

Holds a B. Sc. in Industrial Electronics & Automatic Control Engineering and has about 8 years hands-on experience working in I&C field.

PERSONAL DATA

Nationality : Egyptian
Birth Date : 15/08/1987
Gender : Male
Residence : Menoufia

EDUCATION

: B. Sc. in Industrial Electronics & Automatic Control Engineering, Menoufia University, 2009

LANGUAGES

Arabic : Native Language
English : Excellent

COMPUTER SKILLS

: Windows, MS Office, Internet
: AutoCAD Electrical for P&ID Drawing, Schematic
: PLC RSlogix 500, 5000 Software
: PLC Simatic S7 Software
: DCS PCS7 software
: PDM software
: Beamex ® MC6 tools
: PCB software for circuit design and analysis
: BASIC & C- language programming

TRAINING COURSES AND CERTIFICATIONS

: Control valve Types, Selection, Function and Special Applications, Oil & Gas Skills, Cairo (Jan. 2017):

- Control valve as a control loop element.
- Control valve terminology.
- Control valve body& trim: types & styles.
- Valve actuator types & selection guide lines.
- Sizing data, equations & application.
- Flashing, cavitation's & noise.

- : PLC SIMATIC S7(300-400) & Drive Micromaster 420 SIEMENS, Engineering Office for Automation, Suez Steel Company (from Jan. till May 2015):
 - Basic Introduction to PLC.
 - Simatic S7Modular Controller and Simatic Manager Software.
 - Simatic S7Instructions.
 - Simatic S7 Structure Programming.
 - Maintenance and diagnostics.
 - Working with Analog Module.
 - Overview of Communication Networks.
 - Start-up & Parameterization of Drive Micromaster 420.
 - Communication between S7-300 and Micromaster420.
 - Procedure of communication with counter module FM350-1.
 - Complete Project at the end of the course with CPU315-2DP & Micromaster 420 & FM350-1.
- : Instrumentation and Automation Training, Tenova HYL, Mexico (May/Jun. 2012):
 - Pressure, Flow, Temperature and level transmitters.
 - Identify the components and describes the functioning of instruments.
 - Configuration and calibration procedures.
 - Detect and solve the most common failures of the instruments.
 - Weighing system (scale belt & weight feeder) calibration and configuration.
 - Automation system required for process plant.
- : PLC SIMATIC S7(300-400) SIEMENS, Contropro, Cairo (from Dec. 2012 till Jan. 2013):
 - SIMATIC Manager and Hardware configuration.
 - Binary and digital operations.
 - Data storage in data blocks.
 - Function and function block.
 - Data types.
 - Block calls and multiple instances.
- : Operation and instrumentation control loops for DR plant, Tenova HYL, Suez (from Feb. till Jun. 2013):
 - Control loop related to DR plant.
 - DR plant general descriptions zero reforming.
 - Safety factors in DR plant.
- : ICDL certificate.

CHRONOLOGICAL EXPERIENCE RECORD

- Dates** : From Apr. 2016 till now
- Employer** : Khalda Petroleum Company, Joint Venture Company between Egyptian General Petroleum Co-operation (EGPC) and Apache Company
- Project** : Western Desert
- Job title** : I&C Engineer
- Job Description** :
 - Calibration and maintenance for different types of instrument related to Oil & Gas process (ESD valves, ATG system, control valve, Gas blanket system, ...).
 - Programming & Commissioning Allen Bradley PLC RSLogix 500, 5000.

- Working with SCADA system GE Fanuc simplicity with redundancy CPU (90-30).
- Upgrade the Early Production Facilities control system from Pneumatic to PLC control system with HMI.
- Troubleshooting for Fire & Gas system.

Dates : From Sep. 2010 till Apr. 2016

Employer : Suez Steel Company, Suez

Job title : I&C Engineer

Job Description :

- Direct Reduction Plant 1.95 Mton per year (Tenova HYL & DANIELI) Start-up, commissioning and maintenance:
 - Loop checking for all the instrument (Profibus PA, HART) for safety and control instrument.
 - Instrument calibration (pressure transmitter, level transmitter, flow transmitter, temperature transmitter, control valve, pressure control valve and gas analyzer system).
 - Working with DCS system (SIEMENS) for monitoring and modification with PCS 7 software.
 - Working with PDM software for Instrumentation diagnostics and calibration.
 - Function test for control loop according to the safety matrix (cause & effect).
 - Maintenance of processing equipment (MCS, PLCs, Drives, instrumentations weighting system, etc.).
 - Analysis and Reporting: Prepare daily management reports based upon analysis of previous day's activities.
 - Prioritizing and Planning: Study all electrical maintenance requests and prioritizes them in order of importance.
 - Work Planning: Review daily electrical maintenance work orders and classify them into corrective or preventive maintenance categories.
- Melt shop plant project 1.24 Mton per year (DANIELI Automation) Erection, Start-up and commissioning:
 - Check all the electrical equipment which supplied by DAN is matching with the equipment mention in the contract.
 - Instrumentation erection according to hook up drawing.
 - Fault maintenance during start-up.
 - Prepare all the required tests for start-up and commissioning.
 - Erection for all MCS panels, LCS, motors and cables.

Dates : From Oct. 2009 till Sep. 2010

Employer : Nefertiti Company for paper production, 10th of Ramadan

Job title : Electrical Maintenance Engineer

Job Description :

- Control Panel Installation.
- AC drives configuration (Altivar58, LS).
- Faults Maintenance.
- Soft starters programming (Altistar 48).
- Steam plant Installation & commissioning.