

**106926-ICX-1CMOS-E-2007**  
**I&C Engineer / Plant Control Systems Administrator**

Holds a B. Sc. in Electronics & Communication Engineering and has over 13 years hands-on experience, including 10 years working as I&C Engineer at Al-Shabab Power Plant.

## PERSONAL DATA

Nationality : Egyptian  
Birth Date : 31/07/1985  
Gender : Male  
Residence : Ismailia

## EDUCATION

: B. Sc. in Electronics & Communication Engineering, El-Obour High Institute for Engineering & Technology, 2007

## LANGUAGES

Arabic : Native Language  
English : Good

## COMPUTER SKILLS

: Windows, MS Office, Internet

## TRAINING COURSES AND CERTIFICATIONS

- : Distributed Control System Maintenance - Foxboro EVO v6.0, Schneider Electric, Milan - Italy (Jul. 2017).
- : STG ACC AUX Harmony Maintenance Training - Basic engineering system Introduction and engineering overview, ABB University Training Center, Genova - Italy (May 2017).
- : Operation training course on steam turbine - generator - excitation - air cooled condenser bypass - transformers and generator C.B, Ansaldo Training Center, Al-Shabab (Nov./Dec. 2017).
- : Mark VIe controls maintenance, Energy Learning Center, Al-Shabab (2 weeks in Apr. 2011).
- : GE Mark VIE at El-Shabab 1500MW Power Plant.

## CHRONOLOGICAL EXPERIENCE RECORD

**Dates** : From Jan. 2011 till now  
**Employer** : MINISTRY OF ELECTRICITY AND ENERGY  
**Project** : AL-SHABAB POWER PLANT 1500MW

- Job title(s)** : I&C Engineer / Plant Control Systems Administrator
- Job Description** :
- Project Phase 1:
    - Follow up the Calibration and Installation of instruments and mark IVE control system for General Electric Model GE 9E / 8x125MW Gas turbine.
    - Function test for Mark VIe control system of General Electric Model GE 9E / 8x125MW Gas turbine.
    - Lube test for Mark VIe control system of General Electric Model GE 9E / 8x125MW Gas turbines.
    - Commissioning and start-up for:
      - ❖ General Electric Model GE 9E / 8x125MW Gas turbines (Standard burners) / MKVIe control system.
      - ❖ Siemens SIMATIC / Substation Control system (GIS).
    - Prepare project status report by collecting, analyzing and summarizing information and trends; recommending actions.
    - Update job knowledge by studying Engineering development tools, programming techniques, and computing equipment, participating in educational opportunities, reading professional publications, maintaining personal networks and participating in professional organizations.
  - DLN upgrade and CI:
    - Commissioning and start-up for: General Electric Model GE 9E / 8x125MW Gas turbines (DLN burners) / MKVIe control system.
    - Verified and updated junction box wiring diagrams.
    - Maintained cross-wiring details between marshaling racks and Mark VIe control cards.
  - Project Phase 2 (Combined Cycle):
    - Manage the contract package of the CP-105, which include the DCS and HRSG technical specifications.
    - Manage the contract package of the CP-106, which include the turbine control system and the air cooled condenser technical specifications.
    - Develop, implement and review contracts, make sure that best practices are applied on any given project, and to make all the revisions available to all the the parties involved in the project.
    - Capable of preparing the inquiries with proper technical specifications as per the tender and understanding of quotations with respect to contractual requirement.
    - Calibration, function test, lube test, commissioning and start-up for:
      - ❖ Two steam turbines 250MW by Ansaldo Energia and their auxiliaries.
      - ❖ Symphony plus Harmony (HPC800) control system by ABB.
      - ❖ Schneider Electric for Foxboro EVO V6.0 DCS.
      - ❖ Eight HRSG by AC Boilers.
      - ❖ Two Air cooled condensers.
      - ❖ Connection between the GE mark VIe and the HRSG control system Foxboro EVO V6.0.
      - ❖ 12 feed water pumps.
      - ❖ 6 condensate pumps.
      - ❖ 4 vacuum pumps.
      - ❖ Steam control valves for HP and LP turbines of tow modules.

- ❖ Bypass system of two modules.
- Power Plant Routine work:
  - Designing maintenance strategies, procedures and methods.
  - Carrying out routine scheduled maintenance work and responding to equipment and control systems faults.
  - Diagnosing breakdown problems.
  - Writing maintenance strategies to help with installation and commissioning guidelines.
  - Controlling maintenance tools, stores and equipment.
  - Ensuring there is continuous cover of the machinery and equipment in case of breakdowns.
  - Write and publish technical reports and articles.
  - Develop control system solutions by studying information needs, studying systems flow, data usage and work processes, investigating problem areas, following the software development lifecycle.
  - Maintenance of the turbines control system (Mark VIe) and the instrument devices.

**Employer** : Holding Company for Water Supply and Sewerage  
**Project** : Sewage Treatment Plant in Abo Sultan – Ismailia  
**Job title** : Electrical Engineer  
**Job Description** :
 

- Operating and maintenance the electrical network.
- Operating and maintenance the plant control system.
- Ensuring there is continuous cover of the machinery and equipment in case of breakdowns.

**Dates** : From Apr. 2008 till Oct. 2010  
**Employer** : Air Defense Forces - Egyptian Army  
**Project** : Military Service  
**Job title** : Engineer Officer  
**Job Description** : Operating and maintenance tracking radar for anti-aircraft rockets plant.

**Field of experience** :
 

- Participate in tendering management as DCS and turbines control systems contract administrator for Al-Shabab Power Plant Combined Cycle 1500MW.
- Perform CI, HGPI and major inspection for GE frame 9E.
- Commissioning and start-up GE gas turbines frame 9E with Mark VIe control system.
- I&C Maintenance Engineer at EL-SHABAB CCPP.
- Develop Control-system solutions by studying information needs, systems flow, data usage, and system processes, investigating problem areas, following the software development lifecycle and insure continuance operation and Hot gas path and major outages activities.
- Commissioning and start-up HRSG with EVO Foxboro V6 DCS.
- Commissioning and start-up Ansaldo steam turbines with ABB symphony harmony plus DCS.
- Commissioning and start-up for Siemens S7 PLC.
- Skills:

- GE Turbine Mark Vle toolbox.
- GE Turbine Graphic Design program (Cim Viewer).
- ABB Symphony Harmony +S control system.
- Invensys Foxboro EVO v6.0 control system.
- Siemens SICAM PAS CC.
- Siemens WIN CC.
- Schneider Electric Unity Pro.