

Holds a B. Sc. in Electrical & Computer Engineering and a Diploma in Automatic Control System. Has over 8 years hands-on experience, including 7 years working as I&C Engineer. Has strong background in the principles and practices of electrical power generation process, Control Systems, DCS and some experience as Sales Engineer.

## PERSONAL DATA

Nationality : Egyptian  
Birth Date : 21/03/1984  
Gender : Male  
Marital Status : Married  
Residence : Ismailia

## EDUCATION

: B. Sc. in Electrical & Computer Engineering, Higher Technology Institute,  
10th of Ramadan  
: Diploma in Automatic Control System, Cairo University

## LANGUAGES

Arabic : Native Language  
English : Excellent  
German : Basics  
Italian : Basics

## COMPUTER SKILLS

: Windows, MS Office (Word, Excel, Power Point), Internet  
: Photoshop 8  
: Fire Work  
: GE Turbine Mark Vie Toolbox  
: GE Turbine Graphic Design program (Cim Viewer)  
: Yokogawa DCS Centum VP  
: Siemens SICAM PAS CC  
: Siemens WIN CC  
: Schneider Electric Unity Pro  
: Schneider Electric Citect SCADA / Vijeo Citect Design  
: Primavera P6  
: Linux  
: Foxboro EVO V6.0

## TRAINING COURSES AND CERTIFICATIONS

- : Distributed control system EVO v6.0, Schneider Electric System ITALY H.O. (Jul. 2017).
- : HRSG MAINTENANCE, AB Boilers H.O. (Gallarate, Varese, Italy) (Oct./Nov. 2016).
- : Customized Electric Actuator Service Training, Biffi Italia S.r.l. (Nov. 2016).
- : ABB Instrumentation and Transmitters, Lake Como, Italy (Nov. 2016).
- : LV SWB'S, ABB EP ES SpA Italy (Nov. 2016).
- : RAISTEAM GGC VALVES and related Maintenance, PENTAIR ITALIA (Nov. 2016).
- : Total Quality Management, Al-Shabab Power Plant (Dec. 2014).
- : IBM Maximo Assets Management (Spare Parts Management program) at Intercom Co. (Sep. 2011).
- : YOKOGAWA Centum VP DCS Operating and Maintenance, Al-Shabab Power Plant (Jul./Aug. 2011).
- : CO2 Fire Fighting at El-Shabab 1000MW Power Plant (Jun. 2011).
- : GE Frame 9E Turbine (Mark II) Operating and Maintenance at Cairo South Power Plant (Apr. 2011).
- : GE Mark VIE at El-Shabab 1000MW Power Plant (Mar. 2011).
- : GE Frame 9E Turbine (Mark VIe) Operating & Maintenance at El-Shabab 1000MW Power Plant (Feb. 2011).
- : SPIN Coaching Certificated from Huthwaite International (Logic Management Consultant) (Mar. 2010).
- : SPIN Selling Skill Certificated from Huthwaite International (Logic Management Consultant) (Mar. 2010).
- : Electrical Power Produced & Transmitted & DCS (Distributed Control System) at Abu Sultan Station (from Jun. till Aug. 2008).
- : Digital Logic Circuit Analysis, Design & PLC (Programmable Logic Control) at Arab Contractors (from Jun. till Aug. 2006).
- : Electrical Power Distribute Stages at TCTC (from Jun. till Aug. 2005).
- : Electronics Lab at TCTC (Jul./Aug. 2004).
- : Information Technology at TCTC (Technical Cadres Training Center) (Jun./Jul. 2004).
- : Conferences & Exhibitions:
  - MCM, Maintenance Solution, Veronafiere (Oct. 2016).
  - EMERSON OVIATION Control System with GIZA SYSTEMS (Jun. 11, 2015).
  - FLUCK Measurement Devices (Jan. 15, 2015).
  - DFE SCADA Systems (Sep. 10, 2014).
  - ASHCROFT Instrumentation (Jun. 5, 2014).
  - ABB Switches & Drivers (Feb. 2010).
  - Delixi Electricity Power Product (Jan. 2010).
  - 3M Cable Accessories Products (Jan. 2010).
  - Philips Green Switch (energy saving systems) and Lighting control system (Dec. 2010).
  - Electricx Egypt for all electrical power distribution products and control systems and lighting systems and other products (Dec. 2009).
  - Motorola New Communication Systems: PTP Point to Point & PMP Point to Multi Point (Aug. 2009).

## CHRONOLOGICAL EXPERIENCE RECORD

**Dates** : From Jan. 2011 till now  
**Employer** : EGYPTIAN ELECTRICITY AUTHORITY  
**Project** : AL-SHABAB POWER PLANT (1600MW)  
**Job titles** : Senior Instrumentation & Control Engineer  
**Job Description** :

- Follow up calibration, commissioning and start-up for:
  - General Electric Model PG9171 (E) / 8x125MW Gas turbines (Standard burners) / MK V1e control system.
  - YOKOGAWA Centum VP / Power Plant DCS.
  - Siemens SIMATIC / Substation Control System (GIS).
- Designing maintenance strategies, procedures and methods. Carrying out routine scheduled maintenance work and responding to equipment and control systems faults.
- Worked closely with the contractor though the MK V1e Installation & Download, cold & hot loop check, power up the system, system tuning, alarm tracing).
- Develop the I&C team on the gas turbine control system (MK V1e) system (interface reinstallation, project download, servo calibration, system tuning, alarm tracing, ...).
- Project Management (Installation, Commissioning, startup, FAT and SAT) for the DCS (Schneider Electric for Foxboro EVO V6.0) and HRSG (AC Boilers) in the Combined Cycle Project phase.
- Study the upgrading for the Gas turbine control system (MK V1e) to be compatible with the combined cycle with upgrading the project though the temperature match and the HRSG purge ...etc.
- Review and study all the Design issues for approve.

**Dates** : From May 2015 till Jun. 2015  
**Project** : Assiut 1500MW Power Plant  
**Job title** : PROJECT CONTROL SYSTEMS TEAM LEADER / CONTROL SYSTEMS TRAINING INSTRUCTOR  
**Job Description** : Calibration, commissioning and start-up for:

- General Electric Model PG9171 (E) / 8x125MW Gas turbines (Standard burners) / MK V1e control system.
- ABB / Power Plant DCS.
- Siemens SIMATIC / Substation Control System (GIS).

**Dates** : From Oct. 2010 till Jan. 2011  
**Employer** : EGYPTIAN ELECTRICITY AUTHORITY  
**Project** : AL-SHABAB POWER PLANT (1600MW)  
**Job title** : Operation Engineer  
**Job Description** :

- Operation of 3x35MW BBC Gas Turbine power plant equipment & their auxiliaries Speed control system.
- Reporting for alarms and problems of the turbine.

**Dates** : From Oct. 2009 till Sep. 2010  
**Employer** : ENERGIA for Engineering & Distribution, Cairo  
In Energia Engineering & Distribution, we distribute most types of cables

and electrical products to all customers segments; we provide the most reliable products selected from the world class manufactures in order to satisfy our customers' requirements.

**Job title** : Sales Engineer

**Job Description** :

- Creating and studying the company profile.
- Representing my company in Electricx Egypt Exhibition.
- Representing my company in the canal region.
- Getting a lot of successfully sales meetings.

**Dates** : Sep./Oct. 2009

**Employer** : ENTERTAINMENT PARK

**Job title** : Construction Engineer

**Further experiences** : As Instructor:

- Gas Turbine Control to Under Graduate Summer Course (Aug. 2013 to 2016).
- Mark VIE Control System Overview to Al-Shabab Power Plant Operation Engineers (Feb. 2014).
- Mark VIE Control System to Assiut Power Plant Operation & Maintenance Engineers (Jan. 2015).

**Field of experience** :

- Manage the Instrumentation and control system sections in GE Gas Turbines software upgrade (Mark Vie) from simple cycle to combine cycle, HRSG (AC Boilers) and DCS (Schneider / Invensys) and Existing DCS Modifications (Yokogawa) and Interfacing between existing and new systems.
- Participating in tendering management as DCS and turbines control systems contracts' administrator for Al-Shabab Power Plant Combined Cycle 1600MW.
- Supporting and developing the instrumentation and control department of Assiut Power Plant Project 1600MW.
- Developing Control-system solutions through studying information needs, systems flow, data usage, system processes, investigating problem areas, and following up the software development lifecycle and insure continuance operation for Al-Shabab Power Plant.
- Supervised and supported Kharafi-National contractor to identify issues and develop real-time data solution which resulted in an EPC project valued over \$600M project and the record of 6 months "Power Plant Project" duration in Al-Shabab Power Plant Simple Cycle phase (1100MW).