**KANNAN SUDALAIYANDI (Mr.)**

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## **Post applied for – QA/QC Specialist**

**TOTAL WORK EXPERIENCE - 20 Years & 9 Months**

**EDUCATIONAL QUALIFICATIONS**

* DIPLOMA IN MECHANICAL ENGINEERING
* B.TECH (MECHANICAL ENGINEERING)

**TECHNICAL QUALIFICATIONS**

* CSWIP 3.2 (SENIOR WELDING INSPECTOR – NO:112938)
* PAINTING INSPECTOR (BGAS Gr.2 – Cert No:71932/2)
* DIPLOMA IN INTERNATIONAL WELDING INSPECTOR (No: IWI-S/GB/04142)
* API 510 PRESSURE VESSEL INSPECTOR (CERT NO:36282)
* IRCA – CERTIFIED LEAD AUDITOR (ISO-9001:2015) (CERT NO:LAC-Q10571)
* ASNT LEVEL III IN RADIOGRAPHIC TESTING (CERT NO:173435)
* ASNT LEVEL III IN ULTRASONIC TESTING (CERT NO:173435)
* ASNT LEVEL III IN MAGNETIC PARTICLE TESTING (CERT NO: 173435)
* NDT ISO 9712 LEVEL III IN MAGNETIC PARTICLE TESTING (CERT NO: 20190633002)
* NDT ISO 9712 LEVEL III IN LIQUID PENETRANT TESTING (CERT NO : 20190734001)
* NDT ISO 9712 LEVEL III IN ULTRASONIC TESTING (CERT NO : 20180532006)
* NDT ISO 9712 LEVEL III IN PHASED ARRAY ULTRASONIC TESTING (PAUT) (CERT NO : 20180538003)
* NDT ISO 9712 LEVEL III IN TOFD (CERT NO : 20190639004)
* NDT ISO 9712 LEVEL II IN AUT DATA INTERPRETATION (CERT NO : 201906210003)
* ASNT LEVEL II IN VISUAL INSPECTION AND TESING
* FILM INTERPRETATION (RADIOGRAPHIC TECHNIQUES, EVALUATION OF WELDS, QUALIFYING RADIOGRAPHS)
* UT API-RP-2X (TRAINING IN ULTRASONIC TESTING OF TKY WELDS/AWS D1.1WITH DEFECTIVE SAMPLES FOR SONOTEST INSPECTION U.K.)
* FLANGE MANAGEMENT TRAINING – Inspection, assembly and tightening of bolted flanged connections.

**MEMBERSHIPS**

* ASNT – NDT (American Society for Non-Destructive Testing)
* TWI – WJS (Welding and Joining Society –UK)
* MISTE – ENGINEERING IN INDIA (Membership of Indian Society for Technical Education)

**SAFETY COURSES**

* ENERTECH QATAR – H2S/BA – S.No : 10112210612
* ENERTECH QATAR CONFINED SPACE ENTRY – S.No : 53231221A3878
* ENERTECH QATAR WORKING AT HEIGHTS – S.No : 5240122A4380
* CPCCOHS1001A- Work Safely in the Construction Industry (Australia)
* MSAPMPER205C Enter Confined Space (Australia)
* MSAPMPER300C Issue Work Permits (Australia)
* RIIRIS201A Conduct Local Risk Control (Australia)
* MSAPMPER200C Work in accordance with an Issue Permit (Australia)
* RIIOHS204A Work Safely at Heights
* Offshore Work Permit Leader
* Safety Improvement workshop – Exxon Mobil
* Australian Occupational Health and Safety – Construction Induction
* Offshore Permit to Work System – Soroosh /Nowruz-IRAN
* Australian Monadelphous Pipeline Induction Course
* Australia Ichthys Project IIF Induction (Incident and Injury Free)
* Sea Survival course
* H2S – Training
* HEUT Training

# EXPERIENCE SUMMARY

## **QA/QC Specialist**:

A profound Project Management experience in Quality Assurance - Quality Control, background knowledge in FEED, procurement, construction, JV-EPC contracts. With team orientation, personal integrity and professional ethics.

Worked in multi-cultural environments in Oil & Gas, Refinery, LNG, Chemical & Petrochemical Plant, Power Plant and other related industries. Experience working in FPSO and offshore works.

Task involved implementation of Quality Management Systems and procedures with the EPC Contractor quality team at all levels in multi-cultural employment environments in the field of Oil & Gas.

Interfaces with Information Management, Procurement and project driving team. Implementation of quality systems and procedures and communicated to all level of Project management disciplinary. To ensure that the Contractor, Sub-contractor Quality plan, Quality assurance, Quality control, Client specifications, Regulatory requirements and Statutory Project requirements are all adhered to. Reporting to the global quality Manager.

Have implemented continual improvement processes (Reporting, KPI, Lessons Learned, Close-out Report), have arranged team orientation and training. Established and conducted internal and external audits as per schedule. Flexible time management with controls of budget to achieve the project quality goal. Ensure appropriate competitive personal approvals.

Established and conducted surveillance assessment schedule. Implementation of PMT, TPI and quality team in appropriate place in timely with cost effective manner and schedule

**QA/QC Specialist**, I have been employed by various major Oil & Gas Operators, PMC, EPC and construction companies in the oil and gas industry in Africa, Middle East, & Australia with Project value up to US$ 55 Billion.

**My roles and responsibilities** - Document review - Contractors, Vendors, Sub-contractors and Lower-tier contractors. Provide inputs reviewed and approved documents like Project Quality Plan, Procurement Material Vendor Specifications, WPS, ITP, NDE Procedures, Hydro-test Procedures, Marking, Shipping and Preservation procedures are provided as per the Project requirement. In addition, TQ/TDR reviewed and approved at variable stages.

Implemented previous project lesson learn.

Reviewed proposed actions, plans and corrective actions for any deficiency, anomaly or non-compliance. Conducted the department meeting for technical clarifications, NCR closed out, documentation submission for comments / approval.

As well as prepared weekly and monthly meeting reports of each QA/QC activity and project troubleshoot with sub-contractors- like observations, NCR and prevent actions. Every day mail communication with Company, Contractor and Subcontractors. Prepared daily, weekly and monthly reports and reported to the Department Head.

Exposure to Material receiving inspection and Preservation monitoring along with Check sheet, HDPE, GRE Underground piping, Pipeline Installation, Piping fabrication & Installation. Periodically visited / monitored the subcontractors’ fabrication yard for their QA/QC systems & implementation. PIM meeting - weekly and monthly meeting.

Jobs involved Team management, Procurement, Fabrication/Installation, Audit with Inspection & Testing of Pipelines, Piping, Pressure vessels, Columns, Boilers, Heat Exchangers, Tanks (API650), LNG Tanks (API620) and GRE/GRP & HDPE Pipes.

**Familiar in using International Codes, Standards and Specifications i.e. ASME, ASTM, BS, ISO, AUS/NZ and API etc.**

A strong and quality professional with focus on safety, collaborative interaction, continuous improvements within the business, digital documentation delivery, and systems implementation.

**Accredited lead auditor** focused on Quality Management Systems.

# Work Experience and Projects in detail

**Present Employer: 1**

Company : TUV Rehinland Gulf L.L.C

Position : **Qatar Energy approved TPI for Refinery & NGL Shut down**

Location : Qatar – Mesaieed

Period : **Since Dec 2021 to March 2022**

**Employer: 2**

**About the project (AinTsila – Algeria)** Central Processing Facility (CPF) is designed to produce 10.3 MMSCMD sales gas.

A gathering system, comprising of well-sites, flow- lines, manifold stations and trunk pipelines to gather the produced fluids and transport that to the reception facilities at the CPF. Raw gas is be treated in the CPF. Processing facilities comprising of pipeline reception, slug catcher(s), feed gas compression, mercury removal, gas dehydration, gas conditioning (natural gas liquids extraction), export compression, condensate stripper, LPG fractionation facilities, condensate and LPG export facilities and associated utilities, storage and buildings are all located at the CPF. Fiscal metering for sales gas, LPG and condensate are located at the CPF battery limit.

Sales quality gas is delivered to SONATRACH TRC’s (TRC) sales gas pipeline system at the tie-in point on a manifold next to the TFT compressor station.

Company : **Petroceltic Int Ltd**

Position : Lead QA/QC Coordinator (Procurement/Fabrication & Erection)

Location : Petrofac Office in UAE (for AinTsila, Algeria Project)

Period : **Nov 2019 to 31 March 2021**

Reporting to **: QA/QC Manager (Mr.Billy McMillan)**

**Responsibilities**

* Have carried out work in compliance with COMPANY values and policies, relevant laws and regulations, adhered to COMPANY priorities and objectives, COMPANY standards and procedures and good industry practices.
* Have promoted & complied with all applicable safety instructions and other COMPANY HSE procedures in all activities.
* Have reviewed and approved the Quality plan & other Quality Documentation applicable to Contractors and Sub-contractors.
* Have implemented QC activities based on criticality assessment.
* Have participated in establishment and implementation of suitable audit programs to cover Contractor’s and Sub-contractor’s main critical processes.
* One of the tasks was to review and approve material certificates.
* Closely witnessed inspection activities based on Quality Control Plan (ITP).
* Issued Non-Conformance reports / review Contractor Non-Conformance reports and validate dispositions. Intervene as necessary where warranted.
* Have implemented continual improvement processes, (Reporting, KPI, Lessons Learned, Close-out Report etc.).
* Participated in weekly & monthly meetings and provided inputs.
* Have co-ordinated and participated in Contractor investigations of significant quality failures. Ensured proper root-cause analysis of Contractor Quality failures. Conclusions were reached and corrective actions where undertaken.
* Have regularly reviewed and validated manufacturing record books and as built drawings.

**Employer: 3**

**About the Project (Ichthys LNG)**

**Ichthys LNG’s** onshore processing facilities include, two LNG processing trains, LPG and condensate plants, product storage tanks, a combined cycle power plant, administration facilities, utilities and a product load out jetty.

The gas arrives in Darwin via an 890-kilometre gas export pipeline – the longest subsea pipeline in the southern hemisphere and the fifth longest on the planet.

It was one of the largest [LNG](https://en.wikipedia.org/wiki/Liquefied_natural_gas) Mega-project in the world, with an initial project cost of US$34 billion. However, this cost was subsequently increased to US$55 billion. The infrastructure is being constructed by a joint venture between [JGC Corporation](https://en.wikipedia.org/wiki/JGC_Corporation), [KBR](https://en.wikipedia.org/wiki/KBR_(company)) and [Chiyoda Corporation](https://en.wikipedia.org/wiki/Chiyoda_Corporation) and production is slated to be around 350 million cubic feet/day

Ichthys LNG is expected to produce 8.9 million tonnes of LNG and 1.65 million tonnes of LPG per annum, along with more than 100,000 barrels of condensate per day at peak.

Company **: KBR**

Position : Lead QA/QC Specialist

Location : Australia Ichthys Project (LNG Plant/Pipeline) Darwin.

Period : **Oct 2012 to 31 May 2019**

Reporting to **: QA/QC Manager (Mr.Billy McMillan & Mr.Alan Tucker)**

**Previous Project with KBR.**

**About the Project (NEW LNG TRAIN SKIKDA) :**

The New LNG Train Skikda Project is located onshore of SKIKDA, Algeria. The project consists of one Mega LNG train with a capacity of 4.5 million metric tonnes per annum along with LNG/LPG storage tanks and associated LPG and condensate recovery. Specific construction of 1 mega train of 4.5 MMTPA capacity, one full containment LNG Storage Tank (150,000 m3) and two LPG storage Tanks (65,000 m3) and one Sphere, five API 650 Tanks and associated Piping facilities.

Position : QA/QC Supervisor

(Procurement/Fabrication, Erection &Testing)

Location : ALGERIA – SKIKDA LNG Project (Africa)

Period **: May 2011 TO Oct 2012**

Reporting to **: QA/QC Manager (Mr.Time Lane)**

**Responsibilities**

* Had ensured that the resources and organization from CONTRACTOR are adequate with regard to workload related to quality control on structural/piping activities,
* Ensured that all required inspections, audits were performed on time and that all corrective action plan is properly implemented by CONTRACTOR.
* Liaised with EPC CONTRACTOR QA/QC Team to maintain all the Quality documentation produced on the Project to ensure follow-up and traceability,
* Conducted Site Quality Surveillance / Monitoring and Participation in audits whenever required.
* Participated on request - Construction / site meetings with CONTRACTOR/ SUBCONTRACTORS
* Participated on request - QA/QC meetings with all relevant parties
* Provided Quality Control indicators (KPI's) and remedial actions to ensure quality efficiency
* Proposed actions, plans and corrective actions for any deficiency, anomaly or non-compliance.
* Contributed to promoting safety culture by reporting safety observations.
* Implemented QA/QC procedures for effective Quality Management and to promote implementation of policies, regulations, procedures, standards and specifications as relevant.
* Carried out internal (project team) & external (Contractor/Subcontractor/Lower tier contractors) audits as required for corrective/preventive actions in scope of the project.
* Provided feedback on Quality matters within E&C Quality Department as might be required and promoted anomalies reporting.
* Managed QA/QC activities during all phases of the Projects, by deploying QA/QC personnel where needed (overseas, onshore and offshore) and ensured that they adhered to applicable procedures.
* Developed and implemented CONTRACTORS/VENDORS and QA/QC process improvement initiatives.
* Ensured Continuous improvement of Company QA/QC processes through implementation of initiatives, findings, etc.
* Ensured CONTRACTORS compliance with QA/QC contract exhibit requirements and implementation of their QA/QC plans.
* Participated in establishment and implementation of Project Quality Management System documents.
* Prepared own project for COMPANY and monitored the CONTRACTOR surveillance plans.
* Supervised Quality Control functions/activities of Projects or its parts, including Quality Control.
* Monitored CONTRACTOR compliance with the QA/QC CONTRACT exhibit requirements and implementation of their QA/QC plans.
* Reviewed and approved CONTRACTOR/VENDOR QA/QC procedures including Inspection and Test Plans, for all Project activities: Engineering, Procurement, Fabrication/Construction, Hook-Up and Installation, Pre-Commissioning and Commissioning.
* Ensured availability of quality record documents to maintain QC status during all phases of Projects. Assessment of implementation of Quality Plan in projects to ensure its correct application.
* Supervised inspections, reports and the documentations issued by inspectors. Collected and filed required Quality records.
* Systematically recorded non-conformity or event-reports-issued and identified appropriate corrective actions.
* Managed and maintained Project KPI related to Quality matters.
* Supervised the management and closure of all identified Non-Conformity. Co-operated with implementation of related corrective actions. Ensured with DCC adequacy of PROJECT’s FINAL DOCUMENTATION

**Employer 4**

**About the Project (EGP3A-offshore Pipeline) -** CHEVRON NIGERIA LIMITED (COMPANY) has awarded to West African Ventures Limited (CONTRACTOR), the contract for Installation of two 24 inch pipelines which form part of the wider Escravos Gas Project Phase 3A (EGP3A).

**Project scope of work**

The overall scope of work consists of the installation of a 24” x 18.2 Kms import pipeline from the shoreline to Okan NWP Platform.

This will include the installation of a riser at the platform and a mid-line assembly for future tie-back and the installation of a 24” export pipeline from the shoreline to approximately 6 kms from the shoreline.

**Company** : **OILFIELD WORKFORCE INTERNATIONAL LTD (Singapore)**

Project : Offshore Pipeline Project

Position : NDT LEVEL III

Location : Nigeria (STG/CHEVRON)

Period **: Feb 2010 to Aug 2010.**

Reporting to **: QA/QC Head (Mr.Peter)**

**Responsibilities**

Witness and review reports for Lower-tier contractor.

NDT activities like Radiography testing, Ultrasonic testing, Magnetic particle and Liquid penetrant testing

**Employer 5**

**About the Project (QGII-Well Head):**

The Qatar Gas 2 (QG2) project was the world's first fully integrated value chain LNG venture-Offshore Well head 4, 5 and 6 & Pipeline 34 and 38 inch Diameter.

It includes two world class LNG mega trains (Train 4 and Train 5) each with a capacity of 7.8 mtpa of​ LNG and 0.85 mtpa liquefied petroleum gas (LPG), condensate production of 90,000 barrels per day (bpd).

**QatarEnergy approved Third party Inspection Engineer through Velosi Qatar**

Umm Bab-Mesaieed main oil line. 36”-97 kilometers and piping fabrications in Dukhan site. PS3 and 4 Pre fabrication and shut down work

Company : **VELOSI CERTIFICATION LLC (UAE & QATAR)**

Project : QATAR GAS II PROJECT & QP (Onshore/Offshore)

Position : Inspection Engineer (Mechanical)

Location : Qatar/UAE Onshore/Offshore

Duration : **March 2007 Feb 2010 (QATAR)**

Reporting to **: QA/QC Manager (Mr.Rajendran)**

**Responsibilities**

Worked as a client QG representative for fabrication and Installation of Qatar gas Well Head 4, 5 and 6, onshore and offshore.

The Third party inspection detail is as under

* Review / Approve Contractor’s Quality Control Procedures (QCPs) and Inspection and Test Plans (ITPs) as required for construction activities and project specifications.
* Verify the Quality performance of the EPC Contractor and sub-contractors.
* Quality Surveillance inspection on Contractor’s project execution site during different phases of execution.
* Ensure verification of inspection performance by conducting regular inspections, verification of corrective actions, verification of third party, NDE (Non-destructive testing/Evaluation) subcontractor’s performance, review of inspection records and welding records.
* Review and approve MTC as per the Project requirement along with the purchase order.
* Inspection of raw materials correlated with Test Certificates.
* Review/approve hydrostatic test package and witness hydrostatic test.
* Review of welding and NDE (Non-destructive testing/ Evaluation) status, weekly and monthly reports.

**Employer 6**

**About the (ADCO - NEB) phase -1 development project for oil production**

NEB-Phase1 Development project Abu Dhabi Company for Onshore Oil Operations (ADCO - NEB) phase -1 development project for oil production, capacity expansion (110,000 barrels per day). EPC contract of companies including, Technip/Coflexip (France/Germany) with the local National Petroleum Construction Company (NPCC). The supply and installation of two processing plants (oil production from a number of subsurface reservoirs), compressor station, gas/water injection systems, onshore/offshore transfer/ export pipelines and well clusters.

Company : **LAHOUD ENGINEERING COMPANY**

Project/Client : ADCO PROJECT - RUMAITHA SITE (UAE)/TECHNIP

Position : **QA/QC Inspector (Welding/Painting/NDT)**

Responsibilities : Inspection activities related to Piping and Structural.

Duration : **May 2005 TO Nov 2006**

Reporting to **: QA/QC Manager (Mr.Mohan)**

**Responsibilities**

Nature of the job was to witness and review reports of material fabrication of structural, piping, pressure vessels and tanks and NDT such as Radiographic testing, Ultrasonic testing, Magnetic particle testing, Liquid penetrant testing, Positive material Identification testing, Post-weld heat treatment, Hardness testing and Vacuum box testing. Hydro test package review, line walk, punch list preparation, and hydro test.

**Employer 7**

**About the SOROOSH AND NOWRUZ (Offshore)Project :**

Main client: National Iranian Oil Company (NIOC)

Client: Shell

The contracts for following items have been awarded to JV of NSQ and NPCC from Shell:

Construction of SPP-2 production platform

Construction and installation of SWP-2 well-head platform

Construction and installation of SPP-1 production platform

Construction and installation of SLQ platform for 55 people

Company : **SGS LTD**

Project/Client : IRAN - SOROOSH AND NOWRUZ (Offshore)

INTEGRATED DEVELOPMENT PROJECT OFFSHORE/SHELL

Position : NDT Inspector

Responsibilities   : NDT Inspection activities related to Piping modifications

(SS & CS), Pressure Vessel & Heat exchanger repairs of

Internal pitting Inconel clad.

Reporting to **: NDT Supervisor**

**Responsibilities**

Fabrication and welding items NDT have been carried out- such as Radiographic testing, Ultrasonic testing, Liquid penetrant testing, Magnetic particle testing, Hardness testing, Positive material identification testing, Salt content testing of internal cladded vessel and preparation of NDT reports. Weekly and monthly update of NDT activities and witnessed pressure testing.

Project/Client **: MAERSK OIL QATAR – OFFSHORE**

Position : NDT Inspector

Responsibilities : Inspection activities related to 12” Pipe line Tie-in and Riser Joint.

Duration      : **June 2003 TO Dec 2004**

Reporting to **: NDT Supervisor**

**Responsibilities**

Carried out Pipeline NDT activities such as Radiographic testing, Ultrasonic testing, Magnetic Particle and Liquid penetrant testing. Prepared final NDT reports. Weekly and Monthly NDT activities were updated.

**Employer 8**

Company        : **COOPER HEAT LTD**

Project/Client : KUWAIT - KNPC MINA AL-AHMADI

Position : NDT Multi Technician

Responsibilities     : Inspection activities related to NDT Piping Heat exchanger and

 Vessel during Maintenance and Shut down

Duration : **Oct 2001 TO March 2003**

Reporting to **: QA/QC Department Head (Mr.Jassim)**

**Responsibilities**

NDT activities such as Radiographic testing, Ultrasonic testing, Magnetic particle testing and Liquid Penetrant testing has been carried out and then the reports prepared

**Employer 9**

Company : **IXAR PTY LTD**

Project/Client : JLPL PIPE LINE / PUNJLLOYD IN RAJASTHAN

Position : NDT SITE IN-CHARGE

Responsibilities : Supervised NDT Inspection, Film Interpretation

Activities Pipeline /station Piping

Duration : **May 2000 TO Nov 2000**

Company **: IXAR PTY LTD**

Project/Client : GUJARAT REFINERY – BARODA

Position : NDT SITE IN-CHARGE

Responsibilities : NDT Inspection activities related to vessels and piping

during shutdown and maintenance.

Duration      : **SEP 1997 TO JAN 2000 & JAN 2001 TO AUG 2001**

Reporting to **: NDT Department Head (Mr.Jain)**

# PERSONAL DETAILS

D.O.B : 18-06-1977

NATIONALITY : INDIAN

MARITAL STATUS : MARRIED

DRIVING LICENSE : LMV (INDIAN & AUSTRALIAN)

PASSPORT DETAILS : PASSPORT - Republic of India (No: U5724356)

DATE OF EXPIRY - 16/06/2030

References available upon request

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