

Holds a B. Sc. in Electrical Power & Machines Engineering and has about 2 years hands-on experience working in automation field.

PERSONAL DATA

Nationality : Egyptian
Birth Date : 06/02/1991
Gender : Male
Marital Status : Single

EDUCATION

: B. Sc. in Electrical Power & Machines Engineering, Helwan University, 2013

LANGUAGES

Arabic : Native Language
English : Very Good
French : Basics

COMPUTER SKILLS

: Windows, MS Office, Internet
: PCS7 (SIEMENS DCS engineering tool)
: ControCAD (ALSTOM DCS engineering tool)
: PLC SIMATIC Step 7
: SIMATIC Win CC Flexible
: AUTOCAD (2D)

CHRONOLOGICAL EXPERIENCE RECORD

Dates : From 2015 till now
Employer : ASEC Automation (ASA)
Job title : Automation Engineer
Job Description :

- DCS Upgrade for Iligan Cement Plant, Philippines:
 - Office tasks:
 - Create the project input documents as FDS, P&ID, logic diagram, network diagram and I/O list for (Two Cement Mills).
 - Perform the design of PCS7 control logic programming.
 - Perform the process graphic displays (Mimics) according to CEMAT Lafarge Standard.
 - Field tasks:

- Installation, set-up and configuration of all host redundant run-time servers and engineering work station as well.
 - Supervising the installation of PLC panels and Automation System in field.
 - Test SCADA system with control logic for the system FAT.
 - Checking and testing all the system Ethernet and Fiber optic networks.
 - Performing (I/O test, Rotation test, No load sequence test, Load sequence test).
 - Starting-up the DCS system and checking the proper configuration.
 - Two weeks training for the operation team.
- DCS Upgrade for Norzagaray Cement Plant, Philippines:
 - Profibus Communication with AB7000 Anybus Gateway for the communications with air compressors panel.
 - Profibus Communication with NT30-DPS Gateway for the communication with UPS.
 - Profibus Communication with Sinamics S150 drive for the air separator.
 - Profibus Communication with Siprotec 4-DP Module for the communication with medium voltage panels for four PLCs (Crusher, Raw Mill, Kiln, Cooler).
 - Profibus Communication with Schenck for communication with Cement Weigh Feeders.
 - Modbus Communication with UPS, HVAC And Sump Pump Local Panels using communication module CP 341-RS422/485 with Redundant PLC and I/O Modules.
 - Profibus Communication with Moxa Gateway Profibus Slave for the
 - Modbus communication with main substation.
 - PCS7 training for CRH engineers at OpEx University, Teresa, Philippines including:
 - System Design (System configuration - Distributed I/O - Network Topologies).
 - Engineering (Codification- Flow sheet- Function specifications- Messages and alarms).
 - Setting up the multi-project and automation system (Initial settings - Project archiving - Station configuration ES/OS - AS configuration and distributed I/O system).
 - FLSmith PXP system implementation at Bulacan Cement Plant:
 - Create all PXP interface signals, necessary data blocks & logic on the plant control system.
 - Create and modify control loops in logic diagrams & Process graphic displays (mimics).
 - Configuration & commissioning the PLC data exchange using
 - OPC protocol.
 - DCS Upgrade for Batangas Cement Plant, Philippines - Commissioning the DCS for 8 weeks mission on site including:
 - Starting-up the DCS system and checking the proper configuration.
 - Checking and testing all the system Ethernet and Fiber optic networks.
 - Creating the AS-Built document of the software installation and control room hardware connections.
 - One week training for the operation team.