

Holds a B. Sc. in Mechanical Power Engineering and has about 9 years hands-on experience working in operation, commissioning and start-up at several Power Plants.

## PERSONAL DATA

Nationality : Egyptian  
Birth Date : 21/03/1983  
Gender : Male  
Marital Status : Married  
Residence : El-Behira

## EDUCATION

: B. Sc. in Mechanical Power Engineering, Kafr El-Sheikh University, 2007

## LANGUAGES

Arabic : Native Language  
English : Very Good

## COMPUTER SKILLS

: Windows, MS Office, Internet  
: QBasic programming

## TRAINING COURSES AND CERTIFICATIONS

- : Basic Operation Training for Siemens Gas Turbine (V. 94.3A) and Generator, under the direction of Siemens PG in Egypt.
- : Basic Training Course for MHI steam Turbine (TCDF 35.4") and Generator, under the direction of Mitsubishi Electric Corporation Energy Systems Center in Japan.
- : Basic Operation Training for GE Gas Turbine (V. 9FA) and Generator, under the direction of GE in Egypt.
- : HRSG Operation training in Nubaria Power Plant (STF).
- : Fire and Civil Defense training in Nubaria Power Station.

## CHRONOLOGICAL EXPERIENCE RECORD

Dates : From Jul. 2016 till now  
Employer : Orascom Construction

**Project** : Burullus Combined Cycle Power Plant (4x1200MW)  
Consists of 4 modules, each module consists of:

- Two SIEMENS gas turbines 400MW
- Two horizontal type HRSG
- One SIEMENS steam turbine 400MW (HP, IP and LP)
- Auxiliaries (cooling tower, Demi water, service water, Air comp, Fire fighting, closed cooling, circulating Systems ...etc.)

**Job title** : Commissioning & Start-up Engineer

**Dates** : From Feb. 2016 till May 2016  
**Employer** : GE - [EGYPTROL](#)  
**Project** : Al Hamra Power Plant – 4x25MW GE Gas Turbine TM 2500  
**Job title** : Start-up & Operation Engineer  
**Job Description** :

- Performing the unit start-up and shutdowns.
- Monitor the operation of a power generating unit to ensure reliable and efficient generation.
- Analyze turbine faults, investigate and recommend solutions.
- Do regular maintenance and field services.

**Dates** : From Feb. 2014 till Feb. 2016  
**Employer** : PGESCO (Power Generation Engineering & Service Co.)  
**Project** : Giza North Combined Cycle Power Station (2250MW):

- 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)
- Auxiliaries (service, closed cooling, circulating systems, etc.)
- 500/220KV GIS

**Job title** : Operation Engineer & LOTO & Permit ADMINISTRATOR  
**Job Description** :

- Responsible for managing and authorizing the daily LOTO / PTW / TSA Permitting (Lock out - Tag Out / Permit to Work / Task Safety Awareness).
- Responsible for the preparation, organizing, and authorization of the required forms prior the execution of any activities under the custody and control of the Commissioning Team.
- Responsible for supporting the Commissioning Leads in the preparation and issuing the required authorizations in a timely manner so as to not delay the Planned and or reactive daily activities.
- Follow up the plant pre-commissioning, commissioning and testing activities on plant and equipments.
- Follow up CTG, HRSG and STG units operation during reliability and performance test.

**Dates** : From Dec. 2012 till Feb. 2014  
**Project** : Nubaria Combined Cycle Power Station Module III (750MW):

- Two GE gas turbines 250MW frame MS9001FA
- Two horizontal STF HRSG
- One ALSTOM steam turbine 250MW (HP, IP, LP stages)
- Auxiliaries (service, closed cooling, circulating systems, etc.)

- 500KV switchyard
- Medium (6.3KV) and low (400 V) voltage switchgear

**Job title** : Start-up & Operation Engineer in Siemens Gas Turbine (V.94.3A)

**Dates** : From Feb. 2012 till Dec. 2012

**Employer** : KHARAFI NATIONAL

**Project** : DAMIETTA Simple Cycle Power Plant 500MW (4x125MW), Egypt

**Job title** : GE 9E Gas Turbine Operation, Commissioning & Start-up Engineer

**Job Description** :

- Commissioning and testing for GT.
- Initial gas turbine start-up.
- Operation GT during reliability and performance test.
- Working as Operation Engineer responsible for:
  - Conducting all preparation steps of units in field to realize permissive for start-up 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.
  - Responsible of start-up, operation, remarking alarms of units from control room and solve operation problems.
  - Survey in field for more check and confirmation of safe operation of equipment.

**Dates** : From May 2011 till Feb. 2012

**Employer** : Middle Delta Electricity Production Company (MDEPCO)

**Project** : Nubaria Combined Cycle Power Station – Module III (750MW):  
One Module consists of:

- Two GE combustion gas turbines 250MW type MS9001FA
- Two STF horizontal type heat recovery steam HRSG
- One ALSTOM steam turbine 250MW type HP, IP and LP steam lines
- 220KV switchyard
- 500KV switchyard
- Medium (6.3KV) and low (400 V) voltage switchgear

**Job title** : Erection, Commissioning, Combustion Inspection Maintenance, Start-up Witness & Operation Engineer for GE gas turbine MS9001FA

**Job Description** :

- Operation and maintenance for Gas Turbine & Steam Turbine, commissioning and start-up for Combustion Turbine Generator (GE).
- Commissioning, start-up and operation for steam turbine (Alstom 250MW).
- Commissioning, steam blow out, start-up and operation for 2 Heat Recovery Steam Generators.
- Operation of fire fighting system.
- Lock out tag out for Electrical & Mechanical Equipment's before & after Work orders.

**Dates** : From Jan. 2009 till May 2011

**Employer** : Middle Delta Electricity Production Company (MDEPCO)

**Project** : Nubaria Combined Cycle Power Station

- Job title** : Commissioning & Start-up & Liquid Fuel Commissioning & Combustion Inspection & Hot Gas Pass Inspection Witness & Operation Engineer for ALSTOM steam turbine 250MW
- Job Description** :
  - Commissioning, start-up and operation for steam turbine (Alstom 250MW).
  - Commissioning, steam blow out, start-up and operation for 2 Heat Recovery Steam Generators.
  - Operation of fire fighting system.
- Dates** : From Aug. 2008 till Jan. 2009
- Employer** : Middle Delta Electricity Production Company (MDEPCO)
- Project** : Nubaria I & II Combined Cycle Power Station (2x750MW):
  - Two modules, each module consists of:
    - Two SIEMENS gas turbines 250MW type V94.3A
    - Two horizontal ALSTOM HRSG
    - One ALSTOM steam turbine 250MW (HP, IP, LP)
    - Auxiliaries systems (service, closed cooling, circulating)
  - 220KV switchyard
  - 500KV switchyard
  - Four tie transformers 500/220KV
  - Medium and Low Voltage Switchgear
- Job title** : Commissioning & Start-up & Liquid Fuel Commissioning & Combustion Inspection & Hot Gas Pass Inspection Witness & Operation Engineer for Combustion Turbine Generator SIEMENS 94.3A
- Field of experience** :
  - Erection, commission, start-up, combustion inspection and operation gas turbine Engineer for GE 9E, GE 9FA & Siemens V94.3A.
  - Start-up and operation HRSGs.
  - Commissioning & start-up and operation of steam turbines (cold start & warm start & hot start).
  - Check and operation the field equipments (valves, pumps, etc.).
  - Start-up and operation all auxiliary systems (service water, closed cooling water, circulating water, compressed air, etc.).
  - Participated in steam blow test for the heat recovery steam generators and all related constructions (it's the most important test for the boiler before starting).
  - Responsible for site acceptance tests (cleaning, commissioning and function tests) for HRSGs & STEAM TURBINE and it's associated auxiliaries.
  - Perform the steam blow-out activities for HP steam & HRH & CRH steam & LP steam lines.
  - Perform the chemical cleaning according to procedures for condensate system & feed water system.
  - Operation of high, medium & low voltage switchgears & load centers.
  - Attending of construction, start-up, commissioning, first energize for the transformers.
  - Perform safety work permit system.
  - Operation of fire and fighting system.
  - Excellent knowledge of DCS systems.
  - Participated in training the new Engineers in Nubaria Power Plant.

**Summary:**

- About 9 years experience in power plants.
- Follow up the plant pre-commissioning, commissioning and testing activities on plant and equipment.
- Carry out the Load Rejection test, Reliability test and Performance test within all applicable guidelines.
- Operate and monitor all plant system both from the Control room and locally as required, maintaining the unit within all applicable guidelines and regulations including emissions, efficiency, heat rate and safety.
- Maintain a complete set of logs to include all information during normal operation and during operational excursions.
- Carry out minor maintenance on shift when required.
- Troubleshoot all plant systems and submit work requests.
- Conduct plant inspection tours in a professional manner, and ensure that the stations general housekeeping is completed.
- Acting as the Emergency Controller during the initial stages of an incident/emergency.
- I worked as a Start-up Operation Engineer for GE gas turbines frame MS9001FA (250MW), GE gas turbine frame 9E (125MW), Siemens gas turbine frame V94.3A, ALSTOM steam turbine, ANSALDO steam turbines, STF HRSG and all BOP systems in combined cycle power plant, also I worked as an Operation Engineer for high, medium and low voltage switchgears & load centers.