

**104102-ICX-1CMOQS-E-2006**  
**I&C QA/QC & Commissioning Engineer**

Holds a B. Sc. in Mechanical Engineering (Mechatronics section) and a Diploma in Steam Power Plant. Has about 13 years hands-on experience working in I&C field.

## PERSONAL DATA

Nationality : Egyptian  
Birth Date : 29/07/1984  
Gender : Male  
Marital Status : Married  
Residence : Cairo

## EDUCATION

: B. Sc. in Mechanical Engineering (Mechatronics section), Higher Technological Institute (H.T.I), 10th of Ramadan City, 2006  
: Diploma in Steam Power Plant, Cairo University, 2012

## LANGUAGES

Arabic : Native Language  
English : Fluent

## COMPUTER SKILLS

: Windows, MS Office, Internet

## TRAINING COURSES AND CERTIFICATIONS

: One month training on Yokogawa DCS system (CENTUM VP Fundamental, Engineering, Maintenance and start-up training) in Yokogawa Middle East & Africa Training Center in BAHRAIN (May/Jun. 2010).  
: PLC (Programmable Logic Control) "SIEMENS-S7" (Dec. 2018).  
: ABB (S-SH-MNT DCS & DCS Maintenance course for I&C) (Jan. 2014).  
: T.M.P. Operation & Maintenance Course for Centrifugal Pumps (Jul./Aug. 2011).  
: Initec Calibration Training Course for (Yokogawa transmitter, Cella Pressure Switch, Vega Flex Level transmitter, Pressure and Temperature Indicator) (Jul. 2011).  
: Chpero Fire Fighting System Maintenance Course (Jun./Jul. 2011).  
: Ingersoll Rand Operation & Maintenance Course for Air Compressor & Air Dryer (Jun. 2011).  
: GE (Bentley Nevada 3500 vibration monitoring system) Operation and Maintenance Training Course (Nov. 2010).

- : Bechtel Course in Shoubra El-Kheima Power plant Training Center, Basic and Site Specifics Training Courses, Constituting a program of concentrated study of power plant equipment (from Oct. 2007 till Jan. 2008).

## CHRONOLOGICAL EXPERIENCE RECORD

- Dates** : From Dec. 2016 till now
- Employer** : Cairo Electricity Production Company (CEPC)
- Project** : 6th October Combined Cycle Conversion Project (340MW), Phase 3
- Job title** : I&C QA/QC & Commissioning Engineer
- Job Description** : Responsible for follow up installation progress according to engineering drawings and safety instructions, and testing, calibration and commissioning for all field instruments with loop check with DCS and make function test for the following systems:
  - Steam Turbines and Auxiliaries by (Ansaldo Energia).
  - Air Cooled Condenser "ACC" by (SPIG).
  - DCS Control System "Ovation system 3.6.0 - OW360\_90" by (Emerson).
  - HP & LP Feed Water Pumps by (T.M.P).
  - Fire Fighting System by (SANCO S.P.A).

- Dates** : From Apr. 2014 till Nov. 2016
- Employer** : Ansaldo Energia
- Project** : 6th October Extension Project Power Plant (4x150MW), Phase 2
- Job title** : E&I QA/QC Supervisor Engineer
- Job Description** : Responsible for QA/QC, installation, calibration and commissioning the following systems:
  - Gas Turbine and Auxiliaries System by (Ansaldo Energia).
  - DCS Control System "Symphony Harmony S+" by (ABB).
  - Demi Water Production System by (Sespi) with PLC "SIEMENS-S7-CPU314".
  - Fire Fighting System by (SANCO S.P.A).
  - Air Compressor System by (Ingersoll Rand).

- Dates** : From Dec. 2013 till Apr. 2014
- Employer** : Cairo Electricity Production Company (CEPC)
- Project** : 6th October Extension Project Power Plant (4x150MW), Phase 2
- Job title** : I&C QA/QC & Commissioning Engineer
- Job Description** : Responsible for review all submittals from the contractors and subcontractors to compare with the contract, and check all received material and follow up installation progress according to engineering drawings and safety instructions for most systems.

- Dates** : From Oct. 2011 till Dec. 2013
- Employer** : Cairo Electricity Production Company (CEPC)
- Project** : 6th October Project Power Plant (4x150MW) Gas Turbines, Phase 1
- Job title** : I&C Start-up, Commissioning & Maintenance Engineer

**Job Description** : 

- Responsible for review all submittals from the contractors and subcontractors to compare with the contract, and check all received material and Follow-up installation progress according to engineering drawings and safety instructions, and testing, calibration and commissioning for all field instruments with loop check with DCS and make function test for most systems.
- Responsible for maintenance all instruments and control systems after finish the project.
- Warranty maintenance, replacement the seal ring for last stage fixed blades in gas turbine.
- Minor maintenance for all units.

**Dates** : From Jun. 2007 till Oct. 2011

**Employer** : Cairo Electricity Production Company (CEPC)

**Project** : Cairo West Extension Project Power Plant (2x350MW)

**Job title** : I&C Start-up, Commissioning & Maintenance Engineer

**Job Description** : 

- Responsible for review all submittals from the contractors and subcontractors to compare with the contract, and check all received material and Follow-up installation progress according to engineering drawings and safety instructions, and testing, calibration and commissioning for all field instruments with loop check with DCS and make function test for the following systems:
  - Steam Turbines and Auxiliaries System by (Mitsubishi).
  - Boilers and BMS "HIACS7000M" by (Hitachi).
  - DCS Control System "Centum CS3000" by (Yokogawa).
  - HP & LP Feed Water Pumps by (T.M.P).
  - Water Treatment System by (Metito) with PLC "SIEMENS-S7-CPU425".
  - Plant Auxiliaries "Electrical, Mechanical and Instrumentation Installations" by (Initec).
- Responsible for maintenance all instruments and control systems after finish the project.

**Dates** : From Sep. 2006 till Jun. 2007

**Employer** : Higher Technological Institute (H.T.I), 10th of Ramadan City

**Job title** : Teaching Assistant

**Job Description** : Responsible for teaching the following:

- Robotics applications, Automation, research and development.
- Sensor applications, Micro-Controller Programming, PLC Programming, Circuit Design, Layout, Printing Circuit Board (PCB) and Bread Board.
- Hydraulic system, Pneumatic system and its applications.

**Field of experience** : 

- Review all submittals from the contractors and the subcontractors.
- Follow up installation progress and check all activities at site according to engineering drawings.
- Check all received materials on site to ensure their correct manufacturing, model, type and Contract Correspondence.
- Prepare and keep the documentation of the daily progress report.
- Testing and Calibration of all field instruments pre- and post installation

including Loop check with DCS Control System:

- Field transmitters (Siemens, Yokogawa, Rosemount, Honeywell, Emerson and ABB).
- Instruments (Pressure,  $\Delta P$ , Level, flow meter and temperature).
- Vibration monitors systems (Bently Nevada T-3500, Vibrometer).
- Switches (Thermo, Pressure, Proximity and Limit).
- Hart Communicators (375, 475).
- Actuators Valves:
  - ❖ Electrical Valve (Auma).
  - ❖ Hydraulic Valve (Vavitalia).
  - ❖ Pneumatic Valve (Fisher, Servovalve, Valbia).
- Functional, sequential and control loop & logic commission test for most systems.
- Fire Fighting System commissioning, test and maintenance (Notifier, simplex, Chpero, SANCO S.P.A).
- Other Job-related Skills:
  - Leadership (currently responsible for a team of 12 engineers, 5 technicians and 2 workers).
  - Perform predictive maintenance, planned and scheduled.
  - Network troubleshooting and maintenance.
  - Good command of quality control processes.