

Holds a B. Sc. in Electrical Engineering and a Diploma in Electrical Power. Has about 14 years experience working in operation, commissioning and start-up at Power Plants.

## **PERSONAL DATA**

Nationality : Egyptian  
Gender : Male  
Residence : Mansoura

## **EDUCATION**

- : B. Sc. in Electrical Engineering, Mansoura University, 2010
- : Diploma in Electrical Power, Mansoura University, 2013

## **LANGUAGES**

Arabic : Native Language  
English : Good

## **COMPUTER SKILLS**

- : Windows, MS Office, Internet

## **TRAINING COURSES AND CERTIFICATIONS**

- : Site training for GE gas turbine: Attended Gas Turbine training for MS9001FA+e Gas Turbine operations in Banha (Apr. 2013).
- : Site training for GIS: Attended course of Hyndai Heavy Industries job site training program for testing and operation of 245KV GIS, Banha (Apr./May 2013).
- : Training in Ansaldo Caldaie H.O: Attended HRSG Operation course (design, pressure parts, valves and actuators, main components, Parcol, ABB), Banha CCPP 750MW (2 x 3 levels + RH HRSG) in Gallarate, Varse, Italy & Gioia del Colle, Bari, Italy (Mar. 2014).
- : Training in ABB Co.: Training in operation, configuration and maintenance for pressure transmitters 266 series and temperature transmitters TTF300 Hand terminals DHH805 in Switzerland (Mar. 2014).
- : Training in Hyundai Heavy Industries: Training for testing and operation of 245KV GIS (Operation and Switchyard Equipment – 220KV SF6 CB, Isolator, Earthling Switch) in Ulsan, South Korea (Apr./May 2013).

# CHRONOLOGICAL EXPERIENCE RECORD

**Dates** : From Jul. 2019 till now  
**Employer** : Middle Delta Electricity Production Company  
**Project** : Banha Power Plant (750MW)  
**Job title** : Shift Charge Engineer  
**Job Description** :

- Ensure the operation of power plant in accordance with established rules and regulations.
- Maintain equipment as required.
- Evaluate generation availability for generation units and provide declared available capacity information to national power control center.
- Supervise all aspects of the combined cycle power plant operations during assigned shift and effectively provide direction operators.
- Compile data pertaining to daily operation report, weekly and monthly reports.
- Complete systems, Emergency operating procedures
- Effectively troubleshoot, diagnose and resolve issues and equipment deficiencies.
- Establish and maintain effective working relationships with other employees and supervisors.
- Deliver Trainings to field operators and control Room operators.
- Implement scheduled and emergency equipment changeovers / testing in order to ensure healthy condition of equipment.

**Dates** : From Aug. 2018 till Jul. 2019  
**Employer** : Ansaldo Energia  
**Project** : 6 October Power Plant  
**Job title** : Shift Charge Engineer (Ansaldo Gas turbine (4x150MW), Ansaldo Energia steam turbine (350MW))  
**Job Description** :

- Lead a team for safe and reliable operation of combined cycle power plant under commissioning.
- Commissioning Superintendent with steam blowing for 4 HRSG.
- Supervise for prepare and line up steam blowing.
- Perform loop check for motor valve of AC BOILER HRSG.
- Perform chemical cleaning for HP & LP system.
- Perform start-up and shutdown for the HRSG.
- Perform start-up and commissioning for steam turbine and its auxiliaries.
- Start-up and commissioning for: Feed water pumps, condensate pumps closed cooling systems, potable water systems and chemical systems.
- Coordinate with permit holders for easy tracking of permits on site.
- LOTO and PTW (permit to work).

**Dates** : From Aug. 2017 till Aug. 2018  
**Employer** : [EGYPTROL](http://www.egyptrol.com), AC Boilers Subcontractor  
**Project** : El-Shabab Power Plant  
**Job title** : Commissioning Engineer for HRSG  
**Job Description** :

- Commissioning for (Diverter damper & Seal Air Fan system - Condensate Preheater System - HP System - LP system).
- Prepare and perform system flushes, HRSG Chemical Cleaning, steam

- blowing, hydrostatic and Pneumatic valve testing.
- Coordinate the activities for pre-commissioning.
- Perform start-up and shutdown for the HRSG.
- Perform HRSG Test (Run back test - Load rejection test - Performance - Reliability - Safety Valves Test).

**Dates** : From Dec. 2012 till Aug. 2017

**Employer** : Middle Delta Electricity Production Co.

**Project** : Banha Power Plant (750MW CCPP 2x2x1):

- 2x250MW Gas Turbine (GE Frame 9FA-DLN2.6+ controlled by Speedtronic Mark VIe).
- 2 HRSG (Ansaldo Caldaie 2 x 3 levels + RH HRSG).
- 1 Steam Turbine (Ansaldo Energia).
- Distributing control system "Yokogawa DCS".

**Job title** : Control Room Operating Engineer

**Job Description** :

- Joining the preparation team for New Banha Project 750MW combined cycle. Studying scope of work, submittal, drawing and in site follow up installation inspection and commissioning till operation to grid. 2x250MW GE Gas Turbine has been in commercial operation.
- Attending installation of Banha Power Station Project (Gas Turbine, Steam Turbine and HRSG).
- Attending start-up, commissioning of Banha Power Station Project (Gas Turbine, Steam Turbine and HRSG), the First Energize of GIS, First Fire for Gas Turbine and the steam blow for HRSG.
- Perform and assist to achieve the optimum conditions for the unit operation during the steam blow-out activities for HP steam, HRH & CRH steam, and LP steam lines as BOP Operator from field and DCS and steam turbine bypass operation period before start-up tests.
- Make sure all systems are completed before taking over by commissioning team and following up to remove the remaining open points through punch lists by owner team.
- Troubleshooting, effective response to emergency conditions and compliance to safety procedure.

**Dates** : From Dec. 2010 till Dec. 2012

**Employer** : Middle Delta Electricity Production Co.

**Project** : Talkha Steam Power Station (2x210MW)  
(steam turbine and boiler and its auxiliaries made by SKODA)

**Job title** : Boiler Operator (Control Room & Field Operator)

**Job Description** :

- Worked as Control Room Operator, doing the following:
  - Operating the boiler properly regarding:
    - Drum level, steam flow and feed water flow rate.
    - Metal temperature of super-heaters, Re-heaters and water drum.
    - Outlet steam properties and inlet feed water properties (temperature, pressure, PH No, conductivity and percentage of silica).
    - Furnace pressure, inlet air and outlet flue gases properties (temperature, pressure, excess air percent and (CO, CO2, O2) percent.

- Operating all boiler equipments from DCS, such:
  - Air Heaters, Forced Draft fans, GR Fans, Aux Fans and burners.
  - Mazout pumps, SCAPH in mazout firing and soot blowers.
- Worked as Field Operator, doing the following:
  - Observe operating conditions of all boiler equipments.
  - Keep reading of equipment parameters (bearing temp, vibration, etc.).
  - Inform Shift Supervisor with any field troubles or break downs.
  - Isolate any equipment manually as required in work orders to hand over to maintenance.
  - De-isolate the equipment, test operation to take over after finishing maintenance.