

## **CURRICULUM VITAE**

### **MANIKANDAN ESSAKKIMUTHU**

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*Seeking a role as*

### **QA/QC Engineer & Inspector Steel Structure.** (Preferred Sectors: Steel Fabrication - Oil & Gas)

#### **PROFILE SUMMARY:**

A competent professional with more than **14 years** of experience ( ABROAD & INDIA) in Quality control, project execution, Sub contractor Management & Proficient in monitoring the progress, identifying shortfalls & preparing recovery plans.

#### **PROFESSIONAL SKILLS**

Construction Drawings such as P&ID, Piping Isometrics, Equipment, Structural, GAD. Familiar with Material Inspection, Dimensional check and Documentation as per Construction Materials Standards such as ASTM/ASME SA 106,SA 515,SA516, SA105, SA 312, SA 240, SA234 etc. and with ANSI standards of B 36.10, B 16.15, B 16.9 etc.

Thorough knowledge in welding standards of ASME Section IX and API 1104. Familiar with Welding Procedure Qualification, Welder Qualification, P numbers, Selection of Electrodes, Weld Visual Inspection etc.

Good knowledge in Radiographic Interpretation of weld joints, Ultrasonic Inspection, Magnetic Particle Inspection and Penetrant Test, Reporting and Documentation.

Fabrication of Piping, Structure, Pressure vessels and other Equipment's, Documentation of History Sheet, Test Pack Clearing etc.

Confident to handle the Construction & Quality Control activities as specified in the Drawings and applicable standards and specifications.

#### **Duties and Responsibilities**

Inspection of Support Foundation prior to Structural or Equipment Installation.

Conduct, joint inspection with PID, structural alignment prior to grouting.

Procedure Verification Testing of Turn-of-Nut & Testing of Calibrated wrench Methods ASTM A325 or ASTM A490 Bolts. Bolts supplied by approved vendor are being tested with respect to Table 8.1 or Table J3.1M (Research Council on Structural Connections RCSC/Specification for Structural Steel Buildings) with the Minimum Pretension Value.

Conduct Internal Inspection for pretension joints (Snug Tight) prior to final Bolt Tightening.  
Conduct joint inspection with PID for final bolt tightening.  
Inspection of Pipe racks, sub pipe racks, Reactor structures & access platforms for vessels, Local platforms & T-Supports.  
Conduct surveillance inspection for early detection of errors.  
Review documents, RFI's and reports prior to Project Inspection Department signature.  
Perform/witness all above-mentioned Inspections offered by various sub-contractors.  
Raise Quality surveillance report and/or NCR if required.  
Coordinate with the construction team quality related issues for a better flow of progress.  
Conduct thorough, systematic, and timely inspections on all completed activities within assigned scope of work by listing incomplete or deficient works and consolidating end-users' observations to ensure timely completion of works to approved scope with respect to Inspection Test Plans & Testing procedures and Project Safety Policies.

### **MAIN PROJECTS & ROLES HANDLED (14 YEARS)**

#### **Present Employer.**

#### **► (N.S.H) Nasser Saeed Al Hajri Corporation W.L.L, BAHRAIN.**

Client : Bapco  
Contractor: TTSJV (Joint venture of Technip, Tecnicas Reunidas and Samsung)  
Project : BMP (Bapco Modernization Program) Project.

QC Inspector Steel Structure for Pipe Racks, STR's and Equipment Structures, Furnace structure's etc. **(Nov 2021- Present)**

#### **► Al Bayan Land Building Contracting, BAHRAIN.**

Client : Alba  
Contractor: Naibtech Industrial Solution  
Project : SEPCO III.

QA/QC Engineer Steel Structure for Pipe Racks, STR's and Equipment Structures etc. Alba Project, Bahrain **(2019- 2021).**

#### **► Naibtech Industrial Solution Pvt Ltd BAHRAIN.**

Client : Alba  
Contractor: N.S.H & GAC  
Project : Aluminum Bahrain, SEPCOIII

QA/QC Engineer for shop fabrication, assembly and Erection of structures, piping for Alba Project & SEPCO III Project, Bahrain **(Sep 2018 – June 2019).**

► **Eversendai Engineering LLC Dubai UAE** :- An ISO 9000:2008 Company engaged in all mechanical construction activities including pipe line work, piping, structural & equipment erection for power plants , chemical industries & shipyards.

QA/QC Engineer for shop fabrication, assembly and Erection of structures, piping for Projects - Burj Tower, Dubai Mall, Princess Tower, Cleveland Clinic Abu-Dhabi, Capital gate (Abu-Dhabi), NDIA (New Doha International Airport), CMA Tower Saudi, KAPSARC (Saudi). **(Dubai U.A.E Sep 2010 - Dec 2014) (India- 2016 - 2018).**

► **Napco.co.LLC Saudi Arabia.**

QC Inspector for Machining & Manufacturing (2008 - 2010).

► **Wave Mechanics Pvt Ltd Bangalore INDIA:** - An ISO 9000:2008 Company engaged in all Aeronautical & Machineries Spare Parts activities.

QC Inspector for C.NC Machining & operation of C.N.C Turning, Milling & V.M.C **(2007 - 2008).**

► **Aquasub Engineering LLC Coimbatore INDIA:** - An ISO 9000:2008 Company engaged in all Texmo Borewell submersible Pumps Water Plumbs, Motored lamination activities,

QC Inspector for Borewell submersible Pumps of C.N.C Turning, Milling & V.M.C **(2006 - 2007).**

#### **EDUCATION QUALIFICATION:**

- Diploma in Mechanical Engineering with 75% (2003-2006) From Board of Technical Education, Tamilnadu, India.
- SSLC,SMRV Higher secondary School Tamilnadu, India (Year Passed 2003)

#### **TECHNICAL CERTIFICATION/ QUALIFICATION:**

- ASNT Level-II in Radiographic Testing
- ASNT Level-II in Ultrasonic Testing
- ASNT Level-II in Penetrant Testing
- ASNT Level-II in Magnetic Particle Testing
  
- AUTOCAD (Year Passed 2006)
  
- Advanced C.N.C Programing & Operation
- C.N.C Lathe
- C.N.C Milling
- C.N.C Tooling
- C.N.C Job Setting
- C.N.C Preventive Maintenance

**PERSONAL DETAILS:**

Date of Birth : 14/02/1987  
Passport No. : P9338542.  
Nationality : Indian  
Languages Known : English, Hindi, Malayalam, and Tamil & Arabic  
Marital Status : Married.

**DECLARATION**

I hereby declare that all the above information's are true and correct to the best of my knowledge and belief.

Place:

Date:

MANIKANDAN.