

104183-CSX-14CMSx-E-2003
Instrument Maintenance Engineer

Holds a B. Sc. in Electronics & Electrical Communication Engineering and has about 20 years' experience working in I&C field.

PERSONAL DATA

Nationality : Egyptian
Birth Date : 07/07/1981
Gender : Male
Marital Status : Married
Residence : Currently Iraq

EDUCATION

: B. Sc. in Electronics & Electrical Communication Engineering, Menoufia University, 2003

LANGUAGES

Arabic : Native Language
English : Good

COMPUTER SKILLS

: Windows, MS Office (Word, Excel, etc.), Internet
: AutoCAD

TRAINING COURSES AND CERTIFICATIONS

- : Shoubra El-Kheima power plant basics and site specifics training courses constituting program of concentrated study of power plant equipment and system theory and application (from Jan. till Mar. 2009).
- : Static feed system for generator unit in Cairo West Power Station.
- : INITEC Energies as Instrument Construction, Comm. & Start-up Engineer in Cairo West Power Station (2x350MW) gas oil fired project in Egypt (during the period between May 2009 and 2011).
- : MHI Mitsubishi Heavy Industries Ltd completed the maintenance training course for Cairo West Thermal Power Plant units 7 & 8 (2x350MW) gas/oil fired in the site under direction of Nagasaki shipyard & machinery works the training course covered the following topics:
 - Loop test for instruments.
 - Instrument calibration (PT, PS, PI, TI, TE, LS).
 - Turbine bay pass maintenance.
 - Adjustment of control valve.
 - Motor valve.

- EMS, OPS, ACS Maintenance.
 - Troubleshooting for pc and mps.
 - Mps hardwire installation.
 - Diasys system.
 - Preventive maintenance for PC and MPS.
- : Yokogawa Middle East B.S.C Bahrain the course of training on CS3000 (May/Jun. 2010): CS3000 MAINTENANCE.
- : GE Energy OC (Bentley Nevada) is training course 3500 operation and maintenance.
- : Ingersoll Rand industrial technologies maintenance and operation training course of compressors & dryers for models centac cv1-c33 mx2, sierra sm110 and coes air dryer hl220.v.pk.
- : TARNOS training course for operation and maintenance of travelling water screen and trash rake.
- : IBERFLUID Instruments completed course on hach ultra – polymetron ultra-pure water analyzers sentry sample conditioning and analysis panel.
- : Chepro Group OHL complete training course on firefighting systems maintenance covered the following topics:
- Fire pumps operation.
 - Deluge and sprinkler system operation.
 - Foam and cooling system operation.
 - Fm200 and co2 gas system operation.
 - Fire detection system operation.
- : BARTEC Safe.t Academy product training on electrical heat tracing covered these topics:
- Basic concepts of heat tracing applications.
 - Methods of heat tracing.
 - Types of electrical heating.
 - Heat tracing system – component.
 - Design of electrical heating.
 - Installation & operation.
- : T.M.P. SPA Termomeccanica pompe complete training on centrifugal pumps – theory operation & maintenance.
- : INITIC Energy complete training course in all field instruments such as:
- Yokogawa transmitter (PT – LT – FT).
 - Cella pressure switch.
 - Vega flex level transmitter.
 - A.T.C control thermo couple.
 - Andres & Hauser ultrasonic level transmitter.
 - Conductivity level switch.
 - AWIA pressure diff indicator switch.
 - Pressure & temperature indicator.
- : Spirare Energy complete training in the maintenance and operation course of hydrogen plant
- : Peco Facet aclarcor company complete training in drain tank and fuel gas separation operation and maintenance.

CHRONOLOGICAL EXPERIENCE RECORD

Dates : From Nov. 2020 till now
Employer : ENI & ZFOD

Project : EMC IRAQ EXTERNAL
Job title : Instrument Maintenance Engineer
Job Description :

- Solar Gas Turbine instrument & control (calibration, commissioning, troubleshooting).
- Det-Tronics Fire and Gas Safety System.
- Allen Bradley PLC (Rs Logix 5000) Maintenance.
- Murphy control system maintenances, troubleshooting.
- Waukesha Gas Engine (calibration, troubleshooting).
- ARIEL CORPORATION Gas Compressors.
- Emerson delta-v DCS control system.

Dates : From Jan. 2019 till Apr. 2020
Employer : GS
Project : ERC Refinery Project
Job title : Instrument Team Leader
Job Description :

- Perform all PM & CM for all field transmitters (pressure – level – flow – temp).
- Perform all PM & CM FOR all control valves (fisher – CCI – Foxboro).
- Calibrate all types of field instruments (transmitters – valve positioners).
- Perform all PM & CM FOR motorized valves (rotork – auma).
- Troubleshooting all problems between field instruments and DCS.
- Prepare all work permits and reports for all daily works.
- Feed pumps steam turbine control system (all field instruments, Bentley Nevada 3500).

Dates : From Jul. 2018 till Sep. 2018 (part time)
Employer : Target Engineering
Project : Zohr Field Development Project
Job title : Instrument Engineer
Job Description :

- Perform all commissioning works for fire & gas system.
- Perform all commissioning works for field instruments with DCS control system.
- DCS Eng. for YOKOGAWA Centum3000 CS (reviews and force logic for all controlled equipment's, trends, graphics and alarms).
- GE Premiere solutions (PAC Systems RX3i, RX7i) PLC installation & maintenances.

Dates : From Aug. 2017 till Nov. 2017
Employer : [EGYPTROL](http://www.egyptrol.com), SIEMENS AG Subcontractor
Project : Burullus CCPP 4800MW
Job title : Instrument Engineer
Job Description :

- Siemens ST7 400 PLC programing (ladder, graphics, alarms, network checking).
- Perform all commissioning works in the following system in Siemens STG – 8000.
- Generator seal oil system.
- Seal oil cooler.
- Generator cooler system.

- Hydraulic oil system.

Dates : From Mar. 2016 til Jan. 2019
Project : Cairo West Extension Project 1E Supercritical (650MW)
Job title : Senior Instrument Engineer
Job Description :

- Study all specifications of all project tender packages.
- Review all revisions of steam turbine package.
- Evaluate all bidders' presents for each package specially Steam turbine.
- Pre-award negotiations.
- Follow-up all construction works (boiler – steam turbine).
- Review all technical documents for steam turbine (Doosan) (data sheets, layout drawings, P&ID, Hookup, connection list, wiring diagrams).

Dates : From Mar. 2011 till Mar. 2016
Project : Cairo West Power Plant units 7 & 8
Job title : Senior Instrument Engineer
Job Description :

- DCS Eng. for (DIASYS NETMATION FOR MITSUBISHI STEAM TURBINE).
- DCS Eng. for YOKOGAWA Centum3000 CS (reviews and modifies and force logic for all controlled equipment's, trends, graphics and alarms).
- Siemens ST7 300 & 200 PLC programing (ladder, graphics, alarms, network checking).
- Perform all PM & CM for all transmitters (pressure – diff pressure – flow – temp).
- Perform all PM & CM for all control valves.
- Perform all PM & CM for all shut off valves (PNEUMATIC, electrical).
- Perform all PM & CM for ANNUAL maintenance for turbine and boiler instruments.
- Perform all PM & CM for MHI Mitsubishi turbine (350MW) field instruments for (Lubrication oil system - Vacuum system - Cooling water system - Steam seal system - Bypass system - Drain system - Debris filter & tube clean system - Turbine supervisory system Gland Steam System - Jacking oil pumps).
- Perform all PM & CM for VIBRATION monitoring system for steam turbine MHI.
- Trouble shooting for steam turbine control system Dayi system and field.

Dates : From Oct. 2015 till Feb. 2016 (part time)
Employer : Pemco Company
Project : SHOAIBA POWER PLANT (SAUDI ARABIA)
Job title : Instrument Engineer
Job Description :

- Annual maintenance for 1 steam turbine (Alstom).
- Annual maintenance for 4 boilers (400MW).
- BMS over all maintenance.
- Calibrate all field instruments (transmitters – control valves – pneumatic actuators).

Dates : From 2012 till Nov. 2021 (part time)
Employer : ZFOD IRAQ
Job title : Instrument Instructor Engineer
Job Description :

- Solar Gas Turbine instrument & control (calibration, troubleshooting).
- Waukesha Gas Engine instruments (calibration, troubleshooting).
- ARIEL CORPORATION Gas Compressors instruments.

Dates : From Jul. 2008 till Mar. 2011
Project : Cairo West Power Plant units 7 & 8
Job title : Instrument Engineer
Job Description :

- Follow up all installation works for all CONTRACTORS.
- Follow-up all installation works for all contractors.
- Follow-up all commissioning works.
- Follow up start-up.
- Commissioning for MHI Mitsubishi turbine control SYSTEM (loop test for instruments, Daisys system, EMS, OPS, ACS maintenance, BYPASS system, motor valve and control valve).
- MHI Mitsubishi turbine start-up.
- Commissioning and start-up of GE Gas Turbine Frame (5 & 7F) Gas turbines and perform the required periodic, corrective, preventive and predictive maintenance.
- Maintain & check all steam turbine instruments during remove upper casing with MHI Mitsubishi.

Dates : From Jul. 2006 till Jul. 2008
Employer : Arab Contractors Egypt
Job title : Electrical Engineer
Job Description :

- Perform all operation works for all water station.
- Perform all maintenance work for all water station.

Employer : AFAQ ELNAJAH Training Center, KSA
Job title : Instrument Instructor Engineer
Job Description :

- Control valves (operation & maintenance & troubleshooting).
- Flow measurements principles.
- Level measurements principles.
- Smart transmitters.
- Vibration monitoring systems (Bentley Nevada systems).

Dates : For 2 months
Employer : Saline Water Conversion Corporation (SAUDI ARABIA) (SWCC)
Job title : Instrument Instructor Engineer in Al Gobail Training Center
Job Description : Field Instruments training course.

Field of experience :

- About 20 years of experience in instrumentation & control Power Plant projects, Refinery project (TAKRIR).
- In depth knowledge in instruments energy / Power Plant, Refinery projects design, construction, commissioning, maintenance.

- Experienced in field instruments calibration, installation, commissioning and start-up.
- Experienced Trainer in Power Plant in Egypt and in Saudi Arabia.
- Experienced in troubleshooting Steam Turbine problems between field instruments and DCS.