

Holds a B. Sc. in Industrial Electronic & Automatic Control Engineering and has over 11 years hands-on experience working as I&C Engineer in Petroleum companies.

## **PERSONAL DATA**

Nationality : Egyptian  
Birth Date : 18/10/1984  
Gender : Male  
Marital Status : Married  
Residence : Fayoum

## **EDUCATION**

: B. Sc. in Industrial Electronic & Automatic Control Engineering, Menoufia University, 2006

## **LANGUAGES**

Arabic : Native Language  
English : Fluent

## **COMPUTER SKILLS**

: Windows, MS Office, Internet

## **TRAINING COURSES AND CERTIFICATIONS**

- : DELTAV Emerson Hardware and troubleshooting course at Dubai Emerson Training Center.
- : DELTAV Emerson DCS Implementation 1 course at Enppi Emerson.
- : Hazard area classification and standards for instrument construction.
- : Sea survival training course in Arab Academy for Science, Technology and Maritime Transport.
- : Risk assessment and job hazard analyses.
- : On-site training by SOLAR in Operation and Routine Maintenance of SOLAR turbine Mars 90.
- : On-site training by El-Sewedy Automation Training Centre on Allen Bradley PLC RS-Logics 5000 (Ethernet and Control net).
- : Advanced turbine control system course in OGS (Oil & Gas Skills Co.).
- : PETROBEL Belayim Petroleum Company.
- : Advanced PLC course (HIMA, Siemens S7).
- : Control valve engineering course in OGS (Oil & Gas Skills).

: Advanced microcontroller course (PIC, ATMEL, MOTOROLA).

## CHRONOLOGICAL EXPERIENCE RECORD

**Employer** : North Sinai Petroleum Company (NOSPCO)

**Job title** : I&C Engineer

**Employer** : Oil Petroleum Silah Company (Petrosilah)

**Job title** : I&C Engineer

- Field of experience** :
- DCS EMERSON Delta-V, the system consist of ICSS, ESD and F&G systems (ON-SHORE and OFF-SHORE) communicate by Microwave redundant with V-sat systems (serial and Ethernet in both):
    - Commissioning and start-up phase
      - Attended loop check for all Input/Output devices.
      - Function check for all instrument and F&G devices.
      - Carried out Actual check and updated the built in (Cause and Effect and ESD diagrams).
      - Editing and modification for System Graphics.
    - Normal operation:
      - Tracing any software and hardware problems with ability to configure the system.
      - Open sessions and deal with Guardian Support Remote assistance.
  - DCS ABB (ACF800C), commissioning and start-up phase:
    - Attended loop check for all Input/Output devices.
    - Function check for all instrument and F&G devices.
    - Carried out Actual check and updated the built in (Cause and Effect and ESD diagrams).
    - Editing and modification for System Graphics.
  - BMS (Burner Management System) PLC HIMA: system commissioning and start-up.
  - Allen Bradley PLC RS-Logics 5000 equipped with Solar turbine Mars 90:
    - System commissioning and start-up.
    - Tracing alarms and shutdown conditions for the turbine and perform any required Modifications.
  - PLC Siemens SIMATIC Step 7 equipped with Nitrogen package:
    - System commissioning and start-up.
    - Tracing alarms and shutdown conditions.
  - Daniel Metering System with gas chromatography: System commissioning and start-up and integration with DCS.
  - In Field Instrumentation:
    - Switches, Transmitters & Gauges for (Pres., Temp. Level and Flow).
    - Control Valves (Nuovo Pignone, Fisher, Samson, Masoneilan ...), I/P Converters, Positioner.
    - Fire fighting systems (Gas/ fire detection).
    - Protection Systems (Vibration & Speed).
  - In Machinery:
    - Solar Turbo Compressor Mars 90:
      - Attended construction, start-up phase and commissioning for

- the turbine.
- Attended the activities to clear punch list items.
- Participate in the turbine normal operation activities.
- Cummins Gas and Dual fuel engine generators (QSK 60G):
  - Attended construction and start-up phase for the engines.
  - Attended the activities to clear punch list items.
  - Participate in the engine normal operation activities.
- Air Compressors (Atlas Copco) with air dryers: Attended construction, start-up phase and commissioning.
- OFF-SHORE: Carried out commissioning and start-up and integration with DCS including (instrument gas dryer, separators skid, well head control panel, Roxar wet gas meter, Rotork choke motor operated valves, HIPPS system, Chemical injection system, sssv, ssv, wing valve ...).