

Holds a B. Sc. in Electrical Power & Machines Engineering and has over 4 years hands-on experience in technical office and design fields.

PERSONAL DATA

Nationality : Egyptian
Birth Date : 26/03/1989
Gender : Male
Marital Status : Single
Residence : Cairo

EDUCATION

: B. Sc. in Electrical Power & Machines Engineering, Ain Shams University, 2010
: Studying for M. Sc. in Electrical Engineering
: Secondary School: El-Hosaienya School

LANGUAGES

Arabic : Native Language
English : Fluent
German : Good

COMPUTER SKILLS

: Windows, MS Office, Internet
: MS Excel VBA (Visual Basic Application)
: AutoCAD 2D
: Matlab
: Dialux (program for lighting design)
: MS Project
: Programmable Logic Control (PLC)

TRAINING COURSES AND CERTIFICATIONS

: Variable Speed Drives course at ABB Company.
: Account Management course at SIEMENS Company.
: Project Management course at Schneider-Electric Company.
: Business Communication Skills course at House of Management Center.
: Soft Skills course at Zedny Center.

- : Schneider attended courses:
 - Tricon / TriStation 1131 Comprehensive Course.
 - Tricon TMR Controllers "Hardware Configuration".
 - On-job training "Samref Project located in United Arab Emirates".
 - InTouch training course "Wonderware Software".
 - FOXBORO DCS Graduation training course "I/A Series Tools Course".
- : Internships:
 - Intern - SIEMENS (BEST IN CLASS INTERNSHIP), summer 2009:
 - Main stages of Electrical Power Distribution.
 - Different types of Communication Networks.
 - Relays construction and different types of them.
 - System Monitoring and Controlling using SCADA (Supervisory Control and Data Acquisition) system.
 - Visit to "Zaafarana Wind Plant" and other factories.
 - Business Sessions like Project Management and Sales sessions.
 - Intern – PGESCO (Power Generation and Service Company), summer 2009:
 - Successfully completed 20 hours Orientation on Power Stations Systems.
 - Performing the Economic calculations for Cost Optimization.
 - Intern – ABB (Arab) for Low & Medium Voltage, summer 2008:
 - Completed the Training Program on the fields of Breakers, Transformers, Fuses, Equipments testing, Control Equipments, Switches and Low Voltage Distribution.
 - Intern – Ministry of Electricity and Energy, summer 2008:
 - Completed the Training Program on the fields of Electrical Protection and Transformers Stations.
 - Intern – PETROJET (The Petroleum Projects and Technical Consultations Company), summer 2007:
 - Got known with the Welding Equipments.
 - Got known with the Electrical Circuits concerning Equipments.
 - Using "IC tester" and "Avo meter".

CHRONOLOGICAL EXPERIENCE RECORD

- Dates** : From Feb. 2012 till now
- Employer** : Schneider Electric Company
- Job title** : Senior Projects Engineer
- Job Description** :
 - Project Application Engineer – Triconex Dept.:
 - Triconex Hardware:
 - Hardware installation.
 - Hardware design.
 - Network connection.
 - Peer to peer connection.
 - Triconex Software:
 - TriStation TS1131 V4.7, V4.8 & 4.9 programming.
 - Diagnostic monitoring.
 - Enhanced diagnostic monitoring.
 - SOE (Sequence of Events) configuration.
 - Database Manipulation:
 - Database Processing and Presenting.

- Nuclear Power Plants Projects Experience:
 - China Nuclear-HVT (Hardware Verification Test) Team Leader at China Nuclear Power Plants Projects:
 - Performing all the Hardware Pre FAT and FAT activities in Beijing, China for Emergency Shutdown (ESD) Systems and Fire and Gas (FGS) Systems which includes:
 - Supporting the Chinese team in the testing phase (Dry Run testing– Pre FAT – FAT).
 - Managing and Leading the whole test team and assign/coordinate the daily activities to each team member.
 - Continuously Checking and Troubleshooting the Cabinet technical problems and deliver those problems to the Implementation team to resolve it throughout the Testing Process.
 - Downloading the implemented software logic on a software emulator and troubleshooting the download errors.
 - Executing the test Procedure accurately for different systems (Cabinet Power Up, Cabinet Diagnostics, Network Communication, Relays, Timers, Contactors, Sensors, Indication Lamps, Alarms, Input/Output Modules, Isolators and Control Processors).
 - Train and coach team's new joiners on different tasks.
 - Responsible for all Documentation Activities related to the Testing Process which includes:
 - Sending the daily testing reports to the line managers.
 - Reviewing and correcting the project I/O database with reference to the customer input documents.
 - Generating the Delta report between the different project units (Fuqing, Hainan and Fangjiashan) to be implemented in test procedures.
 - Generating Functional Design Specification (FDS) according to the customer input documents.
 - Reviewing the engineering implementation Functional Design Specification (FDS).
 - Prepare technical procedures for different systems (Tricon – Isolators – Priority Logic Modules) cabinets.
 - Preparing and Revising System's Software Requirements Specifications (SRS) and Systems' Software Design Description (SDD) documents using IBM Rational DOORS Software.
- Safety Instrumented Systems (SIS) Projects Experience:
 - Senior Project Application Engineer at Assil & Karam Gas Development Project (6 months):
 - Performing all the Software Engineering Activities which includes:
 - Data Base processing.
 - Matching C&E with the IO database.
 - Make the FDS (Functional Design Specifications) Document.
 - Logic implementation, Diagnostic Program Implementation.

- Make the FAT (Factory Acceptance Test) documents.
- Offline testing and Simulations.
- Performing all the Hardware Pre FAT and FAT activities in (Western Desert near Suez City) for Emergency Shutdown (ESD) Systems and Fire and Gas (FGS) Systems which includes:
 - Visual Inspection for ESD, FGS cabinets, 10 System cabinets and 13 Marshalling Cabinets.
 - Cabinets Power Up and Diagnostic Testing.
 - Testing Network Communication and Peer to Peer Connection.
 - Input/Output Points Checking.
- Project Application Engineer at Linde Novy Urengoy III for HVAC, Gas Warn System (3 months):
 - Performing all the Software Engineering Activities based on the Customer Design Inputs:
 - Cause and Effect Sheets.
 - Control and safety Narratives.
 - I/O Database.
 - Functional Design Specifications.
 - The Software Engineering Activities includes:
 - Data Base processing.
 - Matching C&E with the IO database.
 - Make the FAT documents.
 - Logic implementation, Diagnostic Program Implementation.
 - Offline testing and Simulations.

Dates : From Mar. 2011 till Jan. 2012

Employer : El Sewedy Transformers (Subsidiary of El Sewedy Cables Group)

Project : Designing of Dry Type Transformers for Local Clients

Job title : Electrical Engineer

Job Description :

- Holding several meetings with the consumers to determine the technical specifications required for the "Dry-transformer" to be designed.
- Performing the required steps and calculations for the transformer design "worked on transformers from 50 KVA and up to 10 MVA".
- Preparing the Transformer Presentations materials like TCS "Tendering Cost Sheet" and TDS "Technical Data sheet".
- Monitoring the Manufacturing and Production Processes for the required Transformer.
- Maintaining the MRs "Material Requisitions" and POs "Purchasing orders" sheets using "Maximo" software.

Dates : From Aug. 2010 till Mar. 2011

Employer : Ridge Wood Egypt

Project : Maintenance Projects

Job title : Electrical Engineer

Job Description :

- Responsible for all Documentation about the Electrical Department.
- Setting the plan for Daily Activities.
- Designing the Layout wiring Diagram of Electrical Switchboards.
- Performing the control Diagram according to the Production Requirements.

- Providing the Electrical Panels with Power and Control Cables.
- Supervision for Cables Welding.
- Instrumentation and Calibration for Meters.