

Holds B. Sc. and M. Sc. in Electronics & Control Engineering and has about 9 years hands-on experience, including 7 years working as I&C Engineer.

PERSONAL DATA

Nationality : Egyptian
Birth Date : 13/11/1985
Gender : Male
Marital Status : Married
Residence : New El-Marg, Cairo

EDUCATION

: B. Sc. in Industrial Electronics & Control Engineering, 2007
: M. Sc. in Electronic Engineering (Automatic Control Engineering), Menoufia University, 2016

LANGUAGES

Arabic : Native Language
English : Very Good

COMPUTER SKILLS

: Windows, MS Office, Internet

TRAINING COURSES AND CERTIFICATIONS

: System 800xA with AC800M hardware maintenance & troubleshooting, ABB University Egypt.
: NEUMAN & ESSER GmbH:

- Training on PM30U4 grinding system.
- Function and working principle of grinding system.
- Preventive maintenance & regular maintenance.

: Maintenance and repair of electrical devices, Ministry of Defense.
: Light current distribution, Egyptian Engineers Syndicate.
: Ministry of Defense Language Institute (MODLI) (English levels 1-9) (2014).
: Training at Egyptian Company for Aluminum (2006).
: Training at Western Desert Operating Petroleum Company (WEPCO) (2005).

CHRONOLOGICAL EXPERIENCE RECORD

- Dates** : From 2011 till now
- Employer** : Abu Zaabal Fertilizers and Chemical Industries Company (AZFC)
- Job title** : I&C Engineer
- Job Description** :
- Projects Experience:
 - Served as I&C discipline lead on medium and large sized projects.
 - Developed and designed the application of instrumentation and control system.
 - Provide hands on assistance to instrumentation technicians.
 - Review, comment and approve the basic and detail engineering.
 - Review, comment and approve all check list for (FAT and SAT).
 - Focusing on design review, site supervision erection and commissioning for I&C systems.
 - Projects (Sulfuric Acid production Line (6) Upgrade, 15MW Extraction Steam turbine Upgrade and water treatment station Upgrade).
 - Maintenance Experience:
 - 15 and 6MW Extraction Steam turbines:
 - Turbine Yokogawa DCS (Centum 3000) control system.
 - Turbine control devices (Woodward505, PT2010, Excitation ...).
 - Turbine instruments (Axial displacement, vibration sensors, speed sensors...).
 - Sulfuric Acid production plants (640 & 1500 ton \ day):
 - Instruments (Pressure, level, flow, temperature, concentration...).
 - Control valves (Globe, butterfly and rotary plug; Pneumatic and electric actuators; Pneumatic, electro-pneumatic and electric positioners).
 - Chemical water treatment control systems (Instruments and Siemens PLC S7-300).
 - Neuman mill control system using WAGO PLC & Movicon SCADA system:
 - Instruments for protection and measuring process variables.
 - Santerno power electronics drives (ASA soft starters & Sinus K inverters).
 - Bradley Single Super Phosphate (SSP) production line (Alan Bradley PLC).
 - Pneumatic control system for packing machines.
 - GSSP Furnace control system using Siemens PLC S7-300 & Win CC SCADA system.
 - Riello burner for GSSP Furnace.

- Dates** : From 2010 till 2011
- Employer** : Aswan Fertilizers and Chemical Industries Company
- Job title** : I&C Engineer
- Job Description** : One member of erection, commissioning and start-up team of:
- Feeding system (Emide).
 - Grinding system (Neuman mills) (20 & 30 T/h).

Dates : From 2008 till 2010
Employer : Armed Forces, Ministry of Defense (Beni Suef)
Job title : Officer
Job Description :

- Good dealing with power generators (operation, maintenance, preventive maintenance, electrical and mechanical spare parts).
- Hydraulic systems of loaders and launchers.

Publications:

- "Comparative Study of Different Decoupling Schemes for TITO Binary Distillation Column via PI Controller", IEEE/CAA Journal of Automatica Sinica, 2015.
- "A Novel Inverted Fuzzy Decoupling Scheme for MIMO Systems with Disturbance: A Case Study of Binary Distillation Column", Journal of Intelligent Manufacturing, 2016.
- "Design of Smith Predictor and Fuzzy Decoupling for MIMO Chemical Processes with Time Delays", Asian Journal of Control, 2016.

Further experiences : Teaching Experience:
Supervisory support of one undergraduate dissertation project (Faculty of Electronic Engineering, 2013).