

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

PERSONAL DATA

Nationality : Egyptian
Birth Date : 27/02/1989
Gender : Male
Residence : Cairo

EDUCATION

: B. Sc. in Electrical Power & Machines Engineering, Helwan University, 2010
: Secondary Education: Abubakr Elsedek School, 2005

LANGUAGES

Arabic : Native Language
English : Fluent
German : Fair

COMPUTER SKILLS

: Windows, MS Office (Word, Excel, Power Point), Internet
: AutoCAD 2D
: Programmable Logic Control (PLC): Software Programming by using Ladder, FBD Languages / Hardware (Compact & Modular)

TRAINING COURSES AND CERTIFICATIONS

: Mini MBA at Egyptian Culture Center.
: Microsoft Programs (ICDL).
: Design of electrical work for projects (Aviation Information Technology) (2008).
: PLC course in Helwan University (2007).
: PLC course in Jelecom Panasonic Company (2008).
: Human Resources development and communication skills (2009).
: English courses, Ministry of Defense Language Institute (2010).
: German courses, Ministry of Defense Language Institute (2010).
: Safety and occupation health, Mokatam Training Institute (2011).
: Training at Arab Contractors Company in design of electrical work for projects (Jul./Aug. 2007).

CHRONOLOGICAL EXPERIENCE RECORD

Dates : From Jan. 2015 till now
Employer : BMW Egypt
Job title : Senior Automation Engineer
Job Description :

- In charge of 9 technicians, Leading all electrical/automation and maintenance tasks in Bavarian auto manufacturing company.
- Establish preventive maintenance checklist from equipment catalogue for all factory equipment.
- Plan, Schedule and Implement condition monitoring techniques and preventive maintenance procedures (KPI) based on ISO standards. Emergency troubleshooting and repairs, and Provide accurate repair estimates.
- Accurately diagnose root causes of equipment failures and implement effective corrective action and maintain the failure analysis database.
- Spare parts ordering procedures considering inventory of necessary failed components.
- Implement continuous improvement techniques.
- Troubleshooting PLC-type control systems (s7-400), Wincc flexible.
- Commissioning drives Micro master, excellent data sheet reader and device configuration, Tools, Sensors. Actuators.
- Fixing Devices and electronic cards (through hole PCBs).
- Report to the maintenance manager for inside the plant/outside issues.
- Meet suppliers, Negotiate, Settle down prices.

Dates : From Oct. 2013 till Dec. 2014
Employer : Power Tek Automation Company
Job title : Automation Engineer
Job Description :

- Preparing all the Engineering documents such as Layer Flow sheets, Sequence Flow Sheets, Logic Diagram, Process control system level 1, Process control system level 2 and Signal list, then depend on the Logic diagram make the Software Programming and Scada system using the Program Software that was determined by the Client before (Siemens, ABB, Schneider, Allen Bradley...etc.) to be ready for the FAT (Factory Acceptance Test) and performing the FAT with the Client.
- Member of Automation Team who was responsible for Upgrading PLC System Phase 1 (Allen Bradley) for P&G plant I.
- Member of Automation Team who was responsible for Upgrading PLC System Phase 2 (Allen Bradley) for P&G plant I.
- Member of Quotation Team who was responsible for Offline Sensors for P&G plant VI (Baby Care).

Dates : From Oct. 2012 till Oct. 2013
Employer : SEMAC Automation
Job Description :

- Automation Engineer:
 - Preparing all the Engineering documents such as Layer Flow sheets, Sequence Flow Sheets, Logic Diagram, Process control system level 1, Process control system level 2 and Signal list, then depend on the Logic diagram make the Software Programming and

Scada system using the Program Software that was determined by the Client before (Siemens, ABB, Schneider, ...etc.) to be ready for the FAT (Factory Acceptance Test) and performing the FAT with the Client.

- The Leader of Automation Team who was responsible for Programming the Alternative Fuel Project in CEMEX Cement Plant in Egypt.
- The Leader of Automation Team who was responsible for Commissioning the Alternative Fuel Project (including PLC and its communication installation, IO test, Motor Test, Sequence Test (Load and no-Load) and start-up) in CEMEX Cement Plant in Egypt.
- The Leader of Automation Team who was responsible for Programming the RAW Mill By-pass Dedusting Filter Project in CEMEX Cement Plant in Egypt.
- The Leader of Automation Team who was responsible for Programming the Gas Analyzer Project in CEMEX Cement Plant in Egypt.
- The Leader of Automation Team who was responsible for Commissioning the Gas Analyzer Project (including PLC and its communication installation, IO test, Motor Test, Sequence Test (Load and no-Load) and start-up) in CEMEX Cement Plant in Egypt.
- The Leader of Automation Team who was responsible for Programming the Raw Mill Upgrading Project in CEMEX Cement Plant in Egypt.
- The Leader of Automation Team who was responsible for Commissioning the Raw Mill Upgrading (including PLC and its communication installation, IO test, Motor Test, Sequence Test (Load and no-Load) and start-up) in CEMEX Cement Plant in Egypt.
- The Leader of Automation Team who was responsible for Programming the Truck Loader Project in CEMEX Cement Plant in Egypt.
- The Leader of Automation Team who was responsible for Commissioning the Truck Loader Project (including PLC and its communication installation, IO test, Motor Test, Sequence Test (Load and no-Load) and start-up) in CEMEX Cement Plant in Egypt.
- The Leader of Automation Team who was responsible for Programming the Packing Machine Dedusting Filters Project in CEMEX Cement Plant in Egypt.
- The Leader of Automation Team who was responsible for Commissioning the Packing Machine Dedusting Filters Project (including PLC and its communication installation, IO test, Motor Test, Sequence Test (Load and no-Load) and start-up) in CEMEX Cement Plant in Egypt.
 - The type of PLCs for all Previous Projects is Modicon Quantum.
 - The Control System for all Previous Projects are Concept 2.2, Concept 2.6, Unity Pro) and the Scada System Using ECS (FLSmith Company Software).
- Member of Automation Team who was responsible for

- Programming the Kiln By-pass Dedusting Filter Project in Suez Cement Plant (ITALCEMENTI) in Egypt.
 - The Leader of Automation Team who was responsible for Commissioning the Kiln By-pass Dedusting Filter Project (including PLC and its communication installation, IO test, Motor Test, Sequence Test (Load and no-Load) and start-up) in Suez Cement Plant (ITALCEMENTI) in Egypt.
 - The type of PLCs for all Previous Projects is ABB AC800M.
 - The Control System for Previous Project is ABB IIT 800XA.
 - The Leader of Automation Team who was responsible for Programming the PLC Communication of Dust Emission Panel in Ameryah Cement Plant (CIMPOR) in Egypt.
 - The Leader of Automation Team who was responsible for Commissioning the Dust Emission Panel (including PLC and its communication installation, IO test and start-up) in Ameryah Cement Plant (CIMPOR) in Egypt.
 - The type of PLCs for all Previous Projects is ABB AC800M.
 - The Control System for Previous Project is ABB IIT 800XA.
- Electrical Engineer:
 - Member of team who is responsible for Execution of The Electrical Commissioning depends on the Electrical Design Drawings that was done before by Electrical Design Engineers including the following:
 - Marshalling Panel Connections and Installation.
 - Sensors Installation Such as Drift Switches, Rope Switches, Level Sensors and Speed Switch.
 - Installing Power and Control Cables Connected to Motors and Sensors.
 - ACC (Auxiliary Control Cabinet) Connections and Installations.
 - MCC Connections.
 - Member of Electrical Team who was responsible for Commissioning the Alternative Fuel Project in CEMEX Cement Plant in Egypt and my responsibility concentrated in the following Tasks (Marshalling Panel Connections, Sensors Installing and ACC Connections).
 - Member of Electrical Team who was responsible for Commissioning the Kiln By-pass Dedusting Filter Project in Suez Cement Plant (ITALCEMENTI) in Egypt and my responsibility concentrated in the following Tasks (Installing Power and Control Cables, Sensors Installing and MCC Connections).
- Quotation Engineer:
 - Survey the Project and then study it carefully to prepare the Technical and Commercial Automation Offer for the Projects.
 - Member of Quotation Team who was responsible for Preparing the Technical and Commercial Offer for Coal Mill Project in Beni Suef Cement Plant (TITAN) in Egypt the and my responsibility concentrated in the following Tasks (Studying the PLC Configuration depending on Estimated IOs and the Communication System to interface with the Central Control Room).
 - Member of Quotation Team who was responsible for Preparing the Technical and Commercial Offer for Coal Mill Project in Suez Cement Plant (ITALCEMENTI) in Egypt the and my responsibility concentrated in the following Tasks (Studying the PLC

Configuration depending on Estimated IOs and the Communication System to interface with the Central Control Room and prepare the Commercial Offer).

- The Leader of Quotation Team who was responsible for preparing the Technical and Commercial Offer for Alternative Fuel Project In CEMEX Cement Plant in Egypt the and my responsibility concentrated in the following Tasks (Studying the PLC Configuration depending on Estimated IOs and the Communication System to interface with the Central Control Room, prepare the Commercial Offer and then manage with Electrical Quotation team to send the Final Offer including Automation and Electrical Offer).

- Dates** : From Sep. 2011 till Sep. 2012
- Employer** : Asec Automation
- Job title** : Automation Engineer
- Job Description** :
- Preparing all the Engineering documents such as Layer Flow sheets, Sequence Flow Sheets, Logic Diagram, Process control system level 1, Process control system level 2 and Signal list, then depend on the Logic diagram make the Software Programming and Scada system using the Program Software that was determined by the Client before (Siemens, ABB, Schneider, ...etc.) to be ready for the FAT (Factory Acceptance Test) and performing the FAT with the Client.
 - Member of Automation Team who was responsible for Programming the Whole Plant (each area consists of individual PLC) in El Minya Cement Plant in Egypt and my responsibility concentrated in the following areas (Crusher Area, Clinker Transport, Cooler, Packing, Cement Mill).
 - Member of Automation Team who was responsible for Programming the Whole Plant (each area consists of individual PLC) in National Cement Company in Egypt and my responsibility concentrated in the following areas (Clinker Transport, Cement Mills).
 - The type of PLCs for both Projects are Siemens S7-400 for El Minya Cement Plant and Siemens S7-300 for National Cement Plant.
 - The Control System for both Projects is Process Control System (PCS7).

List of Skills & Knowledge (Ex.: Allen Bradley, C++, Schneider...etc.):

- Siemens PLC Programming Software (PCS 7).
- Schneider PLC Programming Software (Concept 2.2, Concept 2.6).
- ABB PLC Programming Software (ABB IIT 800XA).
- LG PLC Programming Software (KGL for Windows).
- Programming using Flsmidth Standard (ECS).
- Programming using Siemens Standard for Cement (CEMAT).
- Programming using Italcementi Standard.

Summary:

Survey the cement factories to design and implement the Automation System needed for the factory then make the offer and then preparing the Automation Documents needed to explain what will be done and how it will be made such as Configuration, Flow Sheet, ...etc. Then Programming the Plc using the function Block diagram or ladder diagram for the whole plant then make the fat test with the Mechanical and Electrical specialists consultants then make the Automation Commissioning and also be a

member of Electrical commissioning team.