Bus Coupler switch yard by ABB.
  - Four tie transformers 500/220/12KV.
  - Two 500KV OHTL.
  - Eight 220KV OHTL.
  - Switch gear 6.3/0.4KV by Schneider.
- Job Description** :
- Operation Shift Engineer (currently).
  - Operation Engineer of high voltage switchyard (500/220KV):
    - Operation and maintenance for the switchyard equipments such as transformers, isolators, circuit breaker, insulators, surge arrestors.
    - Connect and disconnect the switchyard equipments such as transformers, bus bar, over head transmission lines (OHTL).
    - Operation the Live Line Insulator Washing System (LLIWS).
    - Follow and deal with protective alarms in control room.
    - Follow the status of all equipments with the national energy control centre.
    - 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.
  - Operation Engineer of combined power plant:
    - Two modules, each module consists of:
      - Two Gas Turbines Siemens types V94.3A (2x250MW).
      - One Mitsubishi Steam Turbine 250MW (HP, IP, LP) turbine.
      - Two HRSG Alstom horizontal type.
  - Training Engineer:
    - Give a training course 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.

**Dates** : From May 2011 till May 2012  
**Project** : Large Treatment Water Plant (100000m<sup>3</sup> at day) in Damanhour

**Dates** : From Feb. 2010 till May 2011  
**Project** : Large Treatment Sewage Plant (100000m<sup>3</sup> at day) in Damanhour

- Field of experience** :
- Construction and testing to high and low voltage electrical equipments.
  - Operation, Maintenance of low voltage transformers, Distributors and transmission lines.
  - How to train engineers and technicians every thing about power plants.
  - Duties:
    - Estimate starting time for the idle generation units and follows prescribed start-up procedures to bring units on line at specified time.
    - Change the loading of turbine/generator as required from the board or through the electrical control system.
    - Read meters and records data at specified intervals in appropriate logs and computers.
    - Immediately reports malfunctioning equipment of abnormal meter readings / equipment performance to supervisor and complete the appropriate records.
  - Responsibilities:
    - Perform troubleshooting and documentation and assist in the resolution of problems discovered during the shift.
    - Ensure safety compliance of self and others. Performs all work in compliance with safety handbook
    - Issue equipment clearance and work permits. Develop and implement plant operating procedures.
    - Maintain working knowledge of electric control system and computers this knowledge is required to assess information and make changes to ensure safe, reliable operation.
    - Ensure the maintenance of the plant operating history through timely completion of plant logs and required documentation.