

105871-ICX-14CMSi-E-2010
Automation & Instrumentation PMC Engineer

Holds a B. Sc. in Electronics & Communications Engineering and has over 12 years experience working in I&C field.

PERSONAL DATA

Nationality : Egyptian
Birth Date : 17/06/1988
Gender : Male
Marital Status : Married
Residence : Alexandria

EDUCATION

: B. Sc. in Electronics & Communications Engineering, Alexandria Higher Institute of Engineering and Technology, 2010

LANGUAGES

Arabic : Native Language
English : Very Good

COMPUTER SKILLS

: Windows, MS Office, Internet

TRAINING COURSES AND CERTIFICATIONS

: SIEMENS training of substation control system (SCS) of ABU QIR 500KV GIS.
: SIEMENS training of GIS 500KV substation in the execution phase.
: SIEMENS training of protection & telecommunication system of 500KV GIS.
: Hydraulic circuits at Faculty of Engineering - Alexandria University.
: ABB training of DCS systems.

CHRONOLOGICAL EXPERIENCE RECORD

Dates : From Sep. 2021 till now
Employer : WOOD
Project : MIDOR OIL & GAS REFINERY EXPANSION Project, Alexandria
Job title : Automation & Instrumentation PMC Engineer
Job Description :

- Automation & Instrumentation Consultant.
- Project planning and management.

- QA & QC.
- Witness all instruments loop check activities.
- Witness all Function Test, Cause and Effect activities.
- Witness SAT activities for ESD, DCS, BMS, FGS and PLC.
- Witness the construction and commissioning activities.
- Perform System Mechanical Completion Walk through.
- Check System Redness for Start-up.
- Raise punches, NCR and Observations.
- Follow and audit the QCP.
- Witness and review RFI, QCF, MCC.
- Preparing Daily, Weekly and Monthly Reports.
- Verify project progress.
- Familiar with Easyplant and Techniplnet systems.
- Follow HSE roles.

Dates : From Mar. 2021 till Sep. 2021
Employer : EPROM
Project : MIDOR OIL & GAS REFINERY EXPANSION Project, Alexandria
Job title : Senior I&C Engineer
Job Description :

- Responsible to prepare and finish the pre-shutdown activities for new expansion equipment's.
- ESD MIGRATION TO HI QUAD X (HIMA).
- Control network migration.
- DCS Honeywell Experion PKS expansion.
- SAT Activities for new ESD & DCS (HIMA, Honeywell).
- Commissioning the system cabinet and ESD.
- Loop check and function check.
- Create punch list.
- Daily reports and progress monitoring.

Dates : From Feb. 2019 till Jan. 2020
Employer : Elsewedy PSP
Project : Assiut 650MW Supercritical Power Plant
Job title : I&C Engineer
Job Description :

- Responsible for instruments and control valves installation.
- Commissioning, loop check and start-up.
- Instruments and valves calibration.
- Daily reports and progress monitoring.
- Emails, letters and communication between site, head office and suppliers.

Dates : From Jul. 2017 till Feb. 2019
Employer : [EGYPTROL](http://www.egyptrol.com), AC Boilers Subcontractor
Project : South Helwan 3x650MW Supercritical Power Plant
Job title : I&C Commissioning Engineer
Job Description :

- Responsible for instruments and control valves installation.
- Commissioning, loop check and start-up.
- Logic diagram and function test for BMS (BOILER MANAGEMENT

SYSTEM).

- Instruments and valves calibration.
- Commissioning, loop check and function test for DESP & ASH HANDLING SYSTEM PLC Allen Bradley logix 5000.
- Installing and commissioning the boiler gas detection and firefighting system Hochiki system.
- Responsible for TOP and coordination between departments, contractors, owner and consultant.
- Monitoring progress and schedule.
- Responsible for make plans to achieve our targets.

Dates : From Mar. 2013 till Jun. 2017
Employer : West Delta Electricity Production Company (WDEPC)
Project : ABU QIR New Thermal Power Plant 2x650MW
Job title : I&C Maintenance Engineer
Job Description :

- Maintenance Engineer for control systems and the field instruments in the following:
 - Steam turbine and generator 650MW.
 - Water treatment.
 - Desalination unit.
 - Steam Boiler.
 - Main turbine pumps.
- Control Systems:
 - Event, alarms, historian management and data analysis.
 - Good handling with Control systems, CPU's, IO Cards and programming for different systems:
 - ❖ ABB 800 XA DCS.
 - ❖ SIEMENS SCS.
 - ❖ ALLEN BRADLEY PLC.
 - ❖ WOODWARD 505.
- Instrumentation:
 - Good handling with Pneumatic - Hydraulic (valves) of different Manufacturers (ABB, fisher, Siemens, STI, ...etc.).
 - Instruments calibration.
 - Fire and gas troubleshooting.

Dates : From Feb. 2011 till Mar. 2013
Employer : West Delta Electricity Production Company (WDEPC)
Project : ABU QIR New Thermal Power Plant 2x650MW
Job title : I&C Engineer
Job Description :

- Worked as the owner of the project to follow I&C construction, commissioning and start-up with contractors (ABB, SULZER, SIEMENS, ANSALDO).
- Review contracts and follow it at installation.
- Review the engineering drawing and documents.
- Commissioning, loop check and start-up activates.
- Instrumentation and control system (DCS, PLC) construction activates.
- Review contractors reporting, correspondence letters, MRR, TOP, NCR, CDDR and RFI.
- Create and edit the logic diagram for BOP.

Skills:

- SIS (ESD, BMS, FGS) HIMA HIGH QAUD X & HIMA HI MAX.
- SIS hardware inspection, FAT, SAT, loop checks, start-up and commissioning.
- PCS (DCS, PLC).
- Cause and Effect diagrams, system block diagrams, logic narratives, and function / logic block diagrams.
- DCS control schemes HW+SW.
- HONEYWELL DCS commissioning and loop check.
- ABB DCS 800XA commissioning and loop check.
- Prepare logic and SAMA diagrams for plant.
- Design of ABB DCS graphic displays.
- Process tuning.
- Testing and commissioning of switchyard (500KV) monitoring system.
- Testing and commissioning of switchgear (6KV) monitoring and control system.
- Aware with Bentley Nevada System 3500.
- Steam Turbine control system of Siemens WOW 505.
- Calibration and maintenance of various types of field instruments (pressure, differential pressure, flow, level, temperature, etc.).
- Stroking and calibration of control valves (Hydraulic and Pneumatic).