

102625-ICX-14CQsx-E-2001

Lead Instrument QA/QC Engineer

Holds a B. Sc. in Communication & Electronics Engineering and has about 21 years hands-on experience working as an Instrumentation Engineer in Construction, QA/QC, Pre-commissioning & Commissioning and Engineering includes Detailing, Site Supervision, Inspection & Testing, Technical Support and Coordination (provides and directs the technical services functions on-site & resolves job site technical issues encountered during execution of the project). Preparing the required documents. Ensuring full compliance with all relevant world Class Standard and Quality Procedures for the Execution of the successful completion of the Projects with HSE Procedures even the Project is under pressure and short deadline time as the Client requirement. Focused primarily for projects of Oil and Gas, Petrochemicals and Power Station Duties (Greenfield and Brownfield).

PERSONAL DATA

Nationality : Egyptian
Birth Date : 17/12/1979
Gender : Male
Marital Status : Married
Residence : El-Behira

EDUCATION

: B. Sc. in Communication & Electronics Engineering, Alexandria University, 2001

LANGUAGES

Arabic : Native Language
English : Very Good

COMPUTER SKILLS

: Windows, MS Office (Word, Access, Excel, Power Point), Internet
: AutoCAD, Smart Plant Viewer, Pspice, Naviswork
: C#, ARDUINO

TRAINING COURSES AND CERTIFICATIONS

: PLC 7-200 & SCADA & BASIC CONTROL.

CHRONOLOGICAL EXPERIENCE RECORD

Dates : From Jan. 2020 till now
Employer : TECHNIP ENERGIES

Project : MIDDLE EAST OIL REFINERY(MIDOR) EXPANSION, Alexandria
Job title : Lead Instrument QA/QC Engineer

Dates : From Apr. 2014 till Feb. 2019
Employer : GS E&C
Project : Egypt Refinery Company (ERC) Project – Mostorod – Egypt
Job title : Senior Instrument Engineer
Job Description :

- Review all the documents and drawings for the project.
- Review the submitted documents which send by the subcontractor to be approved.
- Ensure the effectiveness of the contractor's quality system and the total implementation of the relevant quality control procedures, inspection and test plan (ITP).
- Provide Technical Support to the Contractor.
- Ensure that all allocated responsibilities are dealt with in accordance with agreed procedures & standards.
- Coordination between vendors to at chive the scope of work and method of statements.
- Good implement the project health, safety and environmental requirements like; Permit to Work System (PTW), Confined spaces, Safety site instructions of (Excavation, Electrical, Working on height, Hot works, lifting works...etc.).
- Ensure the most current design/Engineering document is used to complete the work and that all design changes are approved prior to implementation.
- Ensure that required design/Engineering information is available to the contractor when needed.
- Reporting progress and issues of concern to Planning, Engineering & Management and propose solutions.
- Attending daily & weekly construction & coordination meetings with the Client Sub-Contractors and vendors.
- Safety site instructions of (Excavation, Electrical, Working on height, Hot works, lifting works...etc.).
- Supervision for Installation all kinds for instrumentation, Fire & Gas Devices, Local Panel installation, Cable Tray, Conduit Pipe, Cable Laying, cable connection, Inspection, Punch List.
- Ensure that project discipline engineering activities are executed within budget and schedule, while maintaining technical integrity.
- Control and Lead PLWD.

Dates : From Aug. 2010 till Jan. 2014
Employer : Enppi (Engineering for the Petroleum & Process Industries)
Projects :

- PETROBEL New Land Oil Treatment Train Project – Abou Rdies S. Sinai – EGYPT
- Maximization of C2 & C3 from WDGC and LPG Plant Project – Elamria – EGYPT
- West Delta Deep Marine Phase VII Main Compression Project – Edko, El-Behira – EGYPT

Job title : Lead Instrument Engineer

- Job Description** :
- Represent the client.
 - Lead instrumentation team on the project.
 - Ensure the effectiveness of the contractor's quality system and the total implementation of the relevant quality control procedures, inspection and test plan (ITP).
 - Approval of defined quality documents and records submitted at site.
 - Provide Technical Support to the Contractor.
 - Ensure that all allocated responsibilities are dealt with in accordance with agreed procedures & standards.
 - Coordination between vendors to achieve the scope of work and method of statements.
 - Witness the instrument calibration and checks.
 - Inspecting electrical and instrumentation, producing check lists, punch lists and signing green light for commissioning.
 - Punch list follow up and finalization attitude.
 - Review of the final issue of P&ID's from point of view of commissioning and start-up, issuing of P&ID's modification according with project standards and regulations.
 - Supervision the pre-commissioning & commissioning activities.
 - Witnessing and acceptance of loop checking and function testing of different system and sub-systems.
 - Check and Review the material receiving.
 - Ensuring that the work is conducted in a safe and timely manner, maintaining Quality, reporting violations and issuing Watch Observations Cards (WOC) to control and eliminate Hazards, encouraging Pre-Job Tool Box Talks and ensuring safe executions of all activities through the application of the work permit procedure.
 - Good implement the project health, safety and environmental requirements like; Permit to Work System (PTW), Confined spaces, Safety site instructions of (Excavation, Electrical, Working on height, Hot works, lifting works...etc.).
 - Ensure the most current design/Engineering document is used to complete the work and that all design changes are approved prior to implementation.
 - Ensure that required design/Engineering information is available to the contractor when needed.
 - Reporting progress and issues of concern to Planning, Engineering & Management and propose solutions.
 - Attending daily & weekly construction & coordination meetings with the Client Sub-Contractors and vendors.
 - Safety site instructions of (Excavation, Electrical, Working on height, Hot works, lifting works...etc.).

- Dates** : From Mar. 2009 till Aug. 2010
- Employer** : TOSHIBA Plant Systems & Services Co.
- Project** : EL-ATF POWER STATOIN 750MW Combined Cycle Project – Mahmoudia, EI-Behira – EGYPT
- Job title** : Lead I&C Engineer
- Job Description** : Responsible of instrumentation construction and inspection activities for Electrical package CP-117 & Mechanical package CP-118 for the following:
- Lead instrumentation team on the project.

- Supervision for Installation all kinds for instrumentation, Fire & Gas Devices, Local Panel installation, Cable Tray, Conduit Pipe, Cable Laying, cable connection, Inspection, Punch List.
- Ensure that project discipline engineering activities are executed within budget and schedule, while maintaining technical integrity.
- Ensure the effectiveness of the contractor's quality system and the total implementation of the relevant quality control procedures, inspection and test plan supervision and monitor the processes to eliminate causes of unsatisfactory performance in order to achieve project objectives.
- Reporting progress and issues of concern to Planning, Engineering & Management and propose solutions.
- Attending daily & weekly construction & coordination meetings with the Client Sub-Contractors and vendors.
- Ensuring that the work is conducted in a safe and timely manner, maintaining Quality, reporting violations and issuing Watch Observations Cards (WOC) to control and eliminate Hazards, encouraging Pre-Job Tool Box Talks and ensuring safe executions of all activities through the application of the work permit procedure.
- Good implement the project health, safety and environmental requirements like; Permit to Work System (PTW), Confined spaces, Safety site instructions of (Excavation, Electrical, Working on height, Hot works, lifting works...etc.).
- Approval of defined quality documents and records submitted at site.
- Establish a working relationship and lines of communication with contractors.
- Ensure that Construction is as per relevant codes, specifications, procedures and schedule.
- Making the necessary drawings if request.
- Provide and direct the technical services functions on-site & Resolve job site technical issues encountered during execution of the project.
- Prepare estimates and schedules and assist in their review.
- Installation of flushing part for fisher control valve.
- Supervision for Installation Fire Alarm System.
- Supervision for the Vendor Programming for Fire Alarm System.
- Making the commissioning for Fire Alarm System.
- Preparing turn over package documents.
- Witness the instrument calibration.
- Review all the As-Built Drawings.
- Carry out work in accordance with the client's and project Healthy, Safety, Environmental and Quality systems.
- Supervision the Pre-commissioning & commissioning activities.

Dates : From Oct. 2008 till Mar. 2009

Employer : TECHINT
(supplied by Enppi (Engineering for the Petroleum & Process Industries))

Project : EMETHANEX Project – Damietta – EGYPT

Job title : Senior Instrument Engineer

Job Description :

- Review the main cable tray drawings and make the necessary modification if required for construction.
- Prepare secondary cable tray drawings.
- Review all the documents and drawings and make the necessary

modification if required for construction.

- Provide and direct the technical services functions on-site & resolve job site technical issues encountered during execution of the project.
- Attending daily & weekly construction & coordination meetings with the Client Sub-Contractors and vendors.
- Good implement the project health, safety and environmental requirements like Permit to Work System (PTW), Confined spaces, Safety site instructions of (Excavation, Electrical, Working on height, Hot works, lifting works...etc.).

Dates : From Jun. 2008 till Oct. 2008
Employer : Enppi (Engineering for the Petroleum & Process Industries)
Project : 24" Pipeline Qasr Elsalam Project – Khalda, West Desert – EGYPT
Job title : Senior Instrument Engineer
Job Description : Responsible of instrumentation construction and inspection activities for the following:

- Check, Review and Approve for Installation all kinds for instrumentation, Hookup, J.Box, Local Panel installation, Cable Tray, Conduit Pipe, Cable Laying, cable connection.
- Check, review and approve for Installation all kinds for Gas Detectors, Fire Control Panel, Mimic Panel, Cable Laying, and Cable Connection.
- Reporting progress and issues of concern to Planning, Engineering & Management and propose solutions.
- Attending daily & weekly construction & coordination meetings with the Client Sub-Contractors and vendors.
- Check, review and approve for Installation DCS & ESD Marshling, and Fire & Gas Cabinet, Cable Laying, Cable Connection.
- Check, review and approve for Fiber Optic Cable Splicing and Testing.
- Review and approve the calibration procedure of the installation team/subcontractor(s) in accordance with the project calibration requirements and check the adequacy of the calibration site lab facilities.
- Witness the instrument calibration and checks.
- Check and review for Block Valve Testing, Inspection.
- Check and review the material receiving.
- Preparation / Review of Punch lists.
- Review all the As-Built Drawings.
- Good implement the project health, safety and environmental requirements like Permit to Work System (PTW), Confined spaces, Safety site instructions of (Excavation, Electrical, Working on height, Hot works, lifting works...etc.).

Dates : From Mar. 2008 till May 2008
Employer : BP (British Petroleum)
Project : Saqara Oil & Gas Plant Project – Ras Shuqir, Red Sea – EGYPT
Job title : Instrumentation Engineer
Job Description : Responsible of commissioning activities, Loop checking - Functional checking Testing.

Dates : From Jul. 2006 till Feb. 2008
Employer : CCC (Consolidated Contractors Company)
Project : KGP (Khursanya Gas Project) – Saudi Arabia
Job title : Senior Instrument Engineer
Job Description : Responsible for Field and Bench Calibration (Smart and Foundation Field Bus transmitters):

- Establish and prepare the calibration laboratory and the valve work shop.
- Preparation of qualified technicians for calibration.
- Supervision the calibration for:
 - Pressure & Pressure Differential Transmitters (Yokogawa & Rosemount).
 - Flow Transmitter (Yokogawa & Rosemount).
 - Level Transmitter (Yokogawa).
 - Level Transmitter Displacer Type (Fisher).
 - Level Transmitter Radar Type (Magnetrol).
 - Temperature Transmitter (Yokogawa & ABB).
 - Pressure & Temp. Gauges (Wika & Ashcroft).
 - Digital Pressure & Temp. and Level Indicators (Yokogawa & Bika).
 - ON-OFF Valve (Fisher & Masoneilan).
 - Control Valve (Fisher & Masoneilan).
 - Pressure & Temp. and Level Switch (Beta & Delta & Magnetrol).

Dates : From Sep. 2005 till Jul. 2006
Employer : ABB AUTOMATION
Project : ALEX. FERT. (Abu Qir IV) Project – Subcontractor for UHDE – Alexandria – EGYPT
Job title : Instrument Field Engineer
Job Description : Responsible of electrical and instrumentation construction activities for the following:

- Installation all kinds for instrumentation, Hookup, J.Box, Local Panel installation, Cable Tray, Conduit Pipe, Cable Laying, cable connection, Punch List.
- Installation all kinds for Gas Detectors, Fire Control Panel, Mimic Panel, Cable Laying, Cable Connection, Punch List.
- Installation DCS & ESD Marshling, C.I Cabinet, Operator Consol, Telecommunication Cabinet and Fire & Gas Cabinet, Cable Laying, Cable Connection, Punch List.
- Installation of Air Tubing for Control Valves.
- Prepare As-Built Construction Drawings.
- Good implement the project health, safety and environmental requirements like Permit to Work System (PTW), Confined spaces, Safety site instructions of (Excavation, Electrical, Working on height, Hot works, lifting works...etc.).

Dates : From Mar. 2005 till Jul. 2005
Employer : DELTA GAS Co.
Job title : Instrument Engineer
Job Description :

- Responsible for reviewing all Instrument erection according to P&ID and Hook up.
- Making the required As-Built.

Dates : From May 2003 till Dec. 2004
Employer : DLC (KBR Halliburton, JGC and Tecnicas Reunidas JV)
Project : Damietta LNG Project
Job title : Instrument Field Engineer
Job Description : Responsible of instrumentation construction activities for the following:

- Supervision for Installation all kinds for instrumentation, Hookup, J.Box, Local Panel installation, Cable Tray, Conduit Pipe, Cable Laying, cable connection, Inspection, Punch List.
- Supervision for Installation all kinds for Gas Detectors, Fire Control Panel, Mimic Panel, Cable Laying, Cable Connection, Inspection, Punch List.
- Supervision for Installation DCS & ESD Marshling, C.I Cabinet, Operator Consol, Telecommunication Cabinet and Fire & Gas Cabinet, Cable Laying, Cable Connection, Inspection, Punch List.
- Supervision for Fiber Optic Cable Welding and Testing, Inspection, Punch List.
- Supervision for Installation Public Address System, Telephone System, CCTV System, and General Site access Control System, Inspection, Punch List.
- Good implement the project health, safety and environmental requirements like Permit to Work System (PTW), Confined spaces, Safety site instructions of (Excavation, Electrical, Working on height, Hot works, lifting works...etc.).

Dates : From Jul. 2001 till Dec. 2001
Employer : FIRST FOR GENERAL CONTRACTORS
Project : Exporting Asphalt and Soft Fax Project, El-Amria - Alex
Job title : Instrument Field Engineer
Job Description : Responsible of electrical and instrumentation construction activities for the following:

- Installation all kinds for instrumentation, Hookup, J.Box, Local Panel installation, Cable Tray, Cable Laying, cable connection.
- Installation all kinds for Gas Detectors, Fire Control Panel, Cable Laying, Cable Connection & Gas Cabinet, Cable Laying, Cable Connection, Clear Punch List.

Field of experience :

- Ability to lead site team of Engineers, QA/QC inspectors, Technicians, Supervisors, Foreman, Material controllers and Logistics Team effectively.
- Create accurate material estimates from field measure to the production of an MTO ready for purchase.
- Able to help and support the Engineering Department by generate the Hook-up, instrument location layout, cable tray layout, etc.
- Awareness of project quality requirements to construction activities.
- Assisting Project QA/QC Manager to conduct PQP, Quality Control Procedures (QCPs) and ITPs.
- Ensure the effectiveness of the contractor's quality system and the total implementation of the relevant quality control procedures, inspection test plan (ITP).

- Familiar with the international standards related to the E&I work.
- Conducting the material receiving inspection.
- Initiating any non-conformity discovered during the test / inspection.
- Organizing site inspection and testing activities, reviewing and issuing site NCRs to the responsible parties and monitoring the execution of corrective actions.
- Collecting quality issues and reporting to Project QA/QC Manager.
- Good implement the project health, safety and environmental requirements like Permit to Work System (PTW), Confined spaces, Safety site instructions of (Excavation, Electrical, Working on height, Hot works, lifting works...etc.).
- Strictly executing inspection plans and procedures, reviewing and confirming the ITRs.
- Able to undertake the field supervision of all aspects of a project including Electrical and Instrumentation work.
- Ensure assigned construction operations and subcontractors performance are in compliance with specifications and within schedules and budget.
- Able to supervise all on site testing.
- Execute a project from approval to handover.
- Able to supervise all commissioning aspects of an Instrument contract.
- Able to maintain & keep updating the Master Punch List of each System/Sub-System.
- Able to witnessing and acceptance of loop checking and function testing of different system and sub- systems.
- I have previously worked on an Operational hydrocarbon facility, be aware of the operational risks on such a facility plus be able to work under and enforce.
- Good implement the project health, safety and environmental requirements like Permit to Work System (PTW), Confined spaces, Safety site instructions of (Excavation, Electrical, Working on height, Hot works, lifting works...etc.).
- Attending Weekly tool box safety meetings.
- Help in preparing Task Risk Assessment, Hazard Checklist for new and Modifications jobs.
- Manage and track daily / weekly workload and progress.
- Directly supervise, manage and coaching local and International Instrument contractors in the execution of approved projects.
- Deliver projects on schedule.
- Reporting progress and issues of concern to Planning, Engineering & Management and propose solutions.
- Attending daily & weekly construction & coordination meetings with the Client Sub-Contractors and vendors.
- Define and manage computerized project completion documentation from mechanical completion to handover based on UNICCS (Unified Construction to Commissioning System) and Easy Plant system or similar completion systems.
- Coordination between vendors to achieve the scope of work and method of statements.
- Have experience and knowledge of working in the Gulf Region (Saudi Arabia).