

# 102089-ICX-1456CMQS-E-2016

## I&C Commissioning & Maintenance Engineer

Holds a B. Sc. in Mechatronics Engineering and has over 5 years experience working in managing operations, maintenance, commissioning, quality control, testing and inspection of electrical and instruments installation and equipments.

### PERSONAL DATA

Nationality : Egyptian  
Gender : Male

### EDUCATION

: B. Sc. in Mechatronics Engineering, Minia University, 2016

### LANGUAGES

Arabic : Native Language  
English : Good

### COMPUTER SKILLS

: Windows, MS Office, Internet

### TRAINING COURSES AND CERTIFICATIONS

- : Schneider (Foxboro) DCS software and hardware.
- : Mitsubishi - Hitachi steam turbine and its control system (DIASYS Netmation) DCS.
- : Siemens PLC S7 (300, 400, 1500), Simatic Manager and TIA PORTAL Software.
- : Instrumentation Training by ELSEWEDY ELECTRIC (PSP).
- : Boiler Training by AC BOILERS (ANSALDO CALDAIE).
- : BOP & Ruather hydraulic oil system for hydraulic valves Training.
- : Industrial Robots Arm Operator at Mechatronics labs of the faculty (Feb. 2015).
- : PLC basic in JELECOM (Oct. 2014).

### CHRONOLOGICAL EXPERIENCE RECORD

**Dates** : From Mar. 2020 till now  
**Employer** : Upper Egypt Electricity Production Company  
**Project** : South Helwan Supercritical Power Plant 3x650MW:

- Three supercritical boilers (Benson) 650MW GAS & OIL FIRED supplied

by AC BOILERS.

- Three steam turbines 650MW (HP, IP, LP stages) supplied by MITSUBISHI.
- Distributed control system (DCS/BMS/BPS) supplied by SHEINDER ELECTRIC.

**Job title** : I&C Commissioning & Maintenance Engineer  
**Job Description** : Leading the instrumentation team during a major outage for Mitsubishi - Hitachi steam turbine Inspection and responsible for instrumentation works during that inspection.

**Dates** : From Jul. 2019 till Feb. 2020  
**Employer** : HAC (HASSAN ALLAM Company)  
**Project** : R05 New Capital

**Job title** : Electrical Site Engineer  
**Job Description** :

- Following and supervision on subcontractor's progress.
- Installation of Electrical panels (RMU, mainboards, sub-panels, ...etc.).
- Delivering electrical works to the consultant engineer.

**Dates** : From Feb. 2019 till Jul. 2019  
**Employer** : HAC (HASSAN ALLAM Company)  
**Project** : Ismailia Stadium developing

**Job title** : Electrical Site Engineer  
**Job Description** :

- Following and supervision on subcontractor's progress.
- Installation of Electrical panels (RMU, mainboards, sub-panels, ...etc.).
- Delivering electrical works to the consultant engineer.

**Dates** : From Aug. 2018 till Feb. 2019  
**Employer** : HAC (HASSAN ALLAM Company)  
**Project** : Fertilizes Complex at Sokhna

**Job title** : I&C QC Engineer  
**Job Description** :

- Preparing and reviewing Quality Plan during the construction.
- Preparing and reviewing all method of statements for all equipment (dynamic & static).
- Construction supervision on-site activates for power plants including providing redesign solutions for the field problems or changes.
- Witnessing all field tests including hydro test, all HVAC tests, and Solo tests. Verifying that the documentation generated by the inspections, tests, and surveys meets the requirements of the Project Quality plan & procedures.
- Ensure availability of test equipment requirements and their updated calibration.

**Dates** : From Mar. 2017 till Aug. 2018  
**Employer** : CCC Jv HAC  
**Project** : Fertilizes Complex at Sokhna

**Job title** : I&C QC Engineer  
**Job Description** :

- Preparing and reviewing Quality Plan during the construction.

- Preparing and reviewing all method of statements for all equipment (dynamic & static).
- Construction supervision on-site activates for power plants including providing redesign solutions for the field problems or changes.
- Witnessing all field tests including hydro test, all HVAC tests, and Solo tests. Verifying that the documentation generated by the inspections, tests, and surveys meets the requirements of the Project Quality plan & procedures.
- Ensure availability of test equipment requirements and their updated calibration.

- Field of experience :**
- DCS function block diagram test for DCS (Foxboro).
  - Working on Siemens T3000 DCS.
  - Working and have been trained on Mitsubishi - Hitachi steam turbine and its control system (DIASYS Netmation) TCS.
  - Testing and Calibration of all field instruments pre- and post Commissioning including loop check with (Foxboro) DCS Control Systems.
  - Working and familiar with vibration monitoring system (Bently Nevada 3500).
  - All instruments: (Installations, Commissioning, Loop check with Foxboro).
  - Calibration of all types of instruments (pressure transmitters and switches, flow transmitters, level transmitters and switches, all types of thermocouples and RTD).
  - Testing and calibration of all instruments for water treatment system.
  - Calibration of all types of actuators (electrical (auma - Elfor), Pneumatic (Siemens – Foxboro – ABB)).
  - Working on all types of instrument calibration tools.