

Holds a B. Sc. in Electrical Power & Machines Engineering and has about 5 years hands-on experience working in automation field.

PERSONAL DATA

Nationality : Egyptian
Birth Date : 17/02/1989
Gender : Male
Marital Status : Single
Residence : Cairo

EDUCATION

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

LANGUAGES

Arabic : Native Language
English : Very Good

COMPUTER SKILLS

: Windows, MS Office (Word, Excel, Access, Power Point), Internet
: AutoCAD 2D
: DIALUX 4.5
: Work bench (fro safe)
: Centum vp (DCS program)
: Visio

TRAINING COURSES AND CERTIFICATIONS

: ICDL
: Automatic Control on Electric Machines (Feb. 2010), Industrial Training Center (ITC).
: Basic course of PLC (Siemens step 7), SIMATIC Manager S7 300/400 (level 1) (Sep. 2010), Siemens.
: Advanced Course of PLC (Siemens step 7), SIMATIC Manager S7 300/400 (level 2) (Jun. 2011), Siemens.
: Basic Course of SCADA Systems (HMI), WIN CC Flexible, Indusoft (Aug. 2011), Siemens.
: Basic Course of Microcontroller, C and Basic Language (Dec. 2010), ITC and EL MUTTAHEDA Training Center (MTC).

- : Principles of business management (Diploma).
- : Process control & instrumentation.
- : Power distribution network course: AutoCAD, DIALUX 4.5, lighting (indoor & outdoor), sockets, AC, C.B, Cable sizing, Bus Bar, transformer, ups , diesel generator, feeding system, power factor correction, S.C calculation, V.D cal, Earthing & MCC D.B.
- : Low current: Fire alarm & Telephone system.
- : Summer Trainings at:
 - EGEMAC (Jul. 2011).
 - South Cairo Electricity Distribution Company, El-Sabtia Distributor Station, El-Mokatam Training Center, El-Sewedy Cables Factory (Jul./Aug. 2010).
 - General Authority for Educational Buildings (Sep./Oct. 2009).
 - Gulf of Suez Petroleum Company (GUPCO), DAHSHOUR district Gas Plant (2 weeks, Sep. 2009).
 - Iron and Steel Factory (Aug. 2009).
 - Cairo Electricity Generation Company, WADI HOF gaseous Power Station (Jul. 2009).

CHRONOLOGICAL EXPERIENCE RECORD

- Dates** : From Jan. 2016 till May 2016
- Employer** : In KSA
- Projects** :
 - Client: Saudi ARABIAN BASIC Industries Corporation (SABIC)
 - Client: SAUDI ARABIAN Fertilizer Company (SAFCO)
 - Client: SAUDI KAYAN for Petrochemical Industries Company
 - Client: IBN AL-BAYTAR National Chemical Fertilizer Company (IBB)
 - Client: ALBAYRONI Al-Jubail Fertilizer Company (ALBAYRONI)
- Job title** : Service Engineer

- Dates** : From Nov. 2014 till Dec. 2015
- Employer** : YOKOGAWA
- Project** : Giza North Power Station (3x2250MW) Combined Cycle
- Job title** : DCS System Engineer
- Job Description** :
 - Participate in commissioning process such as:
 - Steam blow.
 - Bypass operation.
 - Combination between steam and gas turbine.
 - Turbine rolling at 3000 rpm.
 - STG synchronization.
 - Turbine load up to max load.
 - Load reject test.
 - Performance guarantee test.
 - Combination between steam and gas turbine.
 - Good knowledge in the process control and operation of combined cycle power plant.
 - Installation, supervision Commissioning SAT Activities like (reviewing of power station processes - database modification - Loop check for all I/O signals in coordination with the different contractors and function check -

implementation of SCR - communication Establishment between YOKOGAWA and other systems using OPC server and MODBUS protocols and Fiber Communication).

- Providing Critical Commissioning Support for various Process Systems Involved in this Plant-Controller Tuning - software download - Information Management System reports creation and modifications to introduce the plant performance and production reports.
- Perform the maintenance jobs required for DCS department regarding: DCS software (forcing, archiving, graphics modifications, variables ranges so on).
- Carry out some materials receiving activities and installation in the site include supervision as configuration and software architecture.
- Capability of working other foreign contractors engineers easily.

Dates : From Mar. 2014 till Oct. 2014

Employer : YOKOGAWA

Project : Delta Fertilizers and Chemical Industries Co. (ASMEDA)

Job title : DCS System Engineer

Job Description :

- Good knowledge in the process control.
- Providing Commissioning Support for various Process Systems Involved in this Plant - Controller Tuning - software download - Information Management System reports creation and modifications to introduce the plant performance and production reports.
- Engineering (Developing Logics for Process Control Systems, based on P&ID, Cause, Effect Matrix Chart, Functional Description and Control Narratives) & network architecture.
- Configuration and programming of DCS including I/O assignment, Control Loops, graphics and networks architecture.
- Create CWP packages including scope of work and drawings, such as loop drawings, installation details, Instrument datasheets, location drawings, wiring drawings, GA/IA, System Architecture, SLD, Internal Wiring, DDS, FDS and heat dissipation calculations based on YOKOGAWA system.
- Pre-commissioning (Preparing Pre-commissioning Documents, System Integration Documents for SAT, Loop Testing Check List for various loops involved in the project).
- Commissioning (System Integration, Controller Tuning, Communication Establishment - Fiber Communication and Providing Critical Commissioning Support for various Process Systems Involved in the project).
- Carry out all site modifications this include add/delete / modify signals to the existing configuration as software architecture.

Dates : For 2 years

Employer : Electro Hydraulic Automation Co.

(One of the biggest companies working in the field of Industrial Control systems in Egypt, it is supplying, programming and installing control systems for production lines using PLC, SCADA)

Projects :

- Water desalination Station at HUGAIR district in SHARQIYA
- External packing line of tetra pak Machine at JUHAINA Factory

- Hydraulic shear machine at PETROJET in sues
 - Thermoforming machine at HAKEEM PLAST Factory
 - Fangbang Machinery at LASHEEN Factory
 - Die casting machinery
 - Plastic Injection Machinery
 - Cutting line machine for steel sheet
 - Flow packing machinery
 - Food furnace at GREAT FOOD factory
 - Poultry feed production line
- Job title** : Project Engineer
- Job Description** :
- Complete design task for automation.
 - Review all documentation on maintenance procedures.
 - Circuit diagram design using CAD software such as AutoCAD.
 - PLC programming and installing of servo and ac drives.
 - Design of MCC.
 - HMI and SCADA tasks.
 - Adjust communication using several protocols between plc (AC or DC VSD), Indicators and temperature controllers like (mod bus - RS 232 - RS 485 - profibus - user defined).
 - Deal with many types of motors like ac, dc and servo motor and their drives.
 - Design and develop machine control software and assist in circuit design for full line automation systems.
- Dates** : For 3 months in 2011
- Employer** : SUN AUTOMATION CO.
(Works in automation and instrumentation field, it is one of the companies' agents for Schneider Electric Co. in Egypt)
- Job Description** :
- Prepared the tendering documents and MCC design.
 - I get good experience at the control of HVAC includes pumps, fans, Damper Actuators, Smoke detectors, smoke transmitters, Water Flow Switches, level sensors, Temp sensors and Valves Actuators.
- Field of experience** :
- I have worked for YOKOGAWA as a DCS System, it covers wide area of business environment including Oil & Gas, Petrochemical, fertilizers industries and power plants manufacturing and utilities in Egypt & Saudi Arabia, where I work and all over the world also. It support service includes design, engineering and implementation of their solutions, where I participated in some projects.
 - Good experience in power plant field ,water treatment station, design of electrical service, metering, switchgear, motor control centers, electrical distribution systems, protection, instrumentation, SCADA, street lighting, maintenance of equipment machinery, industrial plant environment - strong background in automation electrical control, HVAC and strong background for PLC, HMI & VSD SIEMENS and SCHNEIDER.