

Holds a B. Sc. in Electronics & Communication Engineering and has over 10 years hands-on experience working in I&C field.

## PERSONAL DATA

Nationality : Egyptian  
Gender : Male  
Residence : Currently Yemen

## EDUCATION

: B. Sc. in Electronics & Communication Engineering, Institute of Aviation and Engineering Technology, Cairo, 2009

## LANGUAGES

Arabic : Native Language  
English : Excellent

## COMPUTER SKILLS

: Windows, MS Office, Internet  
: Microcontrollers programming  
: Design SCADA system by using Indusoft software  
: AutoCAD

## TRAINING COURSES AND CERTIFICATIONS

: Control Diploma, HA Consulting Group, Cairo (Aug. 2014 – Oct. 2014):

- Classic control.
- PLC basic & advanced.
- Programming (Siemens S7-1200 & S7-300) using TIA portal and Sematic manager.
- SCADA system & HMI programming.
- Instrumentation.

: CCNA, Telecom Egypt Cisco Academy, Cairo (Jan. 2010 – Mar. 2010):

- Network basics.
- Switching.
- Routing.

: Aircraft basic avionics, Egyptian Aviation Academy, Cairo (Aug. 2008 – Nov. 2008).

: GSM & GPRS, Jelecom Company, Cairo (Mar./Apr. 2008).

: Basic of telecommunication, Systel Training Center, Cairo (Nov./Dec. 2010).

## CHRONOLOGICAL EXPERIENCE RECORD

**Dates** : From May 2020 till now  
**Employer** : PESCO Emirates  
**Project** : Aden Power Plant in Yemen  
**Job title** : I&C Engineer  
**Job Description** :

- Troubleshooting and configuration for Allen Bradley PLC (1756-L73) using studio 5000 software and apply modification to achieve the required function during function test.
- Troubleshooting and configuration of Siemens PLC (S7-1500) and HMI (KTP700) using TIA portal software.
- Troubleshooting and configuration for PRSoft modules to communicate with different electrical devices and instruments through Modbus TCP/IP protocol.
- Using HART communicator (475 & Trex) to configure pressure, temperature, flow and level instruments in the field.
- Troubleshooting and configuration for SCADA stations using Factory talk software.

**Dates** : From May 2019 till Feb. 2020  
**Employer** : GS E&C  
**Project** : ERC (Egyptian Refining Company)  
**Job title** : Control System Engineer  
**Job Description** :

- Troubleshooting and configuration for Honeywell Experion PKS DCS (Series C-controller) using Experion PKS R430 software.
- Troubleshooting for HIMAX ESD system using SILWORX software.
- Troubleshooting and configuration for Bentley NEVADA (3500 vibration monitoring system).
- Troubleshooting and configuration for the following PLCs:
  - Allen Bradley PLC (1756-L71&1756-L73) using RSlogix 5000 software.
  - Mitsubishi PLC(FX5U) using MELSOFT SERIES GX works software.
  - Siemens PLC (S7-1200&S7-400) using TIA portal and Sematic Manager software.
- Responsible for following and supporting vendors during commissioning.
- Responsible for following and supporting operation team during start up, performance test and normal operation of different units.

**Dates** : From Aug. 2013 till Jan. 2019  
**Employer** : Target Technical Service, Cairo  
**Job title** : I&C Engineer  
**Job Description** :

- Projects:
  - Owner: Petro Dara Petroleum Company:
    - ❖ Hana Hana west petroleum station.
    - ❖ South Arta station.
    - ❖ North West Gharib station.
  - Owner: West Bakr Petroleum Company:

- ❖ K-south station.
- ❖ K station.
- Projects responsibilities:
  - Prepare project documentation and drawings on client's specifications and requirements like P&ID, cause and effect, user manual and loop test.
  - Cable design included sensor, pumps and connection between panels.
  - Design PLC program as required on functional documentation.
  - Design of control circuits and layout of panels.
  - Prepare bill of material.
  - Implementation of control circuits and layout of panels.
  - Prepare as built drawings for control panel.
  - Perform factory acceptance test (FAT) and ensure that FAT procedures should be derived from functional documentation.
  - Follow site acceptance test (SAT) includes testing components supplied under project scope and ensure that operation functions should be derived from functional documentation.
  - Follow project commissioning.
  - Follow operation of station on the site to ensure that all functions work well.
- Projects summary:
  - A SCADA system for oil station using LabVIEW and WINCC software.
  - A control system for production tanks, pumps, burner and valves using Siemens PLC (S7-1200) and TIA portal software.
  - A solar cell panel to supply components of remote tanks.
  - Using Modbus communication protocol to communicate between CPU of PLC and remote I/O and sensors through RS-485 serial communication.
- Projects:
  - Owner: Total Multinational Corporation:
    - ❖ Marsa Alam international airport fueling station.
    - ❖ Suez station.
- Projects responsibilities:
  - Calibration of sensors installed on the site and ensures that reading within the tolerance level.
  - Maintenance of remote operated valves installed on the site to prevent production leakage.
  - Testing for control panels on the site and ensure that operation function works well.
  - Testing level switch sensors installed on the site to ensure that it energized at calibrated level.
- Projects summary:
  - A SCADA system for fuel station using LabVIEW and WINCC software.
  - A control system for production tanks, pumps, burner and valves using Siemens PLC (S7-1200) and TIA portal software.

**Dates** : From Apr. 2012 till Jul. 2013  
**Employer** : SGA Company (subcontractor to EMAS Company), Cairo

**Projects** : • Porto October Garden (landscape)  
• Reem Residence (6 October City)

**Job title** : Site Electrical Engineer

**Job Description** : • Reading shop drawing and preparation of as built drawing.  
• Test power cables by measurement instruments.  
• Follow installation of up lights, lightening poles and water proof junction box.  
• Follow pulling low voltage and medium voltage cables.  
• Projects summary:  
- Electrical lighting panel for Porto October Garden.  
- Electrical distribution system for Reem Residence.

**Dates** : From Jan. 2011 till Jun. 2011

**Employer** : Super Service Telecommunication Company, Cairo

**Job title** : Telecommunications Engineer

**Job Description** : Maintenance of Ericsson devices installed at Vodafone mobile station.