

Holds a B. Sc. in Electrical Engineering (Control and Industrial Electronics) and a Diploma in Instrumentation. Has over 12 years hands-on experience, including 6 years as I&C Systems Engineer and 6 years as Technician, working in I&C Maintenance, Engineering, Construction, Commissioning and Start-up in fertilizers industries.

PERSONAL DATA

Nationality : Egyptian
Birth Date : 05/06/1992
Gender : Male
Marital Status : Single
Residence : Sadat City

EDUCATION

- : B. Sc. in Electrical Engineering (Control and Industrial Electronics), Menoufia University, 2016
- : Diploma in Instrumentation, Banha Institute for Electronics, 2011

LANGUAGES

Arabic : Native Language
English : Very Good

COMPUTER SKILLS

- : Windows, MS Office, Internet

TRAINING COURSES AND CERTIFICATIONS

- : Training by Krohne Academy (2017):
 - Basics of Explosion Protection.
 - Functional Safety (SIL).
 - Hazard and risk assessment.
- : Training in Smart Village (Business Entrepreneurship) (2016).
- : Training in Bayer Foods Group (Control system) (2016).
- : Training by Toshiba Elaraby (Industrial quality) (2016).
- : Training in Egyptian Space Agency (Remote sensing) (2015).
- : Training in El Gwharah Factory for Ceramics and Porcelaintiles (Automation) (2014).

CHRONOLOGICAL EXPERIENCE RECORD

Dates : From Feb. 2019 till now
Employer : Intecsa Industrial (Spanish Co.)
Project : Ain Sokhna Petrochemicals Complex (EGYPT)
Job title : I&C Systems Engineer (Maintenance & Commissioning Engineer)
Job Description : Responsible for sulfuric-acid plant & DAP and TSP fertilizer plants and 2 steam turbines GE each one 27MW.

Dates : From Feb. 2018 till Dec. 2018
Employer : Ecohpes for Engineering & Projects Services (Belgian Co.)
Project : Evergrow Petrochemicals Complex (Sadat City, Egypt)
Job title : I&C Systems Engineer (Maintenance & Commissioning Engineer)
Job Description : Responsible for Triple super phosphate, Phosphoric acid, Calcium chloride plants.

Dates : From Jan. 2017 till Feb. 2018
Employer : GEA Industrial (German Co.)
Project : Evergrow Petrochemicals Complex (Sadat City, Egypt)
Job title : I&C Systems Engineer (Maintenance & Commissioning Engineer)
Job Description : Responsible for Sulfuric-acid plant (capacity 800 tons/day and steam turbine 8MW).

Dates : From Jun. 2010 till Aug. 2016
Job title : Freelancer as Technical Support
Job Description :

- Design and implementation control panels.
- Programming and editing PLCs programs.
- Calibration and installing of field instruments.
- Troubleshooting and maintenance for varied types of machines at sites of the clients.
- Development and modernization for machines control system.

Field of experience :

- Automation:
 - Familiar with (Install & design discrete, analog programs):
 - ❖ DCS ABB 800XA.
 - ❖ DCS ABB freelance.
 - ❖ ESD ABB.
 - ❖ PAC system GE RX3I (proficy).
 - ❖ SCADA Pc stations and HMI SIEMENS S7 300 & S7 400 & win cc professional Programming, Configuration and Modification.
 - ❖ AB (allen bradly) RSLOGIX STUDIO 5000.
 - ❖ B&R automation studio.
 - ❖ Compact plc (ls & Delta at fatec & kinco).
 - Industrial Networks (HART & profibus & Modbus & profinet & RS 232 & RS 422 & RS 485).
 - Design PID Controller systems.
 - Design Linear & nonlinear controller systems.

- VFD AC drive & soft starter (altivar & Siemens & Is & danfoss & yaskawa & delta & ABB...etc.).
- Install and design Classic control circuits.
- Install & design light Power Electrical circuits.
- Instrumentation:
 - HART Communicator Calibration.
 - Loops test.
 - Vibration system Bentley Nevada (model 3500).
 - Install & calibration & commissioning & troubleshooting wide range from Instrumentation like:
 - ❖ Flowmeter (smart transmitter - dp - mechanical - switches - local).
 - ❖ Level (smart transmitter - dp - switches - sight glass).
 - ❖ Pressure (smart transmitter - gauge - switches - dp).
 - ❖ Temperature (smart transmitter - gauge - switches - RTD - Thermocouple).
 - ❖ Valves (shut off - controller) & electro-pneumatic & motorize positioners.
 - ❖ Analyzers (PH - co2 - TDS).
 - ❖ Load cells.
 - Understanding and practice ATEX regulations and instructions for different hazardous areas and instruments.
 - Heat tracing systems.
 - Various types of sensors (proximity - photocell - ultrasonic - switches - hall sensor).
- Commissioning:
 - FAT tests & IFAT tests & SAT tests & SIT tests.
 - Installation, testing and commissioning SCADA, Marshaling, RTU Units.
 - I/Os test & Function tests & Open / Closed loops tests.
 - Instrumentation construction activities like calibration testing, Installation, loop checking.
 - Maintenance, construction, inspection and commissioning experience.
 - Excellent IT experience. Utilize all common and specific software in order to achieve best results. In addition to wide experience in Computer maintenance for software and hardware.
 - Experienced in Health and Safety in order to ensure compliance with all Safety policies and procedures.
 - Using the instrument index and checking with P&ID & Hook up drawing & Loop check from DCS Using hook-up drawings.
 - Knowledge of Hazardous area, zone, gas group and protection type. Intrinsic safety principal and intrinsic safe equipment.
 - SIS & SIF & SIL tests.
 - Hazard and Operability analysis.
- Electronics:
 - Microcontroller.
 - Embedded computer (Raspberry pi).
 - Electronics circuits (design & maintenance).
 - Matlab (images processing).

- C++ Computer language.
- Electronic programs (proteus - eagle - multisim - altuim).