

Holds B. Sc., M. Sc. and PhD in Electronics & Control Engineering and has about 14 years hands-on experience working in I&C field.

## **PERSONAL DATA**

Nationality : Egyptian  
Birth Date : 07/03/1984  
Gender : Male  
Marital Status : Single  
Residence : Nasr City, Cairo

## **EDUCATION**

- : B. Sc. in Industrial Electronics & Control Engineering, Menoufia University, 2005
- : M. Sc. in Electronic Engineering (Automatic Control Engineering), 2009
- : PhD in Industrial Electronics & Control Engineering, 2015

## **LANGUAGES**

Arabic : Native Language  
English : Good

## **COMPUTER SKILLS**

- : Windows, MS Office, Internet

## **TRAINING COURSES AND CERTIFICATIONS**

- : ICDL (International Computer Driving License) (from Jan. till Mar. 2006):
  - Basic Concepts of Information Technology (IT).
  - Using the computer and Managing Files (Windows).
  - Word Processing.
  - Spreadsheets (Excel).
  - Database (Access).
  - Presentation (Power Point).
  - Information and Communication (Internet).
- : Industrial Systems Company (Jul./Aug. 2007)
  - PLC (Fatek).
  - SCADA Software.
  - Industrial Instruments.
  - Touch screens.

- : General Electric (GE) (Jun. 2010):
  - PLC (VersaMax, Series 90-30, Series 90-70, PAC 8000).
  - SCADA software (Cimplicity and ifix).
  - Historian.
  - Distributed Control System (proficy process systems).
- : Sales Management and Key Account Management (from Jun. till Sep. 2010):
  - Communication Skills.
  - Presentation Skills.
  - Selling Skills.
  - Business Writing Workshop.
  - Negotiation.
  - Strategic Account Management.

## CHRONOLOGICAL EXPERIENCE RECORD

- Dates** : From Apr. 2019 till now  
**Employer** : KAYAN for Control Systems  
**Job title** : General Manager
- Dates** : From Feb. 2019 till Mar. 2019  
**Employer** : TECNO EGYPT Co. (TEC)  
**Job title** : Engineering Department Manager
- Dates** : From Apr. 2015 till Feb. 2019  
**Job title** : Freelancer Engineer
- Dates** : From Mar. 2011 till Mar. 2015  
**Employer** : Advanced Electronic Engineering Company (AEE)  
**Job title** : Control & Instrumentation Engineer
- Dates** : From Mar. 2009 till Feb. 2011  
**Employer** : Advanced Electronic Engineering Company (AEE)  
**Job title** : Sales Engineer
- Dates** : From Feb. 2016 till now  
**Employer** : Faculty of Electronic Engineering, Menoufia University  
**Job title** : Assistant Professor in the department of Industrial Electronics & Control Engineering
- Dates** : From Aug. 2009 till Feb. 2016  
**Employer** : Faculty of Electronic Engineering, Menoufia University  
**Job title** : Associate Lecturer in the department of Industrial Electronics & Control Engineering

**Dates** : From Apr. 2006 till Aug. 2009  
**Employer** : Faculty of Electronic Engineering, Menoufia University  
**Job title** : Demonstrator in the department of Industrial Electronics & Control Engineering

- Field of experience** :
- Job Description:
    - Studying and offering the request for quotation, Tenders and projects of clients.
    - Studying and offering the control system of water and waste water plants projects.
    - Support sales team to proposal solutions to customers.
    - Obtain offers from suppliers and evaluate accordingly.
    - Discussions / Negotiations with the clients.
    - Coordination with other departments of the company.
    - Achieve assigned operating targets/objectives for all products.
    - Provide support during sales and marketing events.
    - Arrange logistics for meetings, presentations and events.
    - Communicate the company strategies.
    - Instrumentation Installation & Calibration.
    - PLC Installation & Programming.
    - Commissioning, Start-up, trouble shooting & shutdown job.
  - EXPERIENCE SUMMARY:
    - Engineering & Construction: Project Engineering, Design activities like preparation of systems and Instrument Specification, control schematics, Function schematics, cable schedule, logic diagram, control room, field inst. Layout, familiarity with international codes, cost estimation. Supervision of Inst. Installation, Inst. cable laying, conduit installation, inspection, calibration, loop checking, site acceptance test, site modification as required at site condition, discuss & finalize with clients changes required at site, Co-ordination with vendor representative for special Inst./system checking/commissioning. System modification/ start up loop by loop transfer. Co-ordination with client kick off meeting, monthly progress review meeting, close out report hand over as built documents / drawings, survey changes, field changes / spares etc.
    - Maintenance & Commissioning: Hands-on experience in commissioning, trouble shooting, start-up, shutdown job & preventive / corrective maintenance, manpower / inventory control.
  - EXPERIENCES FIELD:
    - Programmable Logic Controller and smart relays for LG, GE, MITSUBISHI & Schneider.
    - Variable Speed Drives (AC & DC) for PARKER, SPRINT & Schneider.
    - Flow Measurement (Electromagnetic – Ultrasonic) from ISOIL, FLEXIM, TECFLUID & KT.
    - Level Measurement (Ultrasonic - Radar - Hydrostatic - Capacitive - Guided Microwave) from VEGA & NIVELCO.
    - Level Switch (Vibration - Capacitive - Conductive) from VEGA & NIVELCO.

- Pressure Measurement (Hydrostatic - Differential) from WIKA & TECSIS.
- Data Recording (Paper - Paperless) from JUMO & FUJI.
- Temperature Controller and Transmitter from INOR, ASCON & FUJI.
- Electrical Counters, Timers & Frequency Meters from KUBLER.
- Weighting and Batching Systems from LAUMAS.
- Operator Control and Monitoring Systems (HMI) from GE & DELTA.
- Understanding the basic principle of operation of all motors (AC, DC, Servo and stepper) and AC generators so it easy to detect most faults in these devices.
- Dealing with data cards (A/D and D/A) such as National Instrumentation card.
- PID controller implementation on the PLCs, Microcontrollers and using analog components such as Op Amp.
- Design and implementation intelligent control systems based on fuzzy logic controller.
- Design and implementation intelligent control systems based on artificial neural networks (feed forward and recurrent networks).
- Programming and analysis using Matlab, Multisim 10.1, Proteus Professional.
- Dealing with soft starters, circuit breakers, contactors, power relays...
- Fault maintenance in control circuit (software and hardware faults).
- Installation the production lines controller from A to Z.
- PROJECTS:
  - Official visits to some industrial plants in Egypt:
    - Paper Factories: Keshko Khudair, Carta Misr, El farouk...
    - Chemical & Printing Factories: Global, Proctor and Gamble, Unilever Egypt, Giza systems, Taghleef industries, Evergrow for specialty fertilizer.
    - Cement Companies: Suez Cement, CEMEX, TORA.
    - Medicine Companies: SEDICO, RAMIDA, SEGMA TEC.
    - Food Companies: Heinz, Chipsy, Coca Cola, Pepsi.
    - Contracting Companies: Rolan, Mokhtar Ibrahim, Hassan Allam Construction, Nile for Construction.