

Holds a B. Sc. in Mechatronics Engineering and has over 5 years hands-on experience in Oil and Gas, LPG Plant in Instrumentation Dep. with skills in Installation, Troubleshooting, Maintenance, Calibration, Commissioning and experience in Cause & Effect, Function test, Loop Check of Process Control Instrument, Fire & Gas, FSD and ESD and Control Systems like DCS, PLC.

## **PERSONAL DATA**

Nationality : Egyptian  
Birth Date : 01/10/1989  
Gender : Male  
Marital Status : Single  
Residence : Dakhalia

## **EDUCATION**

: B. Sc. in Mechatronics Engineering, Higher Technological Institute (HTI)  
10th of Ramadan City, Egypt, 2011  
: Preparing for Master in Automatic Control, Mansoura University

## **LANGUAGES**

Arabic : Native Language  
English : Good

## **COMPUTER SKILLS**

: Windows, MS Office, Internet  
: Programming PLC  
: Microcontrollers and DCS  
: Simulation programs  
: Matlab and AutoCAD

## **TRAINING COURSES AND CERTIFICATIONS**

: Welding DT//NDT of Petroleum Static Equipment, Petrojet Co. (Central Work Shops, Kattamia, Cairo, Egypt) (from May till Jul. 2008).  
: Process Instrumentation, Petrogulf Misr Oil Co. (Zaitbay, Redsea, Egypt) (Jun./Jul. 2009).  
: Pumps maintenance, Rashid Petroleum Co., Rshbetco (Rosetta Field, Edko, Egypt) (Aug. 2009).  
: Turbine Instrumentation, Belayim Petroleum Co., Petrobel (Abu Rudies, Sinai, Egypt) (Jun./Jul. 2010).

- : Maintenance Plastic Injection Machines, Fresh Home Appliances Co. (10th of Ramadan City, Egypt) (from Feb. till Apr. 2011).
- : Maintenance of Fracture (FRAC) Equipment, Schlumberger Co. (Matrouh Yard, Marsa Matrouh, Egypt) (Nov. 2012).
- : 1st International Conference on Innovative Engineering Systems (ICIES) (Alexandria, Egypt) (Dec. 2012).

## CHRONOLOGICAL EXPERIENCE RECORD

**Dates** : From Jan. 2016 till now  
**Employer** : Khalda Petroleum Company (KPC)  
**Project** : Kalabsha Field, Western Desert, Egypt  
**Job title** : I&C Engineer

**Dates** : From Dec. 2011 till Dec. 2015  
**Employer** : Egyptian Maintenance Company (EMC)  
**Project** : Belayim Petroleum Co. (Petrobel), LPG Plant, South Sinai, Egypt  
**Job title** : I&C Engineer

**Job Description** :

- Review of control philosophy, P&ID, PFD, cause & effect diagrams, instruments list, Loop diagrams, Cable tray layout, Junction box wiring diagram, Cable schedule, Hook up, Instrument data sheet and flow chart.
- Troubleshooting, Maintenance, calibration and commissioning of Field Instruments (PT, TT, DP, LT Transmitters, Switches, Valve positioners, I/P, P/I, etc.).
- Troubleshooting, Maintenance, calibration and commissioning of Fire & Gas systems.
- Dealing with HART protocol to calibrate and diagnose smart devices.
- Designing, Implementing and Commissioning of new control loops as per site requirements.
- Upgrading local pneumatic control loops to Electronic control loops and include all changes in to as built drawing.
- Troubleshooting, Calibration and Tuning of old PID controllers.
- Installing and Setting up New recorders (Honywell eZtrend QXe).
- Troubleshooting, Maintenance and adjusting of the dosing Texsteam pumps used for corrosion inhibitor injection (dresser 5000 series).
- Participated in TB5000 Siemens Gas Turbine overhauling and commissioning.
- Troubleshooting and commissioning of vibration system Bentley Nevada 3500 for gas turbines.
- Troubleshooting, Maintenance and commissioning of the following units:
  - Instrument air compressors (Air comp).
  - Desiccant air dryers (Kemp, Atlas Copco).
  - Nitrogen Generation System (Kemp).
  - Gas compressors (Nuovo Pignone).
  - Hot Oil Heaters control (Verga, Takuma).
- Troubleshooting of PLC system (Siemens simatic S7 300) and resolve faults diagnostic.
- Review and approval of the supplier technical offers and sharing in the technical decisions.

- Dealing with SAP system for making material requisitions and revise the stock as required.
- Supervise technicians and contractors in the execution of work orders.
- Preparation of scope of supply, necessary document, datasheet and I/O list for upgrading old control system to new DCS system.
- Review the control and marshalling panels' components with BOM.
- Attend meeting and discussions with the supplier to satisfy the scope requirements.
- Participation in the commissioning, cold & hot loop check of FOXBORO I/A series DCS and associated field instruments.
- Participation in the installation, commissioning and loop check of Fire & Gas system and its associated instruments (gas detectors, smoke detectors, Heat detectors, H2S detectors and FM200 panels).
- Participation in logic testing of ESD, FSD and Fire & Gas system and satisfy the cause & effect.
- Participated in SAT & start-up of FOXBORO I/A series DCS.
- Participation in preparing final as built documentation.
- Troubleshooting & diagnose the Hardware and Software issues of Foxboro IA series.
- Modify and develop new Graphics, Logic and daily reports through Fox view/Fox draw software, IACC and AIM-AT (Historian) respectively.
- Review History and Trends of I/O through AIM-AT (Historian).
- Diagnose and calibrate smart devices through Pact ware.
- Preparing scope of supply and instrument list for upgrading the control system of two Nuovo Pignone gas compressors from Siemens S5 to Allen Bradley control logix series.