

**103597-CSX-1MSx-E-2006**  
**I&C Maintenance & Commissioning Engineer**

Holds a B. Sc. in Electronics & Electrical Communication Engineering and a Diploma in electrical installation. Has over 10 years hands-on experience working in I&C field.

## PERSONAL DATA

Nationality : Egyptian  
Birth Date : 31/08/1984  
Gender : Male  
Marital Status : Married  
Residence : Giza, Cairo

## EDUCATION

- : B. Sc. in Electronics & Electrical Communication Engineering, Menoufia University, 2006
- : Diploma in electrical installation, Helwan University, 2014

## LANGUAGES

Arabic : Native Language  
English : Very Good

## COMPUTER SKILLS

- : Windows, MS Office, Internet

## TRAINING COURSES AND CERTIFICATIONS

- : Training course on STEAM TURBINE OPERATION TRAINING CENTER MANNHEIM GERMANY for ALSTOM steam turbine (Jan./Feb. 2010).
- : Training on steam turbine (Turbine Process On-shore Training Course for the maintenance personnel).
- : Training on Maintenance of Debris Filter system (DF) & Condenser On Load Tube Cleaning system (COLTCS).
- : Training on Maintenance of the Hitachi CM Condenser.
- : Training on Maintenance of Condenser Exhauster Vacuum Pump Units & Water box Priming Units.
- : Training on Maintenance of (Protection for Transformer).
- : Training on Maintenance of (DC & UPS System).
- : Training on Maintenance of Combined Cycle unit.
- : Maintenance Training of CMI SKODA HRSG.
- : Ovation OV010 Maintenance course from EMERSON COMPANY.

: Maintenance training of Hitachi steam turbine & Auxiliaries.

## CHRONOLOGICAL EXPERIENCE RECORD

**Employer** : HothoData GmbH  
**Project** : Al Burullus Site  
**Job title** : I&C Maintenance & Commissioning Engineer

**Employer** : [EGYPTROL](#), GE Energy Subcontractor  
**Project** : Gerga Site  
**Job title** : I&C Maintenance & Commissioning Engineer  
**Job Description** : I have good experience in GE Gas Turbine TM2500 in the following systems:

- Dual fuel system with water injection system.
- Ventilation and combustion air system.
- Hydraulic start system.
- Turbine lube oil system.
- Gen. lube oil system.
- Off-Line water wash system.
- Instrumentation auxiliary system.
- Vibration monitoring system.
- Fire protection and gas detection system.
- Low voltage AC & DC system.
- SENS battery charger.

**Employer** : Alghanim International General Trading & Contracting, Kuwait  
**Job title** : I&C Maintenance & Commissioning Engineer

**Employer** : Upper Egypt Electricity Production Company  
**Project** : El-Kureimat Power Station  
**Job Description** :

- Start-up & operation all auxiliary system (service water, closed cooling water, circulating water, compressed air ...etc.).
- I&C Maintenance & Commissioning Engineer of Gas Turbine GE 9FA at El-Kureimat Combined Cycle module III (750MW) (2 gas turbines GE 9FA & 2 CMI HRSG and 1 steam turbine ALSTOM).
- I&C Maintenance & Commissioning Engineer of CMI HRSG boilers and cleaning of pipes by steam blow at El-Kureimat Combined Cycle module II (750MW) (2 gas turbines V94.3A & 2 CMI HRSG and 1 steam turbine HITACHI).
- I&C Maintenance & Commissioning Engineer for Auxiliaries such as circulating water system, closed cooling, service water system, condensate system, feed water pumps (high pressure, low pressure), tube cleaning system, debris filter, condenser vacuum pump, water box vacuum pump, lube oil system & hydraulic oil system at El-Kureimat Combined Cycle module II (750MW) (2 gas turbines V94.3A & 2 CMI HRSG and 1 steam turbine Hitachi).
- DCS I&C Maintenance Engineer at El-Kureimat Combined Cycle module II (750MW) (2 gas turbines V94.3A & 2 CMI HRSG and 1 steam turbine HITACHI).

- Field of experience :**
- I&C Maintenance and Commissioning Engineer in Siemens Gas Turbine V94.3A & SGT5-4000F in the following experience fields:
    - Maintenance and fault recovery for Automation control system (TELEPERM XP AS 620B & T3000) software and its hardware components such as (power supply cards, CPU, interface modules and input/output cards).
    - Maintenance and fault recovery for Fail safe control system (AG 95F) software and its hardware components such as (power supply cards, CPU, interface modules and input/output cards).
    - Maintenance and fault recovery for GOVERNER system (AS 620T) software and its hardware components such as (power supply cards, CPU, interface modules and input/output cards).
    - Major and minor inspection for the gas turbine.
    - Hot gas path inspection.
    - Gas turbine tuning and optimization.
    - Troubleshooting of control system problems.
    - Calibration of the field devices transmitters, switches, gages .....etc.
    - Calibration of all field instruments and testing, installation of all turbine supervisory instruments (TSI) (Vibration probes and proximity transducers, Speed sensors, ...).
    - Fault analysis using the OM 650 display facilities.
    - Fuel gas commissioning and maintenance.
    - Fuel oil commissioning and maintenance.
    - Lube oil commissioning and maintenance.
    - Hydraulic clearance optimization (HCO) system commissioning and maintenance.
    - Hydraulic System commissioning and maintenance.
    - Evaporative cooler (EC) system commissioning and maintenance.
    - Wet compression (WC) system commissioning and maintenance.
    - Nox water system commissioning and maintenance.
    - Pneumatic system commissioning and maintenance.
    - Instrument & service air system commissioning and maintenance.
    - Closed cooling & Service water system commissioning and maintenance.
    - Fault analysis using the OM 650 display facilities.
    - Gas detection system, fire alarm system and fire fighting system.
    - Atlas Copco gas compressors.
    - Siemens gas compressors.
  - I&C Maintenance & Commissioning Engineer in Alstom & Hitachi STG in the following experience fields:
    - Calibration of all instruments in field (pressure transmitters & switches - level transmitters & Switches - thermocouples - RTDs - flow transmitters & Switches).
    - Commissioning and maintenance for debris filter and condenser tube cleaning system.
    - Commissioning and maintenance of the service and instrument air compressors (COMPAIR).
    - Commissioning and maintenance for auxiliary system such as circulating water pump, service water pump, closed cooling water pump and condensate water pump.
    - Commissioning and maintenance for vacuum system.
    - Commissioning and maintenance for lub. oil & hydraulic system.

- Commissioning and maintenance for HP bypass & IP bypass.
- Commissioning & maintenance for HP/IP & LP feed water system.