

"Versatile, high energy professional targeting for assignments in
ANDT Inspection in Oil & Gas industry"



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RAJIV THANGAPANDIAN

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Career objective:

Seeking a challenging career in a leading company, that matches my field, where my abilities and skills can be developed and knowledge can be applied.

Summary:

Over 8 years of relevant experience as NDT and 4 years in PAUT & ROPE ACCESS INSPECTOR in the field of Offshore & Onshore Oil and Gas construction /In-service field.

I have covered the various projects experience includes Advanced NDT Inspection, corrosion monitoring of Process Piping platforms, Refineries In-Service Plant & equipment both Offshore /Onshore, Pipe lay, FPSO, Jacket & Top side In-service inspection Reference Knowledge in various International construction code, (ASME Sec V, Sec VIII, Sec IX, ANSI B 31.3, Code case API 1104, ABS Rules, AWS D1.1, BS EN ISO 11666 & DNV Class Notes 7)

Technical Expertise:

INDUSTRIAL ROPE ACCESS TRADE ASSOCIATION

- Level 1 IRATA (Rope access)

BRITISH INSTITUTE OF NON- DESTRUCTIVE TESTING PCN- LEVEL II

- Phased Array Ultrasonic Testing (PAUT)
- Ultrasonic Testing (3.1,3.2& 3.9)

AMERICAN SOCIETY FOR NON- DESTRUCTIVE TESTING

NDT LEVEL II - ASNT-TC- 1A

- Ultrasonic testing
- Magnetic Particle Testing
- Radiographic Testing
- Liquid Penetrant Testing

Academic profile:

- DME Mechanical Engineering (Completed Through Distance Education)

Professional Work Experience:

A-STAR TESTING & INSPECTION (M) Sdn Bhd. Malaysia, (Nov 2017 to TILLDATE)

- ❖ **Position: PAUT, UT & ROPE ACCESS INSPECTOR**
- ❖ **Client: TOYO ENGINEERING**
- Project: RAPID SCC (PETRONAS),**

GOODWILL ENGINEERING & INSPECTION Pte Ltd. Singapore, (July 2014 to Oct 2017)

- ❖ **Position: ADVANCE NDT & ROPE ACCESS INSPECTOR**
- ❖ **Client: JVC (GHANA WEST AFRICA)**
- Project: GHANA OCTP DEVELOPMENT**
- ❖ **Client: SEMBAWANG SHIPYARD**
- Project: KAOMBO SOUTH**
- ❖ **Client: KEPPEL SHIPYARD**
- Project: JOKOTOLE FPSO**
- ❖ **Client: PPL SHIPYARD**
- Project: PACIFIC CLASS-400 Jack-up rigs, P2043, P2045, P2046, P2047, P2048, P2049, P2050, P2052, P2055**
- ❖ **Client: JSL SHIPYARD**
- Project: DOCKWISE, LIBRA**

AL ARABIAH PIPELINE TESTING SERVICES, United Arab Emirates, (June 2013 TO May 2014)

- ❖ **Position: UT TECHNICIAN**
- ❖ **Client: PREMIER OIL**
- Project: SOLAN**

MANTECH METALLURGICAL SERVICE (March 2012 TO May 2013)

- ❖ **Position: NDT TECHNICIAN**

LEIGHTON CONTRACTOR INDIA (P) Ltd (Feb2011TO Feb 2012)

- ❖ **Position: NDT TECHNICIAN**

M/S BARAKATH ENGINEERING INDUSTRIES (P) Ltd. (June 2009 TO Jan2011)

- ❖ **Position: NDT TECHNICIAN**

ROLE:

- Conducting Advanced Ultrasonic Testing of Piping, Structure, Pressure Vessel & Tubular Welds.
- Performed:
 - Carry out PAUT Inspection on various thicknesses of process piping stainless steel and carbon steel joint \varnothing 2", 4", 6", 8", 10", 12", 14", 56", 64", 108" PAUT. techniques
 - Inspection on Plates, Pipes, Tubes, Pressure Vessel & Mounted Bullet Tanks.
 - Various NDT methods Performed in Offshore, Onshore, New & Old Constructions.
 - Hands on experience in MPI & LPT for Pressure vessels, Structure & Piping.
 - Calibrating Equipments- PAUT Olympus MX2, UT Kratkramer USM35, Modsonic Einstein II & Sonatest Maintain equipment used.
 - Prepare equipment and documentation necessary for the inspection.

HIGHLIGHTS:

- First option for all the client witness jobs and cleared mock-ups UT for all the main projects.
- Competently performed inspection of pressure vessels, mounted bullet tanks which improved significant quality compared to previously inspected, implemented different techniques on the welds and make sure welds are free from defects.
- Preparing and reviewing Procedures as required and in conjugation with latest codes.
- Steered the implementation of quality initiatives such as following codes and Procedures that instilled basic quality philosophies of doing things right the first time, resulting in an reduction in company rework cost.
- Played a key role in adding new revenue streams through implementation of strategic plans.
- Managed new projects ANDT Projects (Petronas Rapid Project) and faced & overcome key challenges like conducting inspection on bullet tanks & large pressure vessels (before and after heat treatment), quality of inspection, project reporting & documentation, project audit and cross verification on inspected items.
- On job training to LEVEL I and LEVEL II.
- Co-ordinate with the third party inspectors from NTPC, BHEL and Inspectors of Boilers.
- Calibrate the equipments periodically.
- Evaluate results with respect to codes standards and specifications.
- Preparation of Report and interprets the results.
- Carried out the LPI & MPI in Pressure Parts & boiler components & valves
- Perform to Internal cross Checking for all NDT ACTIVITIES as per the Codes.
- Any special requirement WPS/Procedure/Weld sequence etc.
- Visual inspection on piping Fabrication & Erection Welding, at shop & field.

IT Skills:

MS Office (Excel, Word & PowerPoint)

Equipment's Handled:

PAUT (Phased Array Ultrasonic Testing):

OMNISCAN MX & MX2 (Version 3.2, 4.1 &4.2&4.3)

Es Beam tool (Tomoview 2.10R21)

Ultrasonic Testing:

Krautkramer USM35, USM50S, EX-10 or Ex 100, PX-Detector, UTG.

Magnetic Particle Testing:

AC & DC yoke, Permanent Magnets, Prods, Centralconductor, Head shot method.

Radiography:

Amertest 660, Teletron & Roli Cameras .Tech-ops 660

X-Ray Machines such as andrex, Phillips, X- mas & ICM, Belgium.

Personal Particulars:

Date of Birth : 15th MAY 1992

Nationality : Indian

Martial Stats : Single

Passport Number : K9966931

Place of Issue : Madurai, Tamilnadu

Date of Issue : 05April 2013

Date of Expiry : 04April 2023

Language Known : English & Tamil

Current Location : Malaysia

DECLARATION

I hereby declare that all the details furnished above are true to the best my knowledge

Thanking You

PLACE:

DATE:

(T.RAJIV)