

Holds a B. Sc. in Electrical Power & Machines Engineering and has about 5 years hands-on experience working in automation field.

PERSONAL DATA

Nationality : Egyptian
Birth Date : 16/08/1990
Gender : Male
Residence : Cairo

EDUCATION

: B. Sc. in Electrical Power & Machines Engineering, Helwan University, 2012

LANGUAGES

Arabic : Native Language
English : Very Good

COMPUTER SKILLS

: Windows, MS Office (Word, Excel, Power Point), Internet
: AutoCAD
: Matlab
: Eplan

TRAINING COURSES AND CERTIFICATIONS

- : Internships:
- Egypt Air at Centers, aircraft maintenance and renewal (hangar 8000 hangar 7000, hangar 6000) (one month) (Aug. 2010).
 - Company Egyptian Iron and Steel (one month) (Aug. 2010).
 - El-Sweidy Electric (Abu Qir, Alexandria) (one week) (Aug. 2010).
 - Factory 98 Military Production (one month) (Jun. 2009).
 - Electrical Workshops - Faculty of Engineering - Helwan University (one month) (Jun. 2009).
- : Courses:
- Wonderware intouch software.
 - Wonderware system platform.
 - Basic of PLC (Schneider Electric Certificate) by Compusystem.
 - Electrical Power Systems Distribution.
 - PLC (Programming by Ladder Diagram) Siemens.
 - SCADA visio citect Schneider by Compusystem.

- Rockwell Automation Partner training in KSA.
 - FOXBORO DCS Invensys (in progress) by Compusystem in AUC.
 - REVIT MEP (in progress) by Compusystem.
 - ICDL (International Computer Driving License).
- : Human Development Sessions:
- Time management.
 - Strategic planning.
 - Leadership mystery.
 - Communication skills.
- : Sessions attended:
- ABB seminar, Helwan University.
 - Leadership Skills – dimension organization, Faculty of Engineering, Helwan University.
 - PLC – Intensive course, Egyptian Iron and Steel Company (one week).

CHRONOLOGICAL EXPERIENCE RECORD

- Dates** : From Nov. 2016 till now
- Employer** : Philipco for Electromechanical Engineering
- Job Description** :
- Working as Sub-contractor Site Manager for EI-HADABA-2 substations (220/66/11KV) 2 x 175 MVA transformers (XD-Xian (XD-Egemac)) and the feeding of 220KV for GIS busbar is from EI-HADABA-1 AIS extension by two new feeders and connecting to EI-HADABA-2 by underground cables by Elsewedy-Energys. Responsible for installation, primary, secondary, testing and commissioning for substation which consist of 220KV system (GIS type) and two oil transformers (220/66/11KV 175 MVA each) and 66KV system (GIS medium switchgear type) with four 40 MVA (Elmaco) oil transformers (66/11KV) and underground cables for 11KV.
 - Working knowledge of electric power systems 11KV, 66KV and 220KV.
 - Working knowledge of Substations construction, testing and commissioning with rated voltages up to 220KV.
 - Working knowledge of Power transformers construction with rated power up to 175 MVA.
 - Well known about: single Line Diagram, General Equipment Layout, Cables Raceway, cable schedule and termination, Openings & Duct banks, AC Package, DC Package, indoor & Outdoor lighting system Design, Earthling Package, lightning Protection System Design, Prepare Materials BOQ, Review Technical Offers, ...etc.). Provide technical support to employees and contractors in the installation, maintenance and troubleshooting of system components.
- Dates** : From Jun. 2014 till Nov. 2016
- Employer** : Future Controls - Control System Technology Co. Electrical & Mechanical
- Job title** : Automation Engineer
- Job Description** :
- Projects:
 - Arab Contractors: Supply, installation and test a PLC unit (M340) and (Premium) with SCADA MOVICON 11.4.
 - Uniza & Preda Odor Control system: Supply, installation and edit in scada then communicate with PLC unit for odor control system.
 - Okad & Kadra WTP (KSA):

- System: M340 PLC gathering data from field and send it to control room by Factory-talk workstation (Rockwell automation) and VISU+ by PHOENIX-CONTACT.
- Task: HMI screens design and scada application by Factory-Talk.
- Tendering:
 - Petroleum Pipes Company.
 - Abu Oweikal Project (New Cairo).
 - Max 1 & 2 Alexandria Project.
 - Boiler Control unit (AMISAL).
 - Qonfoza STP (KSA).
 - Al Qassim STP (KSA).
 - Al Muhaidib Instrumentation (KSA).
 - Bukeriya & Muznib STP (KSA).
 - Okad & Kadra WTP (KSA).
- Responsibilities:
 - Project study (Tendering, preliminary I/O's list, system layout, cable schedule, technical offer, BOM and approximated cost for all project).
 - Preparation of technical and commercial tenders. Understand, interpret and respond to complex technical specifications & documentation. Liaising with component suppliers when necessary. Review and manage the customers' enquiry process into a workable solution.
 - Submit a detailed response to enquiry documentation and provide answers/responses to any sub sequent request for clarification. Develop cost as part of the quotation process.
 - Well known about the drawings of the automation panels using PLC/RTU I/O signal list applied to the PLC/RTU configuration components with reference to the manuals and hardware catalogs using AutoCAD, E-plan & AutoCAD Electrical.
 - PLC selections for required application (Siemens, Schneider, GE, TBOX, PHOENIX, ...etc.).
 - BOM creation by using selection tools for Schneider and Siemens.
 - Work on wonderware scada by Schneider Electric.
 - Well Known about Movicon 11.4 Scada Software.
 - Well known about communication protocols and media.
 - Well known about Tags, alarms, trends, Object Animation, object oriented scada and communication between scada and plc using OPC server and testing.
 - Well known about Unity pro – Schneider and testing with wonderware scada.
 - Well Known about TBOX software.
 - Well Known About Simatic Step 7 Software.

Dates : From Dec. 2012 till May 2014

Employer : SySTech Control System Technology – a system integrator for Schneider Electric and wonderware affiliated with Mohammed A. Al Swailem Co. (in Egypt office and KSA office)

Job title : Automation Engineer

Job Description : • Projects:

- Dammam STP (Al Dammam Sewage Treatment Plant), KSA:
 - System: Schneider automation system based on RTUs and

- wonderware system platform.
 - Task: SCADA system design and testing with PLC application.
 - SHAQRA STP (Al Dammam Sewage Treatment Plant), KSA: Intouch SCADA Application were edited and tested with Unitypro for Schneider M340.
 - Al Taif STP (KSA): Intouch SCADA Application were edited and tested with Unitypro for Schneider M340.
 - Jazan WTP (KSA): SCADA Application were edited and tested with Unitypro for Schneider M340.
 - Edabbi WTP (KSA):
 - System: wonderware system platform gathering data from T-box RTUs deep wells.
 - Task: 6-deep well screens were created and tested with its Application in T-box.
- Tendering:
 - Al Magma'a WTP Phase 2 (Al Magma'a Water and Sewage Treatment Plant (KSA).
 - Al Tai'f Central scada (Al Tai'f Sewage Water Treatments Plant), KSA.
 - ARAR WTP (ARAR Water Treatments Plant), KSA.
 - Riyadh Housing Complex STP (Riyadh Sewage Treatment Plant), KSA.
 - Rayth wtp by GE FANUC (KSA).
 - AL IHSA (ZONE 8), KSA.
- Responsibilities:
 - Design automation system.
 - Coordinating the automation projects execution tasks (office, factory and site).
 - Perform and review automation system design.
 - PLC and RTU control programming to modicon m340 and premium.
 - Network equipment selection.
 - Control room equipment selection and installation (servers, workstations).
 - SCADA integration with different systems.
 - Automation Panel review and testing.
 - Reviewing signals list, BOM and PO issuing.
 - Follow up and coordinate tendering and procurement task of the concern automation project.
 - Interfacing with the customer representative in project meeting.
 - Leading and coordinating site installation activities.
 - Project commissioning and start-up.