

Holds a B. Sc. in Electrical Power & Machines Engineering and has over 7 years hands-on experience working as Automation Engineer.

PERSONAL DATA

Nationality : Egyptian
Birth Date : 29/10/1989
Gender : Male
Marital Status : Married
Residence : Shorouk City, Cairo

EDUCATION

: B. Sc. in Electrical Power & Machines Engineering, Cairo University, 2011

LANGUAGES

Arabic : Native Language
English : Very Good
French : Basics

COMPUTER SKILLS

: Windows, MS Office (Word, Excel, Access, Power Point), Internet
: MS Visio
: MS Project
: AutoCAD

TRAINING COURSES AND CERTIFICATIONS

: Programmable logic controller (PLC) (RS-logix 500 Allen-Bradley).
: Automatic Control and PLC certified by ITC (S7-200/300 PLC Siemens).
: Micro Controller, Matlab (Intro and Simulink).
: ICDL (International Computer Driving License).
: Multisim Simulation Pro.
: Visual Basic.
: AutoCAD 2D
: Comprehensive Honeywell training on:

- Experion PKS Honeywell DCS.
- Safety Manager and FSC Honeywell PLC.
- (ML200, HC900, Control Edge) Honeywell PLCs.

- HCIX Screens for HMI.
 - TDC3000 Honeywell DCS.
 - RTU 2020.
- : Trainings at:
- Cairo South Power Station (for 3 weeks).
 - Egyptian Iron & Steel Co. (for one month).
 - General Petroleum Co. (for 2 weeks).

CHRONOLOGICAL EXPERIENCE RECORD

- Dates** : From Jan. 2012 till now
- Employer** : Karad International FZCO, Heliopolis - Cairo
- Job titles** : • System Lead (from Jan. 2016 till now)
• Automation Engineer (from Jan. 2012 till Dec. 2015)
- Job Description** : • Engineering:
- Identify and follow up with project documentation relevant to system application scope.
 - Ensure implementation of correct design concepts to meet FDS and specification requirements of the project.
 - Guide the team to complete detailed engineering, configuration and testing of systems (DCS, ESD, F&G, PLC, RTU and SCADA) application software.
 - Performing loop check at both sides as well as control loop optimization.
 - Follow up with drafts team and ensures workshop drawings.
 - Review Design deliverables, work procedures and software specification.
- Co-ordination & reporting:
- Co-ordinate project tasks across team members and communicate with other teams.
 - Produce necessary reports in support of managerial activities.
 - Attend meetings with management, clients and vendors.
- Team leading and development:
- Maintain a productive team and make sure the team is well informed, focused, client oriented and encourage brain storming.
 - Arrange necessary trainings.
- Technical support: Provide technical support for commercial construction teams.

Assigned Projects:

- Lower Fars Heavy Oil Development Program Phase-1 60MBOPD (2018-2019):
 - End User: KOC - PMC: Worley Parsons - Contractor: Petrofac.
 - SAT and Commissioning activities at Bomesc yard China & Kuwait company site.
 - HVAC Control system (AHU, CFU, ACCU).
 - Fire Alarm Control Panels and Associated instruments.
 - HSSD (High sensitivity smoke detection) using VESDA.
- EPC Gas Export Pipeline Badra-Zubaidah (2016, 2017):

- End User: Gazprom Neft Badra B.V. – Iraq, Contractor: Techno Engineering.
- Systems Lead at Cairo Engineering Office.
- Handling of detail design specifications.
- General Arrangement Drawings of all RTU cabinets.
- Preparation of I/O lists, assignment, cable schedule.
- Design of System Architecture/ Junction Box/ Marshalling cabinets.
- Loop drawings, cable routing, Instrument location layouts, Installation Details.
- UPPER ZAKUM 750K PROJECT - UAE (2014-2016):
 - Supply of HVAC Control panels for Driller offices, Local Operator Rooms (2014).
 - End User: ZADCO – UAE, Contractor: HLG, Subcontractor: Bomesc.
 - Handling of detailed design drawings and documentations for all control panels.
 - Design and Implementation of new HMI as per customer standards.
 - Logic Implementation for all PLCs.
 - Factory Acceptance Tests at Karad ware house – Jafza free zone, Dubai.
- ELV Package (SCADA, F&G, PAGA, Telecom, Entertainment System) (2015, 2016):
 - End User: ZADCO – UAE, Contractor: HLG, Subcontractor: Imtech.
 - Preparation of Scope of work and bill of material.
 - Preparation of I/O lists, assignment, cable schedule.
 - Design of System Architecture/ Junction Box/ Marshalling cabinets.
 - Loop drawings, cable routing, Instrument location layouts.
- Supply of HVAC Control panels, Accommodation and Utilities (2016):
 - End User: ZADCO – UAE, Contractor: HLG, Subcontractor: Prekons.
 - Design and Implementation of new HMI as per customer standards.
 - Logic Implementation sequence.
- Islands Surface Facilities Project EPC2, UZ 750K (2015):
 - End User: ZADCO – UAE, Contractor: HLG, Subcontractor: Bomesc.
 - Design and Implementation of cable schedule, Junction Box.
 - Cable routing, Instrument location layouts.
 - Interconnection Termination of all HVAC control Panels in sub-stations.
- AB2 COMPRESSOR PCS SYSTEM (2015):
 - End User: Northern Oil Company - Iraq, Contractor: Quesco, Vendor: Invensys ME.
 - End User witness Senior Engineer for FAT activities in Egypt at Invensys Staging area.
 - DCS Foxboro system (Marshalling & System) Cabinet.
 - Server Cabinet & Work Stations.
- DEDOUBLEMENT COMPRESSEURS GAZ FLASH BP-MP (ROD), (2013):
 - End User: GROUPEMENT SONATRACH-AGIP – Algeria, BRN, PMC: ENI, Contractor: SNC-Lavalin, Vendor: Honeywell.

- Instructor for TPS Operation training course and Maintenance training course for 10 days.
- Commissioning activities (Logic and HMI), establishing communication to third party controllers.
- Start-up and performance test activities for (ROD) new expansion project.
- QAFCO 5 & 6 and Integration site plants (2012):
 - End User: Qatar Fertilizer Company, Contractor: Saipem, Vendor: Honeywell.
 - Commissioning and start-up activities for QAFCO 5 & 6 New Expansion Integration. Implementation of control logic and sequence modification for DCS system using Honeywell C300.
 - Implementation and modifications of HMI graphics for Honeywell Experion PKS.
 - TPS DCS design for existing old system that included logic points modifications and HMI for GUS and US stations.
- Effluent Water Injection Phase-1 and Sea Water Injection Phase-2 (2012):
 - End User: KOC – Kuwait, Contractor: Petrofac, Vendor: Honeywell.
 - Part of team in (a) designing the logic for TPS DCS system for Effluent Water Injection Phase 1 and Seawater injection phase-II GC15 & GC23 site (b) CIPF migration of existing system RS3 Emerson system to C300 Honeywell EPKS.
 - Design and Implementation of new HMI as per customer standards.
 - Developing the required scripts that are required in the graphic displays.
 - Logic Implementation sequence.
 - Handling of detail design specifications.
 - Preparation of I/O assignments.
 - Instructor for Experion PKS Honeywell DCS system and TPS Honeywell DCS.
- Badr / El-Tebbin Pump and Storage Terminal at Badr (2012, 2013):
 - End User: Arabian Oil and Gas Pipelines Company – Egypt, Contractor: Petrojet, Vendor: Honeywell.
 - Part of a team in handling F&G systems design, logic implementation and HMI.
 - Commissioning site activities.

Technical Skills:

- Simplex 4100 FACP.
- Automatic Logic Controller DDC & WebCTRL software.
- InTouch for HMI.
- VESDA system (Xtrail).
- SCD 2200 Schneider RTU.
- Tri-family (Triconex, Trident) Schneider SIS PLC.
- Instruments Installation & Calibration (fire, heat, gas detectors, manual call point, beacons, fire dampers, Temperature, Level, Pressure).
- DIALUX, ETAP for electrical system design.
- Programming using HTML, CSS, C, VB.
- Industrial Communication Protocols (Modbus, Fieldbus, HART, OPC, DNP-3, BACnet).