

Holds a B. Sc. in Electrical Power & Machines Engineering and has over 3 years hands-on experience working in operation, commissioning and start-up at Assiut Power Plant.

## **PERSONAL DATA**

Nationality : Egyptian  
Birth Date : 10/11/1991  
Gender : Male  
Marital Status : Single  
Residence : Assiut

## **EDUCATION**

: B. Sc. in Electrical Power & Machines Engineering, Assiut University, 2014

## **LANGUAGES**

Arabic : Native Language  
English : Very Good

## **COMPUTER SKILLS**

: Windows, MS Office, Internet  
: Simulation software programs  
: C++  
: Adobe Photoshop cs6

## **TRAINING COURSES AND CERTIFICATIONS**

: Industrial PLC (Programmable logic controller) Basic & Advanced Application, JELECOM EGYPT. Can program many PLC types such as (Siemens, LG, Mitsubishi, Allen Bradley and Zelio).  
: Intel Microsoft certification for ICDL.  
: Distribution and Protection course at Electrical Engineering Department.  
: Lightening Protection.  
: Motors and equipment.  
: Matlab introduction.  
: DIALUX & AUTOCAD.  
: Gas Turbine operation Training.  
: MARK VIE controller from General Electric Company (GE).

- : Operating and performing all electrical maneuvers of medium and low voltage (6.6KV/400V) by Schneider Electric.
- : Steam Turbine GE D202 Operating Training.
- : Excitation System EX2100 training.
- : GIS (SIEMENS) Training.
- : Training event in Power Station in Assiut.
- : Training event in Power Station & Distribution Station in Assiut.
- : Operation & Maintenance of (steam power plant - gas power plant - combined circuit power plant).
- : Acquaintance with (generators - CB's - transformers - instruments).

## CHRONOLOGICAL EXPERIENCE RECORD

- Dates** : From Nov. 2015 till now
- Project** : Gas Turbine GE Frame MS9001E 8x125MW at West Assiut Combined Power Plant (1500MW), Assiut, Egypt  
Two modules (2x750MW), each module consists of:
- Four units Gas Turbine GE Frame MS9001E - Generator Drive (125MW).
  - Four Vertical Doosan HRSG (commissioning and start-up).
  - One GE D202 Steam Turbine - Generator Drive (250MW) (commissioning and start-up).
- Job Description** :
- Operation Engineer (GT & GIS & BOP):
    - Dealing with (MARK VIE (GE) – Symphony (ABB), Siprotec device (Siemens), SANCO).
    - Follow the Dispatch Load Request. Perform Periodical Test.
    - Start-up and Shut down of the Units.
    - Record operation and maintenance actions taken during shift in operator's logbook.
    - Detect and diagnose malfunction of equipments and prepare for work orders.
    - Check parameters quality, Monitor alarmist and Check event list from DCS.
    - Lock-out & Tag-out for chemical, mechanical and electrical.
    - Issue of safety isolation and precaution for work permits.
    - Monitor GT sensors and transmitters on HMI and make sure vibration, temperature, pressure sensors are at normal limits.
    - Prepare daily report.
    - Control power generating equipment, turbines, generators, or reactors.
    - Control or maintain auxiliary equipment, such as pumps, fans, compressors, condensers, filters, or chlorinators, to supply water, fuel, lubricants, air, or auxiliary power.
    - Communicate with NATIONAL DISPATCH CENTER to regulate and coordinate line voltages and transmission loads and frequencies.
    - Responsible for operation of BOP pumps of (Demin, Service, potable & water well pumps).
    - Operating on 220KV GIS (One and Half):

- ❖ Connecting and disconnecting.
- ❖ SF6 Circuit breakers, Disconnecting Switches, Earthing Switches.
- ❖ Battery system and battery chargers.
- The Steam Turbine D202 and HRSG (commissioning and start-up):
  - Start-up Feed water Pumps, Condensate System, Closed Cooling systems, Potable water system, Chemical system, Fire system.
  - Hydro test and Chemical cleaning (FW - C.C - CND - LP - HP system).
  - Air blows on instrument air and service air systems.
  - Start-up and lineup Steam blowing.
- HRSG (Doosan):
  - Developed plant operating procedures.
  - Pre-commissioning and commissioning procedures.
  - Function test.
  - Hydro test.
  - HRSG chemical cleaning.
  - Steam Blow.
  - System walk-downs to identify mechanical punch-list items.