

Holds a B. Sc. in Electrical Power Engineering and has about 13 years hands-on experience working mainly in operation and construction.

## **PERSONAL DATA**

Nationality : Egyptian  
Birth Date : 29/09/1984  
Gender : Male  
Residence : Tanta

## **EDUCATION**

: B. Sc. in Electrical Power Engineering, Shbeen El Koom Engineering Collage, 2006

## **LANGUAGES**

Arabic : Native Language  
English : Good

## **COMPUTER SKILLS**

: Windows, MS Office (Word, Excel), Internet  
: AutoCAD 2D  
: Matlab

## **TRAINING COURSES AND CERTIFICATIONS**

: EHA ELECTRO HYDRAULIC AUTOMATION:  
• PLC programming.  
• Practical experience in choosing, connecting of PLC.  
• Practical experience in application of PLC.  
: Hunan International Business Vocational Collage (China): Development and Application of New Energy.  
: GENERAL ELECTRIC (GE):  
• GE Gas Turbine - Generator Operations.  
• GE Gas Turbine - Generator Maintenance.  
• Speedtronics MKVI Gas Turbine Maintenance.  
• GE Generator Excitation & Static Frequency Control.  
: SIEMENS: BASIC COURSE SST-900.  
: NEM: Training HRSG & HTF Heat Ex changers.  
: Orascom Construction Industries & Flagsol GmbH: CSP Plant Operation Works.

- : ABB: DCS Operation off Integrated Solar Combined Cycle Plant in El-Kureimat.
- : IBERDROLA ENGINEERING & CONSTRUCTION:
  - Electrical System Course.
  - SWITCHYARD Course.
  - Mechanical System Course.
- : ISTEM:
  - Public address and Trunking System Training Course.
  - Voice and Data System Training System.

## CHRONOLOGICAL EXPERIENCE RECORD

- Dates** : From Jul. 2011 till now
- Employer** : New & Renewable Energy Authority (NREA)
- Project** : ISCC in El-Kureimat, Cairo (Egypt)
- Job title** : Power Production Plant Operator Engineer
- Job Description** :
- Operator Engineer in 140MW CSP Integrated Solar Combined Cycle (ISCC) El-Kureimat Power Station, that include: GE (6001FA) gas turbine, Siemens (SST-900) steam turbine, HRSG (NEM), Kettle Boilers (NEM), Concentrated Solar Power (CSP) (Flagsol GmbH), Auxiliaries pumps, Fire pumps, Diesel engines and MV, LV transformers.
  - Local Operator:
    - Follow up and check all equipment that is operating properly and in proper case to operate in site.
  - Desk Operator of gas turbine and steam turbine:
    - Working on Mark VI and PCS7.
    - Follow up the operation of gas turbine and steam turbine, and taking good decision in good time, if any troubleshoot occurred.
  - Desk Operator of Balance of Plant (BOP):
    - Working in DCS to start heat recovery steam generation in different case operating (cold, warm and hot), auxiliaries pumps, cooling tower and transformers control.
  - Desk Operator of solar field:
    - Operate and follow up Concentrated Solar Power (CSP), temperature gradient and distribution in solar collectors, and HTF main pumps, HTF and freeze protection pumps and auxiliaries pumps.
    - Follow up solar collectors tracking and check that in proper case for operate and generate MW thermal.
  - Plant Shift Engineer, responsible for:
    - Supervise, instruct and coordinate with the assigned crew to full fill their job.
    - Monitor and optimize plant operation.
    - Assure satisfactory operation of the plant.
    - Maintain detailed logs for all operation activities.
    - Discover and maintain any unusual condition of any equipment operation.
    - Report the work orders of preventive and breakdown maintenance of any equipment.

- Dates** : From Jan. 2008 till Jun. 2011
- Employer** : Ministry of Electricity and Energy / New and Renewable Energy Authority (NREA), Cairo (Egypt)
- Project** : ISCC in El-Kureimat, Cairo (Egypt)
- Job title** : Electrical Project Engineer
- Job Description** :
- Electrical Site Engineer in 140MW CSP Integrated Solar Combined Cycle (ISCC) El-Kureimat Power Station, that include: GE (6001FA) gas turbine, Siemens (SST-900) steam turbine, HRSG (NEM), Kettle Boilers (NEM), Concentrated Solar Power (CSP) (Flagsol GmbH), Auxiliaries pumps, Fire pumps, Diesel engines and MV, LV transformers.
  - Responsible for:
    - Supervise and follow up installation and test works of the gas turbine, the steam turbine, auxiliaries pumps and the transformers.
    - Follow up assemblage of solar collectors mirrors and torque boxes.
    - Supervise the balance tests of solar collectors.
    - Follow up the installation of HTF main pumps and freeze protection pumps.
    - Supervise the grounding of the plant, power cables extension, cable trays installation MV, LV switch gear installation and general electrical works.
    - Follow up Mobil Test Unit (MTU) of solar field.
    - Coordinate the operation testing, commissioning and preparing all plant locally.
    - Follow the system flushes, steam blows and hydrostatic and pneumatic testing.
    - Attend and report minutes of meeting between the contractors, the consultant and the owner.
- Dates** : From Oct. 2006 till Dec. 2007
- Employer** : Abu-Zaabal Engineering Industries Company (Hot and Cold Mill Project) / Ministry of Military Production, Cairo (Egypt)
- Job title** : Electrical Maintenance Engineer