

# 103172-ICX-12CMOST-E-2006

## Senior Instruments & DCS Engineer

Holds a B. Sc. in Electronics Engineering (Computer & Systems) and has over 10 years hands-on experience working in I&C field.

### PERSONAL DATA

Nationality : Egyptian  
Birth Date : 20/02/1984  
Gender : Male  
Residence : Currently KSA

### EDUCATION

: B. Sc. in Electronics Engineering (Computer & Systems), Mansoura University, 2006

### LANGUAGES

Arabic : Native Language  
English : Excellent

### COMPUTER SKILLS

: Windows, MS Office, Internet

### TRAINING COURSES AND CERTIFICATIONS

- : Mark Vie Introduction, intermediate and advanced course in GE Company (from Dec. 2014 till Apr. 2015).
- : Maintenance and Operation DCS training SIEMENS SPPA-T3000 Gas Turbine control system in Siemens Co. (May/Jun. 2015).
- : DCS full course training in EMERSON Company Ovation control system Version 3.0.4 (Dec. 2008).
- : Basic of Control and Instruments with Skoda Praha Czech Company (Jan. 2008).
- : Certificated in Visual Basic from the Scientific Computer Center of Mansoura University (24 hours) (Jul./Aug. 2002).
- : Certificated for another level in Visual Basic (advanced) from the Scientific Computer Center of Mansoura University (Jun./Jul. 2003).
- : Certificated in Programming JAVA from Software Engineering Unit of the Faculty of Engineering, Mansoura University (Aug./Sep. 2004).
- : Certificated in dealing with Microcontrollers from Faculty of Engineering, Mansoura University, in 2005 (24 hours):
  - The architecture of Microprocessor system.
  - Programming MICROCHIP PIC16F876A.
  - Design and implement the Electronic boards.

- : Certificated in dealing with PLC from Faculty of Engineering, Mansoura University, in 2005 (24 hours):
  - 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 May 2013 till now
- Employer** : Saudi Electricity Company (SEC)
- Project** : Qurayat Power Plant in Saudi Arabia  
(GE Mark VI-e frame 7, SIEMENS SPPA-T3000 (SGT6-2000E)) gas turbines
- Job title** : Senior Instruments & DCS Engineer
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- Dates** : From Sep. 2011 till May 2013
- Employer** : Saudi Service for Electromechanical Company (SSEM)
- Project** : Qurayat SIEMENS Gas Power Plant Station 140MW in Saudi Arabia  
(2 SIEMENS Gas Turbines SPPA-T3000 (GT#10, GT#11))
- Job title** : Senior I&C Testing, Commissioning, Operation & Start-up Engineer
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- Dates** : From Jan. 2011 till Jun. 2011
- Project** : Old Rafha Power Plant (MAK & VAASA Diesel Turbines Ovation DCS control system Upgrade Project) in Saudi Arabia (EMERSON Company)
- Job title** : Senior I&C Testing & Commissioning Engineer
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- Dates** : From Mar. 2010 till Jan. 2011
- Project** : Old Talkha 210MW Steam Power Plant in Egypt (EMERSON Company)  
(Front of Turbine Ovation DCS control system Upgrade Project)
- Job title** : I&C Testing & Commissioning Engineer
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- Dates** : From Jan. 2008 till Feb. 2010
- Project** : Talkha Power Plant 750MW Combined Cycle Egypt  
(SKODA PRAHA Czech Company) (2 SIEMENS Gas Turbines + 2 HRSG + 1 ALSTOM Steam Turbine)
- Job title** : I&C Testing, Commissioning & Start-up Engineer
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- Dates** : From Nov. 2006 till Jan. 2008
- Project** : El-Kureimat II Power Plant 750MW Combined Cycle in Egypt  
(EMERSON Company) (2 Siemens Gas Turbines 500MW + 2 HRSG + one 250MW HITACHI Steam Turbine)
- Job title** : I&C Testing, Commissioning & Start-up Engineer

- Field of experience :**
- I&C Testing and Commissioning Engineer on different control systems as GE Mark VI-e frame7, Siemens DCS Control system SPPA-T3000, Controller (SIMATIC-S7) in Gas Turbine (EMERSON DCS – Ovation control system – Controller OCR-400) in HRSG Combined Cycle PP.
  - Responsible DCS Engineer (modify control logic and graphic HMI) SPPA-T3000 SIEMENS control system, Ovation V 3.0.4 EMERSON control system.
  - Implement the required logic for all switchgear (LV, MV) interlocks and signaling indication (ABB SWGR).
  - SAS (GIS-Substation Automation System) OPC (DA) Server/Client configuration application Engineering for all DCS signals.
  - Responsible to carry out the repair, maintenance and calibration work of all types of Field instruments such as Pressure, Level, Flow and Flow Transmitters, level Gauge Switches, Control Actuators, Hydraulic, Pneumatic Motorized Control Valves.
  - Assist the Senior Project Engineer in the discipline of work and commissioning activities of the New Combined Cycle Project.
  - Witness of Instruments Construction Work.
  - Witness of I&C Official Test and review logic and control systems.
  - Witness of I&C Construction of PLC & DCS Controller and review its Logic.
  - Be sure about that the construction is done according to the specifications.
  - Review the inspection test plan for project items.
  - Participated in testing and commissioning of GTG & STG & HRSG.
  - Routine maintenance, calibration, repair the field instruments pressure, temperature, level, flow and limits (switches and transmitters) local, pneumatic, Controllers, pneumatic, positional, converters and solenoid valve.
  - Maintenance of valves (electrical & pneumatic).
  - Check the electrical signals, signal wiring and connections.
  - Maintenance and troubleshooting the process control units of gas turbines.
  - Repairing the electronic cards and change components.