

Holds a B. Sc. in Electronics Engineering and has over 9 years' experience working in automation field.

PERSONAL DATA

Nationality : Egyptian
Birth Date : 15/05/1990
Gender : Male
Residence : Cairo

EDUCATION

: B. Sc. in Electronics Engineering, Menoufia University, 2012

LANGUAGES

Arabic : Native Language
English : Very Good

COMPUTER SKILLS

: Windows, MS Office, Internet

TRAINING COURSES AND CERTIFICATIONS

- : Water treatment solutions (Berkfield).
- : Prepare a Diploma in Automatic Control (Cairo University).
- : Classic Control Basic applications.
- : Industrial PLC Basic Applications (Siemens).
- : SIMATIC Step 7-300 Programming and troubleshooting.

CHRONOLOGICAL EXPERIENCE RECORD

Dates : From Aug. 2021 till now
Employer : EMAS - EL SEWEDY
Job title : Execution Manager
Job Description :

- Study rewarding projects and put a time plan to the projects.
- Ensure the progress of the projects schedule plan (Approvals, Materials delivery, Fabrications.... etc.).
- Manage and monitor the workflow of our projects between the team.
- Facilitate the projects engineering and execution with the team by

standardizing and simulate the work tasks.

- Hiring and train new candidates.
- Put team KPI's and evaluations.
- Technical support for the team members.
- Technical support for the presales and sales teams (Site survey and reports).

Dates : From Feb. 2019 till Aug. 2021
Employer : Veolia Egypt
Job title : Service & Project Engineer
Job Description :

- Site survey and reports for various Veolia plants.
- Project Manager of small-scale projects.
- Electromechanical supervision of Veolia projects.
- Troubleshooting all problems related to power and control systems of Veolia panels.
- Design MCC/Control panels (Load list, IO list, Instrument list and AutoCAD).
- PLC & HMI programming and troubleshooting (AB and Siemens).
- Instruments configuration, troubleshooting and calibration (E&H and Burket).
- Commissioning and start-up for small water treatment plants scale:
 - Pepsi El-Minya water treatment plant (Ultrafiltration, Activated Carbon filter & R.O) coordinated remotely with Veolia Germany (Berkfield).
 - Badr El-Den for Petroleum R.O plant & Sewage Plant.
 - Henkel water treatment plant (Ultrafiltration & R.O).
 - L'Oréal water treatment plant (Ultrafiltration).

Dates : From Sep. 2013 till Jan. 2019
Employer : Sahara Group – Rockwell Automation Representative
Job title : Automation Engineer
Job Description :

- Helwan Power Plant (Client is VEOLIA) 3x650MW:
 - Study technical specifications (control, instruments and electrical requirements for package system).
 - Prepare issued for construction documents for the control system (water treatment, condensate polisher).
 - Implementation and programming control system of condensate polisher according control philosophy using redundant controllogix (Studio5000 V24 and phase manager).
 - Implementation SCADA system according P&ID (Factorytalk View site edition network, Historian V4 and PlantPax V3.5).
 - Prepare required documents for FAT sequence.
 - Commissioning and start-up for water treatment system (Ultra filtration, RO and mixed bed systems) and condensate polisher.
- Control, Monitor and Protection System for Ras-Shuker Gas Plant Project at GUPCO:
 - Control of a gas generator and a diesel generator which feed a gas plant.
 - Compact logix, flex I/O and Ethernet adapter.
 - SCADA system for two generators.

- Configuration of Modbus RTU.
- Installation and configuration of the Bitronics M571 IED which provides a complete solution for monitoring and recording in substation applications.
- Installation and configuration of digital load sharing and speed control for engines (Isoch, Droop and Load control) and Generator auto synchronization.
- Installation and configuration of voltage regulator for engines.
- GE protection relay, current transformer and voltage transformer.
- Low voltage power circuit breaker (Siemens).
- Commissioning and start-up for monitoring and control system for Meet Fares Pumping Station:
 - Control and Monitor for the intake station and communicate it with the water treatment process station which far away about 23 km.
 - Compact logix plc and Ethernet network.
 - Control a sequence of six pumps.
 - SCADA system of intake pump station (factory talk view ME).
 - Wireless communications between two panels using GPRS.
- Borg El-Arab Petroleum Company (Control system using PLC, HMI & SCADA):
 - Commissioning and Start-up for (GAS Compressor, MOLESIEVE, New ESD & Rectifier System and SCADA System as attached BOM).
 - Control Panel Testing.
 - Cable Testing.
 - Logic Testing.
 - Scada Application Development; with Graphics, DataLog, Alarms, Trends.
 - Ethernet and DH+ Network Setup.
- Sidi Krir for PETROCHEMICALS (SIDPEC) Upgrading Coaxial System with Fiber Optical System:
 - Supervise on Fiber Optic Contractor.
 - Installation of Fiber Optical and ControlNET Network Modules.
 - Configurations of Redundant ControlNet Network File.
 - Start-up Fire and Gas SCADA Workstations (RSVIEW32).
- ANRPC for PETROCHEMICALS Migration of PLC5 to Controllogix (Partner with Invensys):
 - Application Conversion from RSLogix5 to RSLogix5000 using translate tool.
 - Replace PLC5 controller with Controllogix.
 - Conversion of Modbus Communications with DCS (ABB) and Triconex using PROSOFT (MCMR) and serial communications with SCADA (Wonderware) using Ethernet.

- Field of experience :**
- Experience in water treatment solutions projects (MMF, ACF, UF, RO & Demin treatment).
 - Experience in Electrotechnical installation of water treatment projects.
 - Experience/Qualification in Programming, Commissioning, Start-up and System Troubleshooting.
 - Skilled at design of the engineering documents such as system configuration, sequence layer flowsheet, general and detailed Function Analysis and dynamic objects.

- MCC/Control Panel design (Load list, IO List, Instrument list and AutoCAD).
- PLC Hardware: Allen Bradley PLC (Compactlogix, Controllogix, SLC 500 and PLC 5) & Siemens PLC (S7-1200, S7-300 and S7-1500).
- HMI/SCADA and AB Panels Configuration (FactoryTalk ViewSE/ME and RSVIEW32).
- Siemens PLC & HMI configuration and programming (TIA V.13& V.14 and SIMATIC STEP 7)
- Configuration Modbus, Industrial Ethernet, Controlnet, DP/MPI and Profibus.
- Instrumentations Configurations and troubleshooting (Endress & Hauser and Burket).
- Reverse Osmosis Unit design and election (WAVE Software).
- Good knowledge about Veolia product (Rapide Strata, Softner and CEDI).
- Water treatment plants troubleshooting.