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|  | **Denny Thomas**  **SENIOR PIPING ENGINEER (Total Experience 14 years)**  **Sharjah, United Arab Emirates**  **+971506081833, +96894125393**  email:[**dennykvg@outlook.com**](mailto:dennykvg@outlook.com)  **Education: -**  B-TECH Mechanical Engineering (2006), University of Calicut, India  Post-Graduation in Piping Engineering, Suvidya Institute of Technology, Mumbai, India  Date of Birth: - 04/04/1983, Nationality: - Indian |

### Career Summary

* About 14 years of experience in Piping design and Engineering for Feed, Proposal, and Projects
* Over 4 years of experience in Offshore platforms, and 12 years of experience in Refineries and Oil & Gas Upstream facilities executed for clients in Middle East, India and Algeria
* Led successfully medium scale Projects (approx. 500 million $) as Piping Lead Material Engineer and Area lead for Piping Layout with high degree of focus on co-ordination of Engineering, Procurement and Site activities
* Experience in Brown field and Green Field Projects

### SKILLS

* Extensive exposure to ASME, ASTM, API, BS, MSS and NACE Codes & standards
* Well Conversant with SHELL DEP’s /MESC SPE’s, ARAMCO Standards
* Experience in High pressure and high Sour service piping
* Develop the piping classes for all process and utility systems to compliment the needs of a project
* Handled all type of materials including the nonmetallic piping (GRE, GRVE & CPVC)
* Experience in cladded pipe, fittings and valves
* Experience in designing the Piping for Pump stations, Pipe racks, Tank Farms, Distillation Column, Compressor house, Vessels, Air coolers, Heat Exchangers etc.
* Pipe support selection and capable of preparing special pipe support designs
* Experience in **MARIAN, VPRM, PDMS, NAVISWORKS**
* Model reviews and Constructability Reviews

### WORK EXPERIENCE (14YEARS)

#### *Petrofac International LLC Sharjah,* Senior Engineer (Apr 2013 – Present)

* **Lead Piping Material Engineer** completed several detail engineering Oil gas projects mainly in Middle East and Algeria (Scope Range: -Valves 5K to 20K, Pipes 150KM to 270KM and its fittings, Inch Dia up to 1 Million)
* **Led Proposal activities** for various EPC bids including Contract review/ Man-hour estimation/Scope Matrix/Pre-bid engineering activities /Cost estimation activities

#### *Rotary Arabia,* Saudi Arabia, Project Engineer (Jul 2012 – Mar 2013)

* **Field Engineering** Lead and clarified all site queries in various phase of construction including Pre-commissioning and Commissioning for the Refinery Tank Farm

#### *Essar Engineering Services, Mumbai,* Deputy Manager (Apr 2008 – May 2012)

* **Area Lead Engineer** in Piping layout for the Refinery Units such as **CDU, VDU, Utilities and Tankages**
* **Piping Material Engineer** and handled material activitiesfor the Offshore platforms and Refineries

***Citec Engineering India PVT. LTD,* Design Engineer** (**Jun 2007 – Apr 2008)**

Execution designing and developing of Piping Layouts, Equipment Layout, Piping Isometrics, MTO, from 3D modeling through application of **PDMS**

#### *Plus Tech Engineering Pvt Ltd,* Site Engineer (Jun 2006 – Apr 2007)

* **Site Engineer** responsible for the fabrication and erection Pipe supports for the several Well head platforms and Process platform

### Projects

**Senior Engineer Apr 2013 - Present**

***Petrofac International LLC* Sharjah**

**1). Project: -Engineering & Procurement and Construction Services for Yibal Khuff Project, Client Petroleum Development of Oman (Oct' 2015 -Till Date).**

The project includes development of wellheads, RMS, flow lines/trunk lines, a Central Process Facility (CPF) and a Power Plant. The CPF includes: Inlet facilities, Liquid handling (Oil and Water Processing), Gas Treatment, Sulphur Recovery and Blocking, Utilities Complex.

**This job involved PDO, Shell DEP & MESC specifications which were reviewed in line with Project requirements and there was emphasis on DEM-1 requirements.**

* Review of ITB and Preparation of Technical clarification
* Development of Piping Material Specification
* Preparation of Datasheets for Valves and Piping specialties
* Preparation Material Requisition, Technical Bid Evaluation and Purchase requisition
* Participated in 30%/60%/90% 3D model review, Design review & Constructability reviews
* MTO Control: - Material Code & Part No generation, Bill of Quantity and Order tracking
* Line List Preparation/Checking: -Assigning the Inspection Class, Extent of NDE, PWHT, Painting Class, Insulation thickness
* Piping Fabrication Shop Management: - Spool drawing preparation, Material Allocation/Simulation, Shop Progress Measurement and Material Reconciliation

**2). Project: -Alrar Inlet Separation and Boosting Facilities, Client Sonatrach, Algeria (Oct2013 - Oct' 2015).**

This project includes development of Slug Catcher, Four Trains of Two stage Compression with each stage consisting of one gas turbine driven compressor, Mercury Removal Unit and Flash Gas Compression Package.

**Overall the job was carried out with extensive planning, well synchronized Engineering deliverable output meeting Client's expectations and all long Lead Piping items were ordered as per the Project Schedule meeting the Milestones well within their planned date.**

* Lead Piping Material engineer responsible for all Piping Material related activities; the deliverables of around 5000 Manual Valves and ensuring compliance to Algerian Regulation for Hydrocarbon.
* Extensive interaction with Client, QA personnel and Project Mgmt.; and achieved a good understanding on Piping Material related issues with client team.

**3). Project: -North Tank Farm and Loading Arms Facilities, Client Saudi Aramco, (Apr' 2013 - Jun'2013).**

This Project Includes Package 4 -Northern Tank Farm and Loading Arms and Package 5 - Southern Tank Farm Facilities. The North tank farm (package 4) will cover approximately 3.5 km2 with a total of 81 Tanks, 12 Spheres and associated utilities. The South tank farm (package 5) will cover approximately 1 .5km2 with a total of 7 Tanks and associated utilities.

* This job involved **ARAMCO** specifications and Technical queries were raised upfront
* Ensured Timely ordering and delivery of Piping items well within the Project Schedule
* Piping Material specification, Material Requisitions, Technical Bid evaluations & Vendor drawing review

**Project Engineer Jul 2012 – Mar 2013**

***Rotary Arabia. LTD* Saudi Arabia**

**1.Project: -Jubail Export Refinery Project, Client Saudi Aramco Total Refining and Petrochemical Company (Jul'-2012-Mar'2013).**

Project includes Engineering, Procurement and Construction (EPC) contract to build a Refinery tank farm.

* Conducting weekly project review meeting with Client
* Resolution of Pre-Commissioning and Commissioning Punch points
* Preparations of Hydrostatic Test Packs
* Field Engineering and resolution of Site technical queries

**Deputy Manager Apr 2008 – May 2012**

***Essar Engineering Services LTD* Mumbai**

**1.Project: -Detailed Feasibility Report for Kenya Petroleum Refineries LTD. Kenya Mombasa (Jan 2012 -May 2012.)**

* Estimation of piping items of Tank farms, Gantry, Pipe rack, Offsite Utilities (OSBL) with +/- 15% accuracy.
* Preparation of Civil/Instrumentation/Electrical Information documents/Drawings for Estimation.
* Development of Plot Plan, Pipe rack layouts/cross sections for Estimation.

**2.Project: -Paradip Refinery Project, Client Indian Oil Corporation LTD (LSTK) (Atmospheric Vacuum unit) (Nov 2010-Jan 2012)**

Project contract includes residual Process Design, Detailed Engineering, Procurement, Construction, Commissioning and Performance Testing of core process units of the refinery, including the Atmospheric Vacuum Unit (AVU), Straight Run LPG Treating Unit, Naphtha Hydro Treating (NHT), Naphtha Fractionator Unit (NFU), Continuous Catalytic Reforming (CCR) Unit, Sour Water Stripper (SWS) Unit and Amine Regeneration Unit (ARU).

* Piping area Lead for the units Atmospheric Vacuum Unit, De-Propaniser, and Dethaniser LPG Treatment Plant & Amine Regeneration
* Checking of model as per check list and coordinate with all disciplines (Piping Civil, Instrumentation, and Electrical) for conducting 30%, 60% & 90% Client model review
* Preparation of Engineering Drawings such as Nozzle orientations, Equipment & Piping layout, Piping of Columns, Exchangers, Pumps, Vessels, Fin fan air coolers
* Developed Isometrics, and Piping MTO, Painting MTO, Insulation MTO and Support MTO
* Prepared Statutory Approval documents for approval (IBR, PESO)

**3.Project: -ONGC D1 Development Project (LSTK) (Sept 2009-Nov 2012)**

The scope of the work included engineering, procurement, construction, installation and commissioning of the three unmanned four-legged fixed jacket platforms in water depths of about 90 meters. the project will help ONGC scale up D1 field production to 35,000 barrels per day.

* Responsible for all the Piping Material related activities and ensured timely issue of Deliverables as well as interfacing with client to expedite their approvals
* Involved in the preparation of Equipment and Piping, layouts

**4.Project: -Essar Oil Refinery Expansion Project -Vadinar (33.5 MMTA Refinery Expansion Project for Essar Oil Ltd.) (April 2008 to September2009)**

* Prepared Piping Material Specifications, Valve Datasheets, Technical bid Evaluation, and Vendor drawing review
* Preparation of Equipment & Piping layout of Tank farm, Cooling Tower, Desalination Unit, HCL Storage Tanks & Pipe rack
* Coordinate with vendors of various Package Units: - Desalination Unit, Effluent Treatment Plant, Reverse Osmosis Unit, Chlorination Package, Side Stream Filtration Package, Chemical Treatment package for Cooling Water Facilities

**Design Engineer Jun 2007 – Apr 2008**

***Citec Engineering India PVT. LTD,* Mumbai**

1. **Project: -Dibamba Cameroon (EPC) (88 MW Diesel Engine Power Plants for Kribi Power Development Company (KPDC), Africa, Cameroon, Douala).**
2. **Project: -Atbara New Cement Plant (EPC) (40 MW Diesel Engine Power Plants for Atbara Cement Co. Ltd., Sudan Mumbai**

* Successfully handled projects in Detail Engineering - Execution designing and developing of Piping Layouts, Equipment Layout, Piping Isometrics, MTO, from 3D modeling through application of PDMS
* Checking the clashes of piping with other lines, equipment, structures, existing pipelines, on PDMS
* Coordinating with the Area Engineers to resolve the clashes by modifying the line routing or location for structures etc.

**Site Engineer Jun 2006 – Apr 2007**

***Plus Tech Engineering Pvt Ltd* Surat**

**1.Project: -Construction of Booster Compressor Process Platform (Offshore Process Platform for Bombay High, ONGC).**

* Assist site engineers during the erection of Piping and Equipment
* Prepare design change requests during the construction phase
* Material Identification and Conducting the Inspection and Testing as per Plan
* Fabrication and Erection of Supports (Secondary, Primary & Special Pipe Supports)