

Holds a B. Sc. in Electrical Power & Machines Engineering and has about 10 years of experience in designing, programming, testing, installing and troubleshooting in Oil & Gas, Emergency Shutdown system (ESD), Boiler Management System (BMS) and Nuclear Independent Verification and Validation for nuclear refinery and turbine control nuclear power plant.

PERSONAL DATA

Nationality : Egyptian
Gender : Male
Residence : Cairo

EDUCATION

: B. Sc. in Electrical Power & Machines Engineering, Cairo University, 2007

LANGUAGES

Arabic : Native Language
English : Good

COMPUTER SKILLS

: Windows, MS Office, Internet

TRAINING COURSES AND CERTIFICATIONS

- : Tricon TMR Controllers (Installation and Hardware configuration / Programming on TriStation 1131). Certification on course # 8902.
- : TRICONEX Technical Excellence Certification.
- : HMI Wonderware Intouch Graphics Software.
- : Dynamic Data Exchange DDE Server and Protocol.
- : IO Scaling process/ Typical.
- : Handling Cause & Effect / SOE blocks.
- : Software Verification and Validation for Nuclear Power Generating Stations.
- : Rational DOORs – Traceability.
- : Redmine – Automated anomalies tracking tools.
- : Introduction to Nuclear Power.
- : Human Performance Training.
- : Nuclear Procedure – Project & Engineering.
- : Nuclear Safety Conscious Work Environment.
- : Nuclear Safety Culture Survey Training.

- : Apparent Cause Evaluations (ACE).
- : SVDU-Tricon Interface Training.
- : Unity Pro Configuration.
- : Principles of Ethernet Networking.
- : Vijeo Citect/CitectSCADA Configuration.
- : Configuration of Connexium Switches.
- : M580 Configuration.
- : Communicating powerfully by email.

CHRONOLOGICAL EXPERIENCE RECORD

- Dates** : From Dec. 2007 till now
- Employer** : Schneider Electric Egypt
- Job Description** :
- Customer Support Expert (from Dec. 2015 till now):
Achievements:
 - Build the core team to establish the support center for SE Products in EECE Cairo.
 - Be responsible for all Hardware Materials and shipments coming from Carros; dealing with Customs to Handle All Equipment specially with telecommunication ministry to build SE LAB.
 - Handle cases related to Modicon PLCs; M580, M340, Quantum,with Advanced level of cases.
 - Scope has been extended to include Telemetry and SCADA PACKs which was the result of Team commitment and hard work.
 - BFO Gold user to create Monthly Activity Reports
 - Main Point of support to ME and Africa.
 - Main Point of Telemetry cases raised by Indian Advanced Agents.
 - Scope shall be extended to include PES which combines Unity Pro and Vijeo Citect languages in one Platform.
 - Senior Project Engineer:
Projects:
 - HAWIYAH NGL KSA SITE: ESD, Commissioning and Start-up Engineer for Boiler and Compressor Systems (Mar. 2015 – Jun. 2015):
Achievements:
 - Perform loop check and Functional test.
 - Perform the SAT (Site Acceptance Test).
 - Lead the Shutdown Activities for BMS and Compressor shutdown System.
 - Build the Modbus List.
 - Establish the Communication between the Triconex and DCS System.
 - China Nuclear, Reactor Protection System RTS, USA IV&V Nu: Nuclear IV&V Engineer: Responsible of Verification & Validation Activities of Triconex systems used for Nuclear facilities (Feb. 2014 2015 – Jan. 2015):
Achievements:
 - Review Software Requirement Specification (SRS).
 - Review Software Design Description (SDD).
 - Prepare Verification Test cases and Verification test process

- using TS1131 Emulator Test Driver.
 - Prepare Validation test cases and validation test process.
 - Prepare Interface, summary, Management Report.
 - Prepare Test Phase Summary Report.
 - Prepare phase activity summary report.
 - Prepare Code Walkthrough Report.
 - Prepare Regression analysis.
 - Perform SIT for HN1, HN2, FQ1, FQ2, FQ3 and FQ4.
- MOX-Show Areva, USA IV&V Nuclear Engineering: Nuclear IV&V Engineer: Responsible of Verification & Validation Activities of Triconex systems used for Nuclear facilities (Jul. 2011 – Dec. 2013):
Achievements:
 - Review Software Requirement Specification (SRS).
 - Review Software Design Description (SDD).
 - Prepare Verification Test cases and Verification test process using TS1131 Emulator Test Driver.
 - Prepare Validation test cases and validation test process.
 - Prepare Interface, summary, Management Report.
 - Prepare Test Phase Summary Report.
 - Prepare phase activity summary report.
 - Prepare Code Walkthrough Report.
 - Prepare Regression analysis.
 - Perform SIT for NNJ1, KKJ4, NNJ2.
- WB-US-01287/Jacobs-BP Texas City Project, Engineering (Jun. 2010 – Jun. 2011):
Achievements:
 - Logic Implementation and testing.
 - DB Handling.
 - Create FB for TS1131 Project.
 - Create FDS Document.
 - Create FAT and SAT Testing Documents for ALKY#3 and FCCU#3 Systems.
- Jeddah Luberef BMS Upgrade (Saudi Arabia) (Dec. 2009 – Mar. 2010):
Achievements:
 - Perform loop check and Functional test.
 - Perform the SAT (Site Acceptance Test).
 - Lead the Shutdown Activities and replacing the Old Control System to Trident during Shutdown Period.
 - Performing Commissioning and Start for the BMS System.
- AL-BAYRONI BMS Shutdown (Saudi Arabia) (Oct. 2009 – Nov. 2009):
Achievements:
 - Perform loop check and Functional test.
 - Perform the SAT (Site Acceptance Test).
 - Lead the Shutdown Activities and replacing the Old Control System to Trident during Shutdown Period.
 - Performing Commissioning and Start for the BMS System.
- YANBU Petrochemicals Project (YANSAB Site – Saudi Arabia – U&O Plant) (Jun. 2008 – Jul. 2009):
Achievements:
 - Perform the SAT (Site Acceptance Test).

- Perform Loop checks and Functional tests.
- Commissioning and Start-up of Utilities and offshore systems (U&O Plant).
- Build the Communication between F&G systems and HMI Graphics.
- Establish Peer to Peer Communication.
- Establish the Communication between the Triconex and DCS System.
- Establish the SOE Configuration (Sequence of Events recorder) Diagnostics monitor.
- Khurais KCC Project (Dubai) (Apr. 2008 – May 2008):
Achievements:
 - Logic Implementation and testing.
 - DB Handling.
 - Creating FB for TS1131 Project.
 - Creating FDS Document.
 - Creating FAT and SAT Testing Documents.
 - Building the Modbus List.
 - Performing FAT Activities and Function Testing.
 - Creating Mapping list between ESD and DCS System.
 - Establish the Communication between the ESD and DCS System.
 - Lead the Shutdown Activities and replacing the Old Control System to Trident during Shutdown Period.
 - Performing Commissioning and Start for the BMS System.
- Kayan Project, Engineering (Mar. 2008):
Achievements:
 - Logic Implementation and testing
 - DB Handling.
 - Creating FB for TS1131 Project.
 - Creating FDS Document.
 - Creating FAT and SAT Testing Documents.
 - Building the Modbus List.
- OXy Project, Engineering (Apr. 2008):
Achievements:
 - Logic Implementation and testing.
 - DB Handling.
 - Creating FB for TS1131 Project.
 - Creating FDS Document.
 - Creating FAT and SAT Testing Documents.
 - Building the Modbus List.
- Khurais KGS Project (Saudi Arabia) (Jan. 2008 – Feb. 2008):
Achievements:
 - Logic Implementation and testing.
 - DB Handling.
 - Creating FB for TS1131 Project.
 - Creating FDS Document.
 - Creating FAT and SAT Testing Documents.
 - Building the Modbus List.

Field of experience :

- Configure Communication and build Logic Diagram programs using PLCs.
- Prepare function specification documents for BMS, Oil & Gas.

- Write Reports (anomaly report, Task Report and Phase summary Report).
- Perform Installation, Maintenance and Troubleshooting for PLCs Cabinets.
- Review System Requirement Specifications (SRS).
- Review System Design Description (SDD).
- Handle Database and IO List.
- Create Verification and Validation Test Cases for Nuclear Projects.
- Perform FAT and SAT Activities with high performance.
- Perform Commissioning and Start-up for ESD and FGS system.
- Implement PID, C&E diagrams and Narrative function descriptions.
- Establish Communication between ESD and DCS System.
- Perform Independent Verification and Validation IV&V Activities for Nuclear Projects MOX-Show Areva, China Nuclear, and Duke Robinson and harries.
- Develop Automated Verification and Validation Test Cases for FAT and SAT Using Automated Tools (TS1131 ETD and EETD).
- Perform FAT in USA for China Nuclear Project by using different testing aid tools (CAPE system, OPC Kepware Server and Modbus Simulator).
- Solve Expert Level Cases related to Schneider Electric Products; Modicon, Telemetry, Vijeo Citect and Clear Scada.