

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

## **PERSONAL DATA**

Nationality : Egyptian  
Birth Date : 15/12/1983  
Gender : Male  
Marital Status : Married  
Residence : Currently KSA

## **EDUCATION**

: B. Sc. in Electrical Power & Machines Engineering, Alexandria University, 2007

## **LANGUAGES**

Arabic : Native Language  
English : Very Good

## **COMPUTER SKILLS**

: Windows, MS Office (Word, Excel, Access, Power Point), Internet

## **TRAINING COURSES AND CERTIFICATIONS**

- : On-shore training of ALSTOM (HRSG) operation, PP12 Riyadh – Saudi Arabia.
- : On-shore training of ALSTOM steam turbine operation, PP12 Riyadh – Saudi Arabia.
- : On-shore training of GE (7FA.05) gas turbine operation, PP12 Riyadh – Saudi Arabia.
- : Training of steam turbine operation and maintenance by Middle Delta Electricity Production Company, Nubaria (Oct./Nov. 2008).
- : HRSG training course by Middle Delta Electricity Production Company, Nubaria (Nov. 2008).
- : Basic operation on gas turbine by Middle Delta Electricity Production, Nubaria (Oct. 2008).
- : Training on operation and maintenance of switchyard 500KV & 220KV, Nubaria (Nov./Dec. 2008).
- : Training course on fire fighting, civil safety and rescue, Ministry of Interior Affairs, Damanhour (Jan./Feb. 2012).

# CHRONOLOGICAL EXPERIENCE RECORD

**Dates** : From Jan. 2016 till now  
**Employer** : Saudi Electricity Company (SEC)  
**Project** : PP12 Combined Cycle Power Plant  
(consists of two blocks; each block consists of 4x172MW GE Gas Turbine (7FA.05) controlled by Mark VIe, 4 ALSTOM HRSG horizontal type and 1x340MW ALSTOM steam turbine controlled by ALASPA and YOKOGAWA DCS system In addition to the balance of plant systems)  
**Job title** : Shift Charge Engineer  
**Job Description** :

- Issue PTWs with Log Out / Tag Out (LOTO) System.
- Safe start-up and shut down operation.
- Manage the power plant in disturbed situations.
- Perform complete isolation and normalization procedures of electrical equipment.
- Perform periodical test.
- Fast acting in emergency cases.
- Prepare the daily reports about the plant.
- Lead the team work to get higher performance.
- Follow dispatch instructions for load demand.
- Follow the safety instructions in power plant.
- Follow the safe work procedures equipment operation.

**Dates** : From Mar. 2014 till Dec. 2015  
**Employer** : Saudi Electricity Company (SEC)  
**Project** : PP12 Combined Cycle Power Plant  
**Job title** : Start-up & Commissioning Engineer  
**Job Description** :

- Supervise commissioning activities, following the construction activities, following the engineering change and handed over for operation BOP systems and all the pre-commissioning for 8x172MW GT (7FA.05), making commissioning procedure for condensate system, feed water system, demine water system, closed cooling system, firefighting system, fuel oil system, fuel gas system, chlorination system, water treatment system, desalination system, GT inlet air chiller system, compressed air system, draining system, HP/LP bypass systems and lube & lifting & hydraulic oil systems.
- Participate in pre-construction Engineering reviews and project planning.
- Reviewing drawings and specifications to ensure a thorough understanding of plant operational and safety related issues.
- Ensure all construction activities are completed prior to taking up the system for commissioning.
- Support the pre commissioning the (Start-up) Sigma steam blowing.

**Dates** : From Feb. 2008 till Feb. 2014  
**Employer** : Middle Delta Electricity Production Company (MDEPC)  
**Project** : Nubaria Combined Cycle Power Station  
(consists of two blocks, each block consists of 2 SIEMENS gas turbines V94.3 (250MW), 2 ALSTOM HRSG horizontal type and MITSUBISHI Steam Turbine (250MW) in addition to the extension of third block 2 GE gas turbine

- 9FA (250MW) and ALSTOM steam turbine (250MW), in addition to the balance of plant systems)
- Job title** : Operation Shift Engineer
- Job Description** :
- Start-up and shutdown of the power plant units steam and gas turbines.
  - Follow up the performance of the operating units.
  - Manage the power plant in disturbed situations.
  - Issue and follow up the work permits.
  - Perform the isolation and normalization procedures of substation equipments such as transformers, bus bar, over head transmission lines (OHTL).
  - Operation the Live Line Insulator Washing System (LLIWS).
  - Follow the dispatch load request.
  - Perform periodical tests.
  - Follow and deal with alarms in control room.
- Field of experience** :
- Commissioning, start-up and operation for GE Gas Turbine 7FA.05.
  - Basic Operation of GE Gas Turbine 9FA (250MW).
  - Basic Operation of Siemens Gas Turbine V94.3A (250MW).
  - Commissioning, start-up and operation for ALSTOM Steam Turbine (344.4MW).
  - Basic Operation of Mitsubishi Steam Turbine (250MW).
  - Basic Operation of ALSTOM horizontal type heat recovery steam generator.
  - Start-up and operation all auxiliary systems (service water, closed cooling water, Circulating water, compressed air, chiller system ...etc.).
  - Check and operation the field equipments (valves, pumps ...etc.) and all related constructions (it's the most important test for the Boiler before starting).