

Holds a B. Sc. in Telecommunication & Electronics Engineering and has over 9 years hands-on experience working in operation, commissioning and start-up at Combined Cycle Power Plants.

## PERSONAL DATA

Nationality : Egyptian  
Birth Date : 08/01/1983  
Gender : Male  
Marital Status : Single  
Residence : Giza, Cairo

## EDUCATION

: B. Sc. in Telecommunication & Electronics Engineering, Al-Azhar University, 2007  
: Post graduated study in Haplography over Fiber Optics

## LANGUAGES

Arabic : Native Language  
English : Very Good

## COMPUTER SKILLS

: Windows, MS Office, Internet  
: QBasic programming

## TRAINING COURSES AND CERTIFICATIONS

: On-Shore Training for GE Gas Turbine. 9FA (3 weeks) under the direction of GE in Giza North Power Station.  
: Training course in Belfort, France (4 weeks), under the direction of GE Industries Ltd., covered the following:

- 9FA Gas turbine & Generator Operations.
- Visited Manufactories.
- Auxiliary Equipment control.
- Mark VIe control training course.
- EX2100e training course.
- Contracture of units.

: Training Course in Cairo North Power Station (1 week), under the direction of operation engineers for GE gas turbine.  
: On-Shore in Cairo North Power Station practical training (12 weeks) for combined cycle operation.

- : On-Shore Training for STF six units of HRSG (4 weeks) under the direction of STF in Giza North Power Station.
- : On-Shore Training for Ansaldo Energia Three units of STG (4 weeks) under the direction of Ansaldo Energia in Giza North Power Station.
- : Another Training Courses at Giza North Power Station Site in:
  - Operation Gas Isolation System (GIS) 500/220KV by Substation Automation System (SAS) "protection & Control".
  - Hydraulic Power Unit maintenance & operation.
  - Service & Instrument Air Compressors.
  - Service, raw and closed cooling pumps.
  - Firefighting system.
  - Motor control center (MCC).
  - Distributive control system (DCS).
  - Programmable Logic control (PLC).

## CHRONOLOGICAL EXPERIENCE RECORD

- Dates** : From Nov. 2016 till now
- Employer** : South Cairo Electricity Distribution Company (CEDC)
- Job title** : Electrical Engineer (Site Engineer)
- Job Description** :
  - Connecting medium network, low voltage net works, leading an electrical techs, planning for daily work, giving the daily job situation for the chief engineer, monitoring the electrical power and control panels, design the interior power, light low current systems.
  - Review design drawing from consultant.
  - Medium Voltage Cables Engineer (testing and maintenance) and Transformer maintenance tasks.

- Dates** : From Jan. 2012 till Nov. 2016
- Employer** : Cairo Electricity Production Company (CEPC)
- Project** : Giza North Combined Cycle Power Plant 2250MW:  
Three modules, each module consist of:
  - Two GE gas turbines 250MW model MS9001FA - (DLN2.6), H2 cooled generators.
  - Two STF horizontal type HRSGs.
  - One Ansaldo Energia steam turbine 250MW (HP, IP and LP).
  - 220KV switch yard.
  - 500KV switch yard.
  - Medium (6.3KV) and low (400v) voltage switch gear.
- Job title** : Erection, Commissioning, Start-up, Witness & Operation Shift Engineer
- Job Description** :
  - Commissioning and testing for GT.
  - Initial gas turbine start-up.
  - Operation GT during reliability and performance test.
  - Working as Operation & Start-up Engineer responsible for:
    - Survey in field for more check and confirmation of safe operation of equipment.
    - Supervision of all flushing (LF, lube oil, CCW, firefighting ..... etc.).
    - Operation of firefighting system.
    - Lock out tag out for Electrical & Mechanical Equipment's before & after Work orders.

- Conducting all preparation steps of units in field to realize permissive for startup from control room such as (filling line of water free of bubbles, all safety valves ready, coolers in service, all skids of hydraulic and pneumatic ready, firefighting ready, all electrical power source ready position of motorized valves in auto mode and ready to work locally, all manual valves before and after control and motorized valves shall be open, etc.
- Operation for Gas Turbine commissioning and start-up for Combustion Turbine Generator (GE).
- Responsible of startup, operation, remarking alarms of units from control room and solve operation problems.
- Commissioning, start-up and operation for steam turbine (Ansaldo Energia 250MW).
- Commissioning and first start for all pumps, instrument & service compressors.
- Commissioning, steam blow out, start up and operation for 2 Heat Recovery Steam Generation.

**Dates** : From Aug. 2008 till Dec. 2011

**Employer** : Cairo Electricity Production Company (CEPCO)

**Project** : South (1 & 2) Combined Cycle (550 & 150MW) Power Station:  
Each module consist of:

- Three GE combustion gas turbines 110MW Frame 9.
- Three Alstom horizontal type heat recovery steam HRSG.
- Four Siemens Steam Turbines (4x60MW).

**Job title** : Operation Engineer for Combustion Turbine Generator (GE 9F)