

Holds B. Sc. and M. Sc. in Mechanical Power Engineering and has 13 years experience working in operation, protection, commissioning and start-up of gas and steam turbine generating units, HRSG and auxiliaries at several Power Plants.

## **PERSONAL DATA**

Nationality : Egyptian  
Birth Date : 21/10/1989  
Gender : Male  
Marital Status : Married  
Residence : Tanta

## **EDUCATION**

- : B. Sc. in Mechanical Power Engineering, Banha University, 2011
- : M. Sc. in Mechanical Power Engineering, Tanta University, 2018

## **LANGUAGES**

Arabic : Native Language  
English : Very Good

## **COMPUTER SKILLS**

- : Windows, MS Office (Word, Excel, Power Point), Internet
- : AutoCAD, ANSYS

## **TRAINING COURSES AND CERTIFICATIONS**

- : Certificated of International Computer Driving License (ICDL).
- : PLC Level #1 at Panasonic (Faculty of Engineering - Ain Shams University).
- : Air Conditioning at Banha Faculty of Engineering.
- : Soft Skills at Logic Academy, Tanta (Interpersonal, Presentation).
- : Passed an intensive English language course in partial Fulfillment of the requirements for the Master Degree at Tanta University.
- : Attended an advanced English course in the British Academy.
- : Attended training in Ansaldo Caldaie: HRSG Operation course (Design, Pressure Parts, Valves and actuators, Main components, Parcol, ABB) BANHA Project, CCPP 750MW (2 x three Levels + RH HRSG) (Mar. 2014 in Gallarate, Varese, Italy and Gioia del Colle, Bari, Italy).

- : Training in ABB Company in operation, configuration and maintenance for Pressure transmitters 266 Series and Temperature transmitters TTF300 Hand terminals DHH805 (Mar. 2014 in Switzerland).
- : Attended Gas Turbine training for MS9001FA+e Gas Turbine operations in Banha, Egypt.
- : Attended the Course of Hyundai Heavy Industries' job site training program for testing and operation of 245KV GIS (2013), Banha, Egypt.
- : Completed the Training Course for Hyundai Pump for Vertical Pumps (CWP & SWP & RWP) Mechanical & Electrical & Instrument Parts.
- : Completed the course of training on CENTUM VP OPERATION (Yokogawa Middle East & Africa).
- : Completed the course of training on Safety in Banha Power Station.
- : Completed the training course of protection and measurement in North Delta Electricity Distribution Company.
- : Completed the training course of MATLAB Level 1 at Engineers Syndicate in Kafr El-Sheikh.
- : Had trainings at Cairo Oil Refining Co., Talkha Power Station, Ghabour Auto.

## CHRONOLOGICAL EXPERIENCE RECORD

**Dates** : From Oct. 2020 till now

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

**Project** : Banha Power Plant (750MW)

**Job title** : Shift Charge Engineer

**Job Description** :

- Ensured the operation of power plant in accordance with established rules and regulations.
- Maintained equipment as required.
- Evaluate generation availability for generation units and provide declared available capacity information to national power control center.
- Supervised all aspects of the combined cycle power plant operations during assigned shift and effectively provide direction operators.
- Compiled data pertaining to daily operation report, weekly and monthly reports.
- Completed systems, Emergency operating procedures.
- Effectively troubleshoot, diagnose and resolve issues and equipment deficiencies.
- Established 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. 2017 till Aug. 2018

**Employer** : Ansaldo Caldaie (AC Boiler)

**Project** : El-Shabab Power Plant

**Job title** : Commissioning Engineer for HRSG Power Plant (8x125MW)

**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 Sep. 2013 till Oct. 2020

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

**Project** : Banha Power Station 750MW:

- Two GE CTG x 250MW Type MS9001FA+e (Mark VIe control).
- Two Horizontal Ansaldo Caldaie HRSGs.
- One Ansaldo Energia STG 250MW (HP, IP, LP).
- 220KV Switch Yard.
- Medium and low Switch Gear.
- Module auxiliaries.

**Job title** : Control Room Operating Engineer

**Job Description** :

- Joining the preparation team for New Banha Project 750MW combined cycle.
- Studying scope of work, submittal, drawings and in site follow up installation inspection and commissioning till operation to grid.
- 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 B.O.P 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.
- Trouble shooting, effective response to emergency conditions and compliance to safety procedure.

**Dates** : From Oct. 2011 till Sep. 2013

**Employer** : North Delta Electricity Distribution Co.

**Job title** : Protection Engineer (Engineering Lab)

**Job Description** :

Worked at Kafr El-Sheikh Sector as Protection Engineer, doing the following:

- Installing and Maintain protection devices (Siemens Siprotec 7SJ, ABB REF 615, GE F 650, Schneider Sepam S40, ...) for medium voltage panels 11KV.
- Doing all tests for medium voltage panels like over current & Earth fault, Tests.
- Diagnose and maintain medium voltage cables 11KV.