

Holds a B. Sc. in Electrical Power Engineering and has over 11 years hands-on experience working in I&C field.

## **PERSONAL DATA**

Nationality : Egyptian  
Birth Date : 07/03/1983  
Gender : Male  
Marital Status : Married  
Residence : Currently UAE

## **EDUCATION**

: B. Sc. in Electrical Power Engineering, Alexandria University, 2005  
: Preparing Master Degree in Electrical Power Engineering, Alexandria University

## **LANGUAGES**

Arabic : Native Language  
English : Excellent

## **COMPUTER SKILLS**

: Windows, MS Office (Word, Excel, Power Point), Internet  
: Empac Order Work Program  
: Powerex, Ecodial as Power Programs

## **TRAINING COURSES AND CERTIFICATIONS**

: Distributed Control System (DCS) which contains: Harmony & Composer Configuration, Power Generation Portal PGP Advanced Configuration.  
: Training course in PLC (S7 Siemens S7- 300 PLC with HMI-System Simatic WinCC flexible).  
: English course (Toefl license with score 577 points).

## **CHRONOLOGICAL EXPERIENCE RECORD**

**Dates** : From Apr. 2016 till now  
**Employer** : TAPCo Al Taweelah Asia Power Co. / AGPS Co., Abu Dhabi, UAE  
**Project** : Honeywell Company is carrying out DCS system upgrading project for 6 units x 150MW with 6 distillers x 12 MIGD

**Job title** : I&C Engineer Maintenance & DCS Project Engineer  
**Job Description** :

- IO mapping for the 6 units x 150MW with 6 distillers x 12 MIGD.
- ABB C3–Contronic3-(Wiring & Logic) analysis, Input/ Output signals mapping.
- HIMA PLC for BMS system-(Wiring & Logic) analysis, Input/ Output signals mapping.
- Turbine Procontrol system-(Wiring & Logic) analysis, Input/ Output signals mapping.
- All Honeywell submittals documentations reviewing according to contract & modifying data included according to the old system.
- Reviewing Honeywell new system (EPKS – C300 Controllers) hardware, software logic, HMI graphics and comparing /matching with the old system process functionality.

**Dates** : From Jan. 2009 till Apr. 2016  
**Employer** : West Delta Electricity Production Company  
**Project** : Thermal Electrical Power Plant 325MW, Damanhour, El-Behira, Egypt  
**Job title** : I&C Maintenance Engineer  
**Job Description** :

- Field experience in construction, commissioning & installation of all instruments & control equipment.
- Wide knowledge of control and process instrumentation.
- Calibration of all field instruments such as hart protocol Transmitters, Sensors, Control valves, Flowmeters, gauges etc.
- DCS, SCADA, PLC- Systems installation, configuration and loop test.
- Good experience in dealing with CEMB vibration systems (sensors mounting, alarms & trips thresholds adjusting and configuring the system).
- Calibrating, Commissioning and Maintenance the analyzer transmitters such as pH, conductivity, CEMS (COx, NOx Sox & O2), etc...
- From Nov. 2011 till Nov. 2013: ABB Company was carrying out DCS system upgrading project, also changing all field Transmitters & Positioners into smart types and also upgrading CEMB vibration protection, monitoring & analysis system for this unit, and my responsibility was:
  - ABB submittals documentations reviewing according to contract & modifying data included according to the old system.
  - Reviewing ABB new system (symphony harmony) hardware, software logic, HMI graphics and comparing /matching with the old system (ABB-Infi90-conductor HMI) process functionality.
  - Sharing ABB team to perform loop check, loop-network installation, cold-hot commissioning tests, transmitters & positioners calibration, cold-hot unit start-up, controllers valves tuning and performance tests.

**Dates** : From Jan. 2007 till Jan. 2009  
**Employer** : West Delta Electricity Production Company  
**Project** : Thermal Electrical Power Plant 325MW, Damanhour, El-Behira, Egypt  
**Job title** : Shift Engineer

**Job Description** : 

- Observing various variables of the unit (Temperatures, pressures, rates, etc.) and keeping them within limits.
- Following operating instructions given by unit manufacturers during start-up, shutdown and normal operation of the unit.
- Ability of operating unit in different modes of operation according to the state of each component of the unit (Boiler, Turbine, Generator, etc.).
- Ability of dealing with different types of control systems such as D.C.S. & PLC.

**Dates** : From Jan. 2006 till Jan. 2007

**Employer** : Company for producing plastic vessels by injection & blowing

**Job title** : I&C Maintenance Engineer

**Job Description** : 

- Attended the installation of the production line.
- I/O checkout, instruments configuration and required documentation for project.
- Perform commissioning test of process control system.

**Experience in dealing with the following Control Systems:**

- ABB DCS control system INFI90 with Conductor HMI-system.
- ABB DCS control system SYMPHONY HARMONY with Power Generation Portal (PGP) Advanced Configuration HMI-system.
- SIEMENS Simatic S7- 300 PLC with HMI-System Simatic WinCC flexible.
- ABB DCS control system (C3) Contronic3.
- ABB DCS control system Melody system.
- HIMA PLC for BMS system.