

Holds B. Sc. and a Diploma in Electrical Power Engineering and has about 8 years hands-on experience working in operation of gas turbines, HRSG and steam turbines.

## PERSONAL DATA

Nationality : Egyptian  
Birth Date : 16/10/1985  
Gender : Male  
Marital Status : Married  
Residence : El-Behira

## EDUCATION

: B. Sc. in Electrical Power Engineering, Alexandria University, 2008  
: Diploma in Electrical Power Engineering, Alexandria University, 2015

## LANGUAGES

Arabic : Native Language  
English : Good

## COMPUTER SKILLS

: Windows, MS Office (Word, Excel, Power Point), Internet  
: MS Visio  
: MATLAB (programming by with Graphical User Interface (GUI))  
: AutoCAD 2D  
: Programs of PIC microcontroller  
: Programs of Arduino microcontroller  
: Eagle (printed circuit board program)

## TRAINING COURSES AND CERTIFICATIONS

: Operation of NEM's HRSG (Heat recovery steam generator).  
: AREVA power transformer.  
: Schneider switchgear (Medium and low voltages).  
: Microcontrollers.  
: Training in Kafr El-Dawar Thermal Power Station.  
: Training in medium voltage distribution station (Kafr El-Dawar Distribution Station).

# CHRONOLOGICAL EXPERIENCE RECORD

- Dates** : From Dec. 2009 till now
- Employer** : West Delta Electricity Production Company (WDEPC)
- Project** : Sidi Krir Power Station 750MW (Combined Cycle), Alexandria
- Job title** : Field & DCS Operation Engineer
- Job Description** :
- Responsible for the safe operation of a wide range of equipment including:
    - 2 MHI Gas Turbine, 250MW each.
    - One Ansaldo Steam Turbine 250MW with HP, IP and LP turbines.
    - HP and IP bypass systems.
    - NEM HRSG with HP, IP and LP drums.
    - ATLAS COPCO natural gas compressors.
    - BOP including: HP/IP and LP feed water pumps, condensate pumps, main cooling pumps, closed cooling with plate heat exchanger LHE, service water pumps, circulating water pumps, Demi pumps, instrument & service air compressors and potable water systems, etc.
  - Inspect the units and its auxiliaries, electrical, mechanical, control and instrumentation equipment condition prior to start-up, during operation and after shutdown.
  - 500KV transformer (main transformers) energizing and de-energizing with dispatch.
  - 6.3KV different operation processes such as bus bar synchronizing incoming change over, etc.
  - Start-up, shut-down & safe operation for turbine (Ansaldo) and its auxiliaries including: lube, control oil systems, seal oil, seal steam systems, condenser vacuum evacuation system, generator cooling, filling systems, turbine extraction & Turbine drains.
  - Running the boiler, turbine and auxiliaries in good conditions to achieve the dispatch demand for most efficient and available load.
  - Perform necessary checks before equipment start-up.
  - Reviewing and supervising maintenance processes and confirm it.
  - Cooperate with maintenance departments for troubleshooting.
  - Prepare the daily performance reports.
  - Issuing the work permits for maintenance to ensure the safety for personnel and equipments.
  - Collect data, Analyze equipment behavior.
  - Making temporarily start-up & shutdown for equipment.
  - Check line-up and availability of stand by equipments.
  - Analyze periodical data collected weekly.