

Holds B. Sc. in Communications & Electronics Engineering and M. Sc. in Electrical Engineering. Has over 14 years experience working in operation, commissioning and start-up at El-Kureimat CCPP.

## PERSONAL DATA

Nationality : Egyptian  
Birth Date : 17/04/1986  
Gender : Male  
Marital Status : Married  
Residence : Giza, Cairo

## EDUCATION

: B. Sc. in Communications & Electronics Engineering, Cairo University, 2008  
: M. Sc. in Electrical Engineering, Fayoum University, 2022

## LANGUAGES

Arabic : Native Language  
English : Very Good

## COMPUTER SKILLS

: Windows, MS Office, Internet

## TRAINING COURSES AND CERTIFICATIONS

: DCS Foxboro Evo and safety Triconex operation training of 3x670MW supercritical gas-oil fired units (Certified), Schneider Company, Milan – Italy (May/Jun. 2018).  
: Thermal Power plant operation course of 2x627MW subcritical and 2x750MW combined cycle (Certified), UEEPC, Egypt (Nov. 2010 – Feb. 2011).

## CHRONOLOGICAL EXPERIENCE RECORD

**Dates** : From Jul. 2017 till now  
**Employer** : Siemens  
**Project** : El-Kureimat CCPP 2x750MW  
**Job title** : I&C Engineer  
**Job Description** : Good experience in Siemens Gas Turbine V94.3A in the following systems:

- Prepare to update the control system to SPPA-T3000.

- Fuel gas commissioning and start-up.
- Fuel oil commissioning and start-up.
- Minor, major and LTE inspections for the gas turbine.
- Troubleshooting of the control system problems.
- Calibration of the field transmitters, switches and gauges.

**Dates** : From Jun. 2015 till Jul. 2017  
**Employer** : Siemens  
**Project** : El-Kureimat CCPP 2x750MW  
**Job title** : Senior Shift Engineer  
**Job Description** :
 

- Deputy for charge engineer in managing control room and site issues.
- Operation for the gas turbine (Siemens), and the steam turbine (Hitachi).
- Preparation of operation manual and operation procedure.
- Issue the maintenance requests and follow up the executing work permits with the maintenance team.
- Knowledge and understanding of all plant safety regulations. Report any unusual or unsafe condition to the shift charge engineer.
- Cooperation with maintenance department to identify and troubleshoot plant equipment.
- Introducing all support functions to shift team and shift charge engineer.

**Dates** : From Oct. 2012 till Jun. 2015  
**Employer** : Siemens  
**Project** : El-Kureimat CCPP 2x750MW  
**Job title** : Junior Shift Engineer  
**Job Description** :
 

- Control room unit manager.
- Responsible for the safe start-up, shutdown and unit's normal operation.
- Perform daily and weekly test for equipment as recommended.
- Isolate and desolate systems ensure the unit safety.
- Operate all machinery in accordance with safe engineering practices.
- Familiar with all equipment, pipelines, regulative and control systems in the power plant site.

**Dates** : From Oct. 2010 till Oct. 2012  
**Employer** : Siemens  
**Project** : El-Kureimat CCPP 2x750MW  
**Job title** : Site Shift Engineer  
**Job Description** :
 

- Position and configure plant equipment such as: opening and closing of valves, starting/stopping of pumps and compressors, visual inspections of the combustion process, operation of the crane system, orderly storage of materials, checking and maintaining fluid levels and gases for proper operation.
- Knowledge of the locations and be able to use firefighting equipment.
- Executive all electrical board maneuvers.
- Working on H2 generation plant and Diesel generator.

#### Research Publications:

- "Dispersion compensation analysis of optical fiber link using cascaded apodized FBGs hybrid with maximum time division multiplexing transmission technique", Optical and Quantum Electronics, Vol. 3, no.358, pp. 1-21, 2021.
- "Dispersion compensation: impact of integration of soliton transmission and cascaded apodized FBG", Optical and Quantum Electronics, Vol. 54, no.795, pp. 1-15, 2022.