

Holds a B. Sc. in Communications Engineering and has about 6 years hands-on experience working in I&C field at Cairo North Power Station.

## **PERSONAL DATA**

Nationality : Egyptian  
Birth Date : 22/04/1989  
Gender : Male  
Marital Status : Single  
Residence : Giza, Cairo

## **EDUCATION**

: B. Sc. in Communications Engineering, Modern Academy, 2011

## **LANGUAGES**

Arabic : Native Language  
English : Very Good

## **COMPUTER SKILLS**

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

## **TRAINING COURSES AND CERTIFICATIONS**

: Programmable Logic Control (PLC) – in Training Center of CEPC (2015).  
: Basic Instrumentation Course – in Training Center of CEPC (2014).  
: ICDL certified.

## **CHRONOLOGICAL EXPERIENCE RECORD**

**Dates** : From Mar. 2012 till now  
**Employer** : Cairo Electricity Production Company (CEPC)  
**Project** : Cairo North Power Station:  
Consists of 2 modules - (Combined Cycle) - each module Produces 750MW capacities. Each module contains 2 gas turbines (2x250MW), 2 HRSG and one steam turbine (1x250MW); as follow:  

- 2x250MW GE, MS 9FA Gas Turbines Manufactured by GE Company.
- 2x250MW MHI M701F Gas Turbines Manufactured by MHI Company.
- 4 HRSG (Heat Recovery Steam Generator) Manufactured by NEM Company.

- 1x250MW Steam turbine Manufactured by ALSTOM Company.
- 1x250MW Steam turbine Manufactured by Hitachi Company.
- EMIT water treatment plant and KSB (Closed Cooling Pumps, Condensate Pumps, Circulating water pumps, Service Water Pumps and Boiler Feed Water Pumps).

**Job title** : I&C Engineer

- Job Description** :
- Periodic (corrective, preventive, predictive) maintenance & Yearly overhaul inspection of all HRSG Instruments including:
    - Calibrating electronic Smart Transmitters (Flow, Level, Pressure & Diff. Pressure) of:
      - Honeywell Smart Transmitters using the SFC.
      - Rosemount Smart Transmitters using HART 375 & 475 Field Communicator.
      - Yokogawa Transmitters using BT200 Brain.
      - FOXBORO Smart Transmitters using HART 375 & 475 Field Communicator.
    - Calibrating & Adjusting the Valve Actuators (Motorized, Hydraulic & Pneumatic Control Types) of:
      - DREHMO Motorized Valve Actuators.
      - AUMA electric Valve Actuators.
      - Fisher FIELDVUE & Siemens Pneumatic Control Valve Actuators with its Regulators, Solenoids & I/P Positioners.
    - Adjusting Pressure and Level Switches.
    - Electronic Level Indicators and its Electronic Cabinet.
    - Seismic / Bentley Nevada system test and Replacing of any faulty components
  - Periodic (corrective, preventive, predictive) maintenance & inspection of all FOXBORO DCS Components (Control Network Components, Control Stations, Control Cards, Control & Marshaling Cabinets, etc.).
  - Participating in the Network & HMI upgrade of the FOXBORO DCS in 2015.
  - Participating in the yearly Inspection of GE Gas Turbine – Frame 9FA (2x250MW).
  - Participating in the yearly Inspection of MHI Gas Turbine - M701F (2x250MW).
  - Participating in Gas Compressor Overhaul Inspection for all Its Instrumentation (Control Valves, Stop Valves and Transmitters) Controlled by simatic step 7 Siemens.
  - Spare parts identification/selection and ordering to support for warehouse/store balance.
  - Working on Different Control Systems (TCS – PLC & DCS) like:
    - GE Speedtronic Mark VIe Control System with its TOOLBOXST and CIMPLICITY.
    - GE Speedtronic Mark VI control system; with its TOOLBOX and CIMPLICITY.
    - GE Speedtronic Mark V control system; with its TOOLBOX and CIMPLICITY.
    - FOXBORO IA System – Invensys - Control System; with its ICC/IACC and Fox Draw & Fox View packages and AIM\* historian.
    - Siemens Simatic step-7 PLC.
  - Working under call to support the DCS control system in safe operation in both Modules Outage & in Start-up Procedures.