

Holds a B. Sc. in Electrical Power & Machines Engineering and has over 6 years hands-on experience working in automation field.

## **PERSONAL DATA**

Nationality : Egyptian  
Birth Date : 03/05/1988  
Gender : Male  
Marital Status : Married  
Residence : Future City, Cairo

## **EDUCATION**

: B. Sc. in Electrical Power & Machines Engineering, Helwan University, 2012  
: FE Electrical and Computer (2019 Oct.): NCEES - Approved Pearson VUE Test Center (AUC EGYPT), Fundamentals of Engineering (FE) exam is generally your first step in the process to becoming a professional licensed engineer (P.E.)

## **LANGUAGES**

Arabic : Native Language  
English : Good  
French : Basics

## **COMPUTER SKILLS**

: Windows, MS Office (Word, Power Point), Internet  
: CMMS (SAP Business Enterprise)  
: IOT  
: ABB Software PCM600 2.8,VSD Drive View, ARTICS Tool  
: SIEMENS SIMATIC Manager, CoDeSys V2.3, WAGO IO Check  
: SIMATIC Win CC flexible program  
: Proteus 7.7 SP2 Portable & Micro C PRO

## **TRAINING COURSES AND CERTIFICATIONS**

: Industrial process Instrumentation and Measurements.  
: PLC SIEMENS STEP7.  
: Automatic control (Relays & contactor).  
: Micro-Controller (Microchip-family PIC16F8xx).

- : ABB ACS800 LV Variable Speed Drives (VSD) for Industrial Control.
- : NIDEC ASI SVTH MV Variable Speed Drives (VSD) for Industrial Control.
- : Rules and Procedures for PTW & HSE System.
- : Gas & Vapors Electrical/Instrumentation CompEx (EX01 - EX 02 - EX 03 - EX 04).
- : Summer trainings at:
  - South Cairo Power Station (2010).
  - Cairo Oil Refining Company (2009).
  - Helwan University (2008).

## CHRONOLOGICAL EXPERIENCE RECORD

- Dates** : From Jul. 2014 till now
- Employer** : BAPETCO Shell/EGPC JV for Oil & Gas
- Job title** : Electrical & Control Engineer
- Job Description** :
- Develop and implement preventive and corrective maintenance (PM & CM) programs and procedures for LV-HV Switch gear, Generators, Motors and power transformers, Heat traces systems, UPS, Battery charger, LV / MV VSD, PMS System.
  - Execute and Implement within FCP Form Electrical modifications and enhancement in order to improve the reliability and availability of electrical equipment system.
  - Troubleshoot, diagnose and repair all Common models Variable Frequency Drives (VFD), Soft Starters.
  - Monitor spare parts, consumables and equipment stock levels and issues requisitions to replenish Stock level on a regular basis; recommends modifications on agreed levels up to date.
  - Troubleshoot, diagnose and Implement function test for multiple operation modes for UPS and battery charger systems by special software or GUI presented by OEM.
  - Commissioning or Start-up automation, drives, MCCs, MV-LV drives and any control systems include PLC.
  - Implementation of comprehensive Isolation De-isolation and Switching programs for HV/LV Electrical Equipment (Authority Level: AEP).
  - Figure out and modify Settings parameter, Configure, Commission and Start PLC, HMI for Complicated Electrical power systems as ENMCS System or MV VSD.
  - Simulate & Test by different software settings parameter and configuration philosophy logic of Protection Relays IED for HV-LV Switchgear or switchboard drawers.
  - Comply with safety and Electrical (DEP) Shell rules or procedures and undertake FAT & SAT for Upgrade project.

- Dates** : From May 2013 till Jun. 2014
- Employer** : Electro-Hydraulic Automation
- Job title** : Automation Engineer
- Job Description** :
- Troubleshoot, diagnose and repair for LS Automation products and systems or third party equipment interfaced to it.
  - Program, Configure, Commission and Start VSD (Variable speed drive)

Application including Interface with PLC through industrial network protocols. (ModBus RTU, TCP/IP Ethernet IP....etc.

- Provide technical customer support and maintenance services in customer Facilities with high quality standards.
- Program, Configure, Commission and Start PLC, HMI for new projects or upgraded for old machines or obsolete equipment.