

Holds a B. Sc. in Electrical Engineering (Communication & Computer Section) and has more than 4 years experience working in I&C / automation field.

## **PERSONAL DATA**

Nationality : Egyptian  
Birth Date : 15/10/1994  
Gender : Male  
Marital Status : Married

## **EDUCATION**

: B. Sc. in Electrical Engineering (Communication & Computer Section),  
Benha University, 2018

## **LANGUAGES**

Arabic : Native Language  
English : Very Good

## **COMPUTER SKILLS**

: Windows, MS Office, Internet  
: Python  
: C++  
: Ladder Diagram  
: Function Block Diagram  
: AutoCAD  
: TIA  
: Ovation system  
: Netmation system

## **TRAINING COURSES AND CERTIFICATIONS**

: Process Instrumentation and control at APEX Dubai.  
: OSHA Construction Industry & OSHA General Industry & Confined Space  
Entry & Fire Fighting & Risk Assessment from ESC & Accredited Certificates  
from OSHACADEMY.  
: Instruments and control at Engineering House Technology (EHT).  
: SCADA system at Engineering House Technology (EHT).  
: DCS system at Engineering House Technology (EHT).  
: AMIDEAST (English Course).

- : ICDL Certification.
- : Training at GASCO Egyptian Natural Gas Company at El Amreya, Alexandria, as I&C Engineer (Jul. 2017).
- : Training at Middle Delta Electricity Production Company (MDEPC), New Mahmoudia Power Plant with total capacity 336MW (168x2MW) as I&C Maintenance Engineer (Jul. 2015).
- : Training at Middle Delta Electricity Production Company (MDEPC), Nubaria Combined Cycle Power Plant 2250MW (3x750MW) as I&C Engineer (Jul. 2016).
- : Training at NARSS (National Authority for Remote Sensing and Space Science) as Electronics Engineer (Jul./Aug. 2017).

## CHRONOLOGICAL EXPERIENCE RECORD

- Dates** : From Sep. 2021 till Sep. 2022
- Employer** : [EGYPTROL](http://www.egyptrol.com) – Elsewedy Power
- Project** : SEWA Layyah Power Station, UAE
- Job title** : I&C Engineer
- Job Description** :
- Operation DCS at DIASYS Netmation & Ovation.
  - Commissioning and start-up Gas Turbine Mitsubishi model 2x325MW.
  - Commissioning and start-up POP auxiliary systems.
  - Pre-Commissioning Activities like Loop Check, Leakage Tests and Circuit Breakers with the Control System.
  - Monitor, troubleshoot & maintenance the valves.
  - Project Documentation reports & preparation of As-Built drawings.
  - Calibration and stroking the control valves...by Hart 475 and hart trex.
  - Troubleshooting the I&C problems and find out the proper solution.
  - Calibration, Installation, Instrumentation piping of all Field Instruments such as Thermocouples, RTD's, Flow meters, Solenoids, Transmitters, Fire detectors, Flame detectors, Vibration and speed sensors, Switches etc. and Controllers.
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- Dates** : From Feb. 2021 till Sep. 2021
- Employer** : Electric Technology Co.
- Job title** : Automation Engineer
- Job Description** :
- SIMATIC controller (logo – automation with advanced controllers).
  - SINAMICS (Micromaster – v20 – SIRIUS 3RW – Converters).
  - Process Instrumentation at SIEMENS products (Pressure Measurement - Temperature Measurement - Flow Measurement - Level Measurement - Positioners - Weight Measurement).
  - Totally Integrated Automation Portal (TIA).
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- Dates** : From Jan. 2019 till Feb. 2021
- Employer** : Al-Hashemiah / China Energy Group JEPCC1
- Project** : Cairo West Power Station (1x650MW)
- Job title** : E&I Engineer
- Job Description** :
- Grounding – installation electrical panels – installation Cable trays & Ducts – lighting – Cathodic Protection.
  - Calibration and stroking for different types of On/Off and Control valves

such as: STI, SAMSON, FISHER, ROTORK, Limitorque, AUMA, FLOWSERVE.

- Calibration and stroking the control valves...by Hart 475.
- Calibration and maintenance Transmitters (Pressure, Flow, temperature, Level) Type: ABB, Yokogawa, Rosemount, Endress + Hauser, Siemens.
- Troubleshooting the problems and maintenance the Thermocouples – R.T.D – Solenoids.
- Commissioning for Fire system, Gas detectors, Flame detectors, Vibration, speed sensors and proximity sensors.

**Dates** : From Jun. 2018 till Dec. 2018

**Employer** : GASCO Egyptian Natural Gas Co.

**Project** : El-Amreya, Alex

**Job title** : I&C Engineer

**Job Description** :

- Room Control I&C Engineer (PLC - DCS).
- Calibration, Installation, Instrumentation piping of all Field Instruments such as Thermocouples, RTD's, Flow meters, Solenoids, Transmitters, Fire detectors, Flame detectors, Vibration and speed sensors, Switches etc. and Controllers.
- Pre-Commissioning Activities like Loop Check, Leakage Tests and Circuit Breakers with the Control System.
- Monitor, troubleshoot & maintenance the valves.
- Project Documentation reports & preparation of As-Built drawings.

**Field of experience** :

- Experience in construction and commissioning at Power Station I&C (Gas Turbine and Steam Turbine) start-up & DCS Operation.
- Experience in MPW (Netmation system), Emerson (Ovation system), Gas Turbine, Steam Turbine, fire alarm system and instruments.
- Experience in Electrical Constructions for power station (Grounding – installation electrical panels – installation Cable trays & Ducts – lighting - Cathodic Protection).
- Advanced knowledge in maintenance for Fire system, Gas detectors, Flame detectors, Vibration, speed sensors and proximity sensors.