

Holds a B. Sc. in Electronics & Communication Engineering and has more than 6 years hands-on experience working as I&C Engineer at El-Tebbin Thermal Power Plant.

## **PERSONAL DATA**

Nationality : Egyptian  
Birth Date : 22/10/1988  
Gender : Male  
Marital Status : Married  
Residence : New Maadi, Cairo

## **EDUCATION**

: B. Sc. in Electronics & Communication Engineering, Modern Academy for Engineering & Technology, 2010

## **LANGUAGES**

Arabic : Native Language  
English : Fluent

## **COMPUTER SKILLS**

: Windows, MS Office, Internet  
: Linux  
: Internet networks basics (TCP/IP)  
: Java programming language  
: Java mobile developer programming language (J2ME)  
: C# microcontroller 8051 programming  
: Control System and logic design  
: MATLAB for communication system simulation  
: Ardueno (UNO) programming and implementation projects

## **TRAINING COURSES AND CERTIFICATIONS**

: Electric Power Plants, El-Kureimat Power Plant (2007): General view on the steam power & combined cycle plants construction and control system at El-Kureimat Power Plant.  
: Optical Fiber, Telecom Egypt (2009): The theoretical meaning of fiber and it's using in telecommunication, and trained the wilding of fiber by using arc wilding.

- : Trainings at CEPC (2011-2013):
  - ABB Symphony Harmony: System configuration, Composer overview, Logic and function codes and Power generation portal software.
  - Alstom ALSPA ControCAD: ControCAD software configuration, Turbine switch gear control logic and Switch gear in site control.
  - Ingersoll Rand SIERRA-SM 250W: Air Compressor construction, operation and maintenance and Air dryer construction, operation and maintenance.
  - Smart Track Positioner: Turbine bypasses controller software.
  - Chepro firefighting system (Honeywell): Power plant Fire system construction and equipment used, Fire system wiring construction and System simulation for fighting.
- : General English, British Council (2013): Passing Intermediate band of general English Grammar and conversation.
- : IELTS General test, British Council (2016): Passed Exam with grade (Speaking 6- Listening 5- Reading 5- Writing 4.5).

## CHRONOLOGICAL EXPERIENCE RECORD

- Dates** : From Mar. 2011 till now
- Employer** : CEPC (Cairo Electricity Production Company)
- Project** : EI-Tebbin Thermal Power Plant 2x350MW
- Job title** : I&C Engineer
- Job Description** :
- Have an excellent experience about thermal power plants control, instrumentation and operation that's according to the while of working in the commissioning and normal operation.
  - Worked in the commissioning of the DCS (Distributed Control System).
  - Working in ABB Symphony Harmony as DCS controller for BPS & BMS, and having good knowledge about the logic construction and implementation using Composer V.5.
  - Good knowledge about Alstom ControCad (ALASPA) as Turbine control system.
  - Working at filed instrument (ABB-Rosmount-Endress+Hauser-VEGA).
  - Excellent handling and calibration with pneumatic valves positioners and actuators (Flowserve – Masoneilan – Bray – ABB).
  - Having excellent knowledge about instrument filed calibration and loop check using HART communicator (ABB-Emirson 475) and commissioning.
  - Working in SIEMENS S7-300 PLC control for strainer trash rack and condensate polishing water.
  - Working in Allen-Bradley & ConterolLogix as SCADA for water treatment system.
  - Responsible for the firefighting & protection system at the plant (Notifire - Honeywell).
  - Organize and making a schedules PPM for fire alarm and fighting.
  - Excellent knowledge about control cables installation and dismantling according to the set rout.
  - Member of I&C analytic team for all troubleshooting and trips of the plant and instruments.

**Achievements:**

- Researching and implementing about generating energy from photovoltaic cells by getting average time of consuming power for any normal house, and trying to implement it in my house.
- Reconfiguring and reprogramming of all the fire system control panels after broken down because of the turbine explosion, and that had done by enclosing all the damaged zones and reinstalling them from the beginning.
- Composition of the group of I&C department for detecting and analyzing all the damaged instruments around the area of explosion and get the result around 4 days.
- Modify new logic for fuel oil pumps to use 4 pumps (2 in service and 2 standbys) instead of 2 pumps and this modification for one boiler.