

Holds a B. Sc. in Electronic Engineering (Computers & Control Systems Dept.) and has about 11 years hands-on experience working in I&C field in oil and gas upstream operations activities, troubleshooting and maintenance.

## PERSONAL DATA

Nationality : Egyptian  
Birth Date : 16/02/1986  
Gender : Male  
Marital Status : Married  
Residence : Talkha

## EDUCATION

: B. Sc. in Electronic Engineering (Computers & Control Systems Dept.),  
Mansoura University, 2008

## LANGUAGES

Arabic : Native Language  
English : Very Good

## COMPUTER SKILLS

: Windows, MS Office, Internet

## TRAINING COURSES AND CERTIFICATIONS

: TÜV Rheinland Certified Functional Safety Engineer (SIS).  
: CompEx Gas and vapor Modules (Ex01:Ex04).  
: Oil and Gas Skills (OGS):

- Control valves types and technology.
- Instrumentation installation at hazardous area classification.
- Root Cause Failure Analysis.
- RCM (Reliability Centered Maintenance).

  
: GESCO Group: Maintenance Shutdown Planning.  
: ITC Training Center:

- Robotics & Microcontroller Course.
- PLC Allen Bradley control logix, SCADA & Networks.

  
: ICDL

# CHRONOLOGICAL EXPERIENCE RECORD

- Dates** : From 2010 till now
- Employer** : Khalda Petroleum Company, Joint Venture with Apache Corporation
- Project** : Tarek Gas Plant (Western Dessert, Egypt)
- Job title** : Senior Instrument & Control Engineer
- Job Description** :
- Responsibilities:
    - Responsible for all instrument and control system equipment adequate preventive, corrective and predictive maintenance such as all control system, monitoring, DCS, PLC, field instrumentation, valves, flow meter, transmitter etc. according to IEC60079-17 electrical apparatus for explosive gas atmosphere part 17.
    - Performing maintenance and program modifications for different PLC's such as Allen Bradley, Schneider, GE ...etc.
    - Operational experience in safety PLC's, SIS Protective systems, including F&G, HIPPS HIMA, Triconex equipment and hardwired trip systems according to IEC 61511.
    - Using the Oracle as computerized management maintenance system (CMMS) and update equipment job plane depending on equipment performance and degree of breakdowns.
    - Checking Spares balance and inventory control for all instruments' spare parts. Review Vendors' quotations, prepare technical quotation evaluation and recommend the final technically accepted Vendor.
    - Performing Risk assessment for jobs, Generating root causes failure analysis reports for problems and take the suitable actions to eliminate the problems reoccurrence in the future.
    - Issue and follow work permits through PTW system.
    - Attend the daily coordination meeting of production with safety and process supervisors for reviewing and planning the maintenance activities and identifying Jobs priority.
    - Direct and guide junior Instrument engineers / technician for all plant Instrument activities and ensure proper communication is maintained.
    - Performing the regular services and engine change out for solar gas turbines mars 100. (Inst. tasks).
    - Maintenance and overhauling of reciprocating compressors, centrifugal compressors, Turbo Expanders with their anti-surge control system and Bentley Nevada vibration monitoring systems.
    - Maintenance & troubleshooting for Enraf tank gauging for storage Tank.
    - Maintenance & troubleshooting for firefighting systems (sprinklers, Foam, CO2, FM-200...) and the field devices such as gas (open path, point search) detector, flame detector, fire detector, heat detector, smoke detector, fusible loops, VESDA, manual call points and Annunciation devices (sounders, sirens, beacons, air horns...).
    - Supervising implementation of instrumentation outstanding jobs at the overhauling and planned maintenance shutdown of gas plant.
    - Ensure that HSE standards / policies / procedures are adhered in all activities.
    - Perform regular routine rounds and walk-through to inspect plant equipment and to determine any abnormal conditions.

- Contribute in all safety design processes including HAZOP, SIL Classification and Safety Lifecycle.
- Carry out sizing calculations for control valves, safety valves and flow elements & Intrinsically Safe circuit calculations.
- Performing Periodic Ex inspection for different instrument devices and junction box according to IEC 60079-17.
- Possess good oral and written communication skills, preferable with English language, Able to work independently as well as in a team player and possess a Basic office software operation.
- Good understanding of technical manuals, drawings and aware of standard instrumentation and control documentation including P&ID, loop drawing, C&E and etc.
- Aware and familiar with Oil and Gas Codes (API, NFPA, ISA, IEC etc.).
- Achievements:
  - Design and execution of connecting gas wells to plant DCS using Wi-Max communication technology; configure points, building graphics, mapping and establish communication.
  - Commissioning and start-up for most of area gas wells. Participate in commissioning and starting-up for Khalda Company gas plants train 3 and 4.
  - Commissioning of communication between gas plant and slug catcher area.
  - Issuing and execution MOC of connecting 2 hot oil heaters to plant DCS for monitoring using Modbus TCP communication protocol. Adding two Allen Bradley HMI for both heaters local control panels.
  - Participate in refurbishing RO water maker control system.
  - Attend FAT for new WHCPs with triconex control system and then Perform SAT at our field.
  - Supervise a team of 2 engineers and 6 technicians in execution of instrument tasks in 2 planned maintenance shutdowns.

**Dates** : From 2019 till now (part time)  
**Employer** : Bechtel  
**Job title** : West Nile Delta, BP Project  
**Job title** : Ex Inspector  
**Job Description** : Perform EX inspection for different I&E equipment (vendor packages, field instruments, junction boxes, lighting ...etc.) installed at hazardous are with regard to area classification drawing and IEC60079-17. Fulfill the ITR forms and handle them to owner.

**Dates** : From 2008 till 2010  
**Employer** : PEP Arab Control Systems (Gamsa Industrial Zone, Egypt)  
**Job title** : Control System Engineer  
**Job Description** :
 

- Building SCADA system for El-Dakahlia water and waste water Company to connect Company Plants using GPRS technology and WINLOG software and PEP PLC.
- Building a telemetry project for Agiba Petroleum Company to monitor the offshore plant using Wonderware Intouch software and VHF communication.

- Field of experience :**
- About 10 years of experience as an Instrumentation and Control Systems Engineer in detailed maintenance, commissioning and development co-ordination of instruments and control systems in Oil and Gas field.
  - 5 years hands on experience on the field of EX inspection inside the gas plant and part time jobs.
  - Ensuring that the reliability and availability of the plant equipment is meeting the assets original design criteria. Understanding and ensuring compliance with the health and safety regulations and quality standards.