

Andrawous Ebrahim Tamer  
**Mechatronics Engineer**  
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Location: Erbil

### **PERSONAL DETAILS:**

Date of Birth : 19/9/1989

Nationality : Syrian

Marital status : Married

Military status: Exempted

Driving License: Private

### **EDUCATION:**

Graduation Degree : B.Sc. Engineering

Major : Mechatronics Engineer.

Graduation Year : 2012

University : Tishreen University (State University) , Syria , Lattakia

Grade : Very Good / 80.07

Graduation Project : Automated crane bridge with PLC.

Project Grade : Excellent

### **Work Experience:**

- ) From 1/3/2018 Till now as Senior BMS engineer at Hassan Allam Technology
- ) From 13/11/2012 Till 28/2/2018 as BMS engineer at Drake&Scull International
- ) From 1/4/2015 till 5/12/2017 as BMS instructor at Cadars Makers center
- ) From 2/9/2012 Till 10/11/2012 as PLC engineer at EGIC .
- ) From 5/2/2009 Till 3/4/2012 as Electro Mechanical Assistance Engineer at Al Araby Trading.
- ) From 1/7/2009 Till 30/9/2009 as Trainer Engineer at CCC in Lattakia

### **Courses and training:**

- Training at Consolidated Contractors Company (CCC) in Syria for 3 months from (1/07/2009) to (30/9/2009) months in Electrical works (cable routing, lighting and Electrical design (Technical office and site) .
- Programmable Logic Controller (PLC) courses with Siemens (I have 3 certificates from Siemens in PLC programming and solutions for technical problems) .

### **Language Skills:**

- Arabic : Mother tongue.
- English: Excellent in reading, writing and speaking.

### **Computer Skills:**

#### **Programming:**

- Logo Siemens PLC program.
- Andover Continuum Software (Schneider S/W)
- Mechatronics Software (Mastercam for CNC programming, Solidwork for Mechanical equipment simulation & electrical drawings programs) .
- Programming language (C++, Matlab, C, PIC ) .

#### **Office Works:**

- ) AutoCAD 2D (preparing drawings for BMS and all required detail and wiring diagram related to BMS )
- ) All Microsoft Windows, Microsoft office and Internet browsing programs.
- ) Revit MEP

### **Work Experience Details:**

- 1- From 1/3/2018 Till now as Senior BMS engineer at Hassan Allam

#### **Technology:**

Company type: Hassan Allam Technology is one of the biggest MEP contractor companies in Egypt.

Projects: Mansoura 4 , Mansoura 5 and Malek Zayaed Palace at Al Alamein new City.

Job Description:

- A. Preparing submittals, shop drawings and Input/Output List for BMS according to project specification.

- B. Site works for BMS and Fire Alarm System including first and second fix and field device installation and termination.
- C. Interlocks between HVAC system and fire alarm system through BMS.
- D. VFD (Variable Frequency Drive) wiring diagram, termination and programming.
- E. FCU thermostat wiring ,termination and programming
- F. DDC (Direct Digital Controller) panels wiring, installation, termination, programming and commissioning.
- G. Smoke and heat detectors installation and evacuation system for life safety .
- H. Full integration between BMS and other systems as (fire alarm, CCTV , Electrical multimeters, access control, chiller , boiler ...etc )

2- From 13/11/2012 Till 28/2/2018 as BMS engineer at Drake&Scull International :

Company Type: Drake and Scull International is a big MEP contractor company in Dubai and has projects in Arab countries .

Projects: NCP (Nile Cornish Project) and Alrahma Hospital in Cairo

Job description:

- A. Preparing submittals, shop drawings and Input/Output List for BMS according to project specification.
- B. Making the Bill Of Quantity (BOQ) as per point list.
- C. Fire Alarm System shop drawing and site work including first, second fix ,device installation and termination .
- D. FM200 fire fighting system calculation and shop drawing
- E. Site works for BMS and Fire Alarm System including first and second fix and field device installation and termination.
- F. Interlocks between HVAC system and fire alarm system through BMS.
- G. VFD (Variable Frequency Drive) wiring diagram, termination and programming.
- H. Review electrical and mechanical submittal to confirm that BMS points included in the equipment.
- I. DDC (Direct Digital Controller) panels wiring, installation, termination, programming and commissioning.

- J. Monitor and control on Power equipment as (MDP ,MCC and Switchgears)
- K. Control and monitor the generator via protocol connection with BMS .
- L. Testing and commissioning for and fire alarm system as per cause and effect matrix with full integration with BMS .
- M. BMS field devices installation (switches, sensors, valves and actuators) and termination
- N. CCTV system first fix and second fix including the integration with BMS.
- O. Workstation web browser commissioning to monitor and control the project from everywhere via IP protocol.
- P. Full integration between BMS and other systems as (fire alarm, CCTV , Electrical multimeters, access control, chiller , boiler ...etc )

3- From 1/4/2015 till 5/12/2017 as BMS instructor at Cadars Makers center in Cairo

Company Type : courses center

Job type : part time

Job description:

- A. BMS Courses for Electrical, Mechanical, Mechatronic and Telecommunication Engineers.
- B. Site tour with every engineer in course to apply the course onsite.

4- From 2/9/2012 Till 10/11/2012 as PLC engineer at EGIC (Egyptian German Industrial Corporate )

Company type : Factory for pvc pipes

Job Description: PLC programmer and CNC machine maintenance

5- From 5/2/2009 Till 3/4/2012 as Electro Mechanical Assistance Engineer at Al Araby Trading.

Company Type :Siemens brand trading and panel builder

Projects:

- 1- Water treatment plant station for steel rolling factory for Hmisho Company - Homs – Syria

- 2- Water treatment in Med Steel Factory for iron smelting plant , Adra- Damascus – Syria
- 3- Electro Mechanical Works with (ROKAS Greece Company ) in Tartous Port – Syria.

Job description:

- A. Installation, Testing and Commissioning PLC Controller by using Logo and Step 7 software .
- B. Develop the engineering (I/O list, wiring diagram, schematic, Sequence of Operation)
- C. Operating pump station in Syria with PLC Siemens

6- From 1/7/2009 Till 30/9/2009 as Trainer Engineer at CCC in latakia

Company Type : CCC is a big contractor in civil and MEP .

Projects: Ibn Hany Resort in Latakia

Job description :

Trainer engineer on technical office works for electromechanical systems and site works for electrical works .