

103874-ICX-1CDMOS-E-2007
Senior DCS & Instrument Engineer

Holds a B. Sc. in Electronics Engineering (Computer and Control Systems) and has about 10 years hands-on experience working as Instruments & DCS Engineer.

PERSONAL DATA

Nationality : Egyptian
Birth Date : 14/02/1985
Gender : Male
Marital Status : Married
Residence : Mansoura

EDUCATION

: B. Sc. in Electronics Engineering (Computer and Control Systems),
Mansoura University, 2007

LANGUAGES

Arabic : Native Language
English : Very Good

COMPUTER SKILLS

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

TRAINING COURSES AND CERTIFICATIONS

- : Training session with a practical project in Programmable Logic Controller (PLC) & SCADA at Mansoura University.
- : Training in Kidney Centre in Mansoura on medical devices & network.
- : Training in Talkha Power Station 2x210MW steam turbine.
- : I am certificated in Visual Basic.net (advanced) (from Mar. till Jun. 2005).
- : AutoCAD online course.
- : I am certificated in dealing with PLC from Faculty of Engineering, Mansoura University (from Jan. till Mar. 2007), the course attended:
 - The architecture of control system.
 - Programming using LADDER language (QLD).
 - Programming using Sequential Function Chart Language (SFC).
 - Programming using Function Block Diagram Language (FBD).
 - Programming using Structure Text Language (ST).
 - Design and Programming SCADA system.

CHRONOLOGICAL EXPERIENCE RECORD

Dates : From Oct. 2017 till now
Employer : Mansoura for Resins & Chemical Industries – MRI Egypt (Petrochemicals Company)
Job title : Senior DCS & Instrument Engineer
Job Description :

- Follow up the daily and prevent maintenance with the instrumentation engineers and technicians.
- Doing maintenance & Calibration for all field instrumentation.
- Supervision and solve problems in DCS (ABB Freelance F800 & Emerson Delta V).
- Preparation technical reports for maintenance.
- Train new engineers on DCS system & field instrumentation.
- Prepare documentation for factory expansion.
- Prepare instruments and DCS for new factory expansion.
- Prepare ISO documents.

Dates : From Jan. 2017 till Oct. 2017
Employer : Gravena Egypt & Roca factory for sanitary ware
Job title : Senior Automation Engineer
Job Description :

- Establish private business in field of PLC & Automation in Mansoura City.
- Design and execute new machines & systems that use in production processes using PLC (Schneider - ZELIO SR3 B261BD), (Delta DVP12SA211R) & HMI (Delta DOP-B07S415).
- Execute 4 machines for Roca factory as following:
 - Measurement system for Temperature & Humidity.
 - Demoulde machine.
 - Leak test machine.
 - Back machine.

Dates : From Jan. 2011 till Dec. 2016
Employer : Power Automation Co. (LBP for Emerson Co.)
Job title : Sr. DCS & Instrument Engineer
Job Description : Worked with Emerson in 7 projects all over Egypt, Saudi Arabia & Oman as following:

- El-Kureimat 1 (Egypt) Power Plant migration project - steam turbine 66MW (for Upper Egypt Electricity Production Company):
 - Do construction work by removing old control system (WDPF) and install new DCS control system (ovation).
 - Install & calibrate instruments in field.
 - Make daily meeting with consultant.
 - Doing I/O loop check for all signals (analog and digital signals).
 - Doing HW trouble shooting for all failed signals.
 - Doing Device check (commissioning) for all devices.
 - Doing HW trouble shooting for all devices from the field side.
 - Doing trouble shooting for wrong wiring from the field side as drawing.
 - Solve punch list items.

- Prepare SAT procedure documents.
- Handover the Unit to customer (UEEPC).
- Yanbu 2 (KSA) power & water project steam turbine (3x300MW) & desalination unit "Marafiq Co." working for "Hanwa Co." (Korean Company) (for Marafiq Company):
 - Design and implement Logic Control circuit & graphics.
 - Doing daily meeting with consultant.
 - Doing pulling cables.
 - Install DCS Cabinets.
 - Doing loop test.
 - Doing Device check (commissioning) for all devices.
 - Solve punch list items.
- Rabigh (KSA) Power Plant Stage III unit #6 upgrading project for steam turbine (for Saudi Electricity Company):
 - Remove old control cabinets & Install new DCS system (Ovation system).
 - Doing pulling cables.
 - Doing daily meeting with consultant.
 - Prepare daily and weekly report.
 - Prepare SAT procedure documents.
 - Doing as built drawing.
 - Install & calibrate instruments in field.
 - Prepare an inventory of materials.
 - Doing Io loop check for all signals (analog and digital signals).
 - Doing HW trouble shooting for all failed signals.
 - Doing Device check (commissioning) for all devices.
 - Solve the problem for graphic, logic and data base.
 - Solve the problem for network.
 - Handover the unit to customer (SEC).
- Sur (Oman) Power Plant Project 2000MW combined cycle in Oman "Daewoo Co." (Korean Company):
 - Implement APS (Automatic Plant Start-up and Shutdown) logic and graphics for Sur Power Plant 2000MW combined cycle (5 Gas turbines and 3 steam turbines).
 - Test APS with online unite and handed over to customer.
 - Prepare APS protocols and signed with customer.
 - Review the logic diagrams and corrected them.
- Al Qurayyat (KSA) Power Plant migration project - 2 Gas turbines (for Saudi Electricity Company):
 - Do construction work by removing old control system and install new DCS control system (ovation).
 - Install & calibrate instruments in field.
 - Doing HW trouble shooting for all failed signals.
 - Doing pulling cables.
 - Doing daily meeting with consultant.
 - Doing Io loop check for all signals (analog and digital signals).
 - Prepare daily and weekly report.
 - Doing as built drawing.
 - Prepare an inventory of materials.

- Prepare the Data base for all devices and prepare the Protocols for all devices.
- Doing Device check (commissioning) for all devices.
- Doing HW trouble shooting for all devices from the field side.
- Doing trouble shooting for wrong wiring from the field side as drawing.
- Solve the problem for graphic, logic and data base.
- Prepare SAT procedure documents.
- Solve the problem for network.
- Solve and clear punch list items.
- Handover the unit to customer (SEC).
- Al Jouf (KSA) Power Plant migration project - 7 Gas turbines (for Saudi Electricity Company):
 - Do construction work - remove old control system and install new DCS control system (ovation system).
 - Install & calibrate instruments in field.
 - Prepare the Data base for the Io loop check.
 - Doing daily meeting with consultant.
 - Doing Io loop check for all signals (analog and digital signals).
 - Doing pulling cables.
 - Prepare daily and weekly report.
 - Prepare SAT procedure documents.
 - Doing as built drawing.
 - Prepare an inventory of materials.
 - Doing HW trouble shooting for all failed signals.
 - Prepare the Data base for all devices and prepare the Protocols for all devices.
 - Doing Device check (commissioning) for all devices.
 - Doing HW trouble shooting for all devices from the field side.
 - Doing trouble shooting for wrong wiring from the field side as drawing.
 - Solve and clear punch list items.
 - Solve the problem for graphic, logic and data base.
 - Solve the problem for network.
- Al Arish (Egypt) Power Plant steam turbine 2x66MW upgrading project (for East Delta Electricity Production Company):
 - Do installation work by removing old control system (WDPF) and install new DCS control system (ovation).
 - Doing pulling cables.
 - Doing Io loop check for all signals (analog and digital signals).
 - Install & calibrate instruments in field.
 - Prepare daily and weekly report.
 - Doing as built drawing.
 - Prepare an inventory of materials.
 - Doing HW trouble shooting for all failed signals.
 - Doing Device check (commissioning) for all devices.
 - Doing HW trouble shooting for all devices from the field side.
 - Handover the unit to customer (EDEPC).

Dates : From Feb. 2009 till Dec. 2010
Employer : Kahromika
Project : New Talkha Power Station 750MW Combined Cycle Project
Job title : Electrical Project Engineer
Job Description :

- Install DCS Cabinets.
- Doing pulling cables.
- Doing HW trouble shooting for all failed signals.
- Doing Device check (commissioning) for all devices.
- Doing HW trouble shooting for all devices from the field side.