



# V. VENKATESAN

Location Preference: Chennai

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Scaling new heights of success with hard work & dedication and leaving a mark of excellence on each step; targeting top level assignments in **Operations, Commissioning & Start-up, Project Management and Asset Integrity**, preferably in **Oil & Gas/Petrochemical/Fertilizer/Water & Waste Water** industry

## Profile Summary

- A **competent professional** offering **nearly 31 years** of rich & extensive experience in **Operations and Maintenance, Project Management, Project process support, Installation & Commissioning**
- **Resourceful** in designing CDP (Conceptual Development Package), ITB, Scope of work, Resource Matrix, Drawing Packages (PFD & PID), Development of SOPs, Load shedding Procedures for seamless operation of projects
- A **keen strategist** with expertise in administering project operations with key focus on top & bottom-line profitability through optimal utilization of resources with track record of completing the projects within time & cost parameters
- **Change Management:** Excellence in transforming quality function into a robust quality unit that delivers maximum output with zero defects and driving capability improvement of processes, systems & people through implementation of quality pillars
- **Insightful exposure** on adopting SABIC Risk Based Inspection approach for Static Equipment, PRD's and piping for establishing inspection strategy; active member of Corrosion Loop workshops and in RCA facilitation
- **Key role** in minimizing the manpower and energy optimization by strategizing plans for the same
- **Extensive exposure** on Port Operations & RM Handling, Oil & Gas (Asset Integrity/Upstream Operations) Projects in Utility, Polymers, Chemicals Process Support-Process/Utility sector, RO, WT & WWT. TA & S/D - Petrochemicals/Fertilizers and Plant Operations across Petrochemicals/Fertilizers industry
- **Proficient** in managing multiple new **testing & commissioning projects** while developing baselines; controlling projects with respect to cost, budgets, time overruns and quality compliance to ensure satisfactory execution of the same
- **Skilled** in minimizing downtime, improving operational effectiveness and smooth uninterrupted operations of plants with optimum utilization of budget
- **Proven track record** in maintaining cordial relationships with consultants, Vendors, Contractors and Local authorities for uninterrupted operations
- In-depth knowledge of **Hazop Review** coordinated with various departments for smooth functioning of the equipment by feedback and suggestions from them

## Trainings/Certifications

- Qualified TA Coordinator for the TA's in 2013, 2015 and 2016
- Attended:
  - Trainings in Chemical Plant Trouble shooting, Industrial Water Treatment, EDDMS SPF Viewer course and completed Corrosion Loop workshop for Utility & Olefins
  - Project Management workshop & successful Project Management – Tools & Techniques
  - SAP and Safety courses meeting SABIC Standards
  - Safety and Cyber security Trainings per ExxonMobil requirements
  - Qualified ERT Team member in MFL and Quest-Global
- Passed API 580 Risk Based Inspection

## Key Impact Areas

Project Management

Operations & Maintenance

EHS Management

Production/Off sites Operations

Cost/Resource Optimization

Water/Waste Water Treatment Management

Process Excellence

Troubleshooting

Audits & Compliances

Team Building & Leadership

## Education

- **MS in Manufacturing Management** from BITS, Pilani in 2005
- **BS in Engineering Technology** from BITS, Pilani in 2003
- **Boiler Operations Engineer (BOE)** from Inspectorate of Boilers, Govt of Tamil Nadu, India
- **Diploma in Mechanical Engineering** from CN Polytechnic in 1985

## Key Skills

Collaborator

Communicator

Innovator

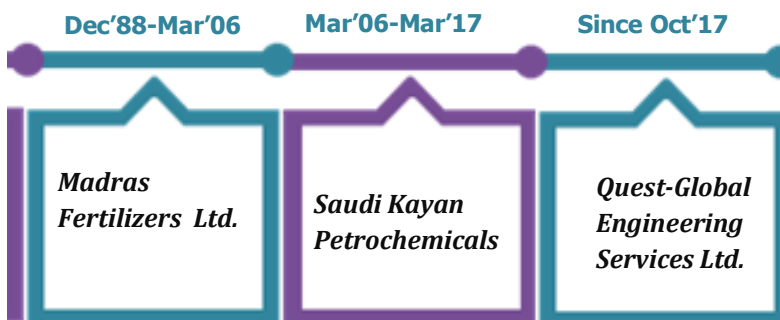
Intuitive

Thinker

## Notable Accomplishments Across the Career

- **Played a key role** in saving \$15 million by performing an extensive technical study on overall Effluent Treatment Design on high TOC issue as well as designing mitigation plan for the worst-case scenario that steered to eradicating PC Treatment Package
- **Showcased skills** implementing 6 Design Change Projects and 3 MOC's in TA of EOEG in 2013 that led to augmented plant capacity up to 120%
- **Successfully led the commissioning** of 110 ATA and PC Boilers, RO, TTP and WWT Plants; steered efforts for TA completion for Utility, Ammonia and Steam Systems, Power Failure Handling and De-aerator Parallel Commissioning
- **Conducted SABIC sustainability studies** for waste glycol/amines disposal, waste oil disposal, sodium sulfate salt disposal and waste water recycle and so on
- **Valued contributor** in pigging of crude oil lines and other process lines such as Hexane, EG lines, as well as petro product lines during commissioning as well as in normal run
- **Steered efforts** for revalidation and updating of Ground Flare, Elevated Flare, Phenolics salty treatment package, Cooling system PHE performance measurement in Sea water circuits
- **Pivotal role in** implementing a significant Ground Flare Modification project in established budget of INR 20 Crores / US\$ 4 Million by performing continuous monitoring of budget movement and augmented utilization; accomplished the project in TA for adhering to RC guidelines
- **Accomplished Membrane Replacement & PSF & DM Media (Servicing) study** that steered to extending the Membrane and Cartridge Filter Operations
- Successfully managed operations and troubleshooting of **High Pressure Boilers, Compressors, Heat Exchangers, Acid Coolers, Absorption Towers, Furnace, Converters, High Capacity Pumps, Columns and Auxiliary Systems**

## Career Timeline



## Professional Experience

**Oct'17-Oct'19 with Quest-Global Engineering Services Ltd., Bengaluru as Lead Engineer-EXXONMOBIL, Oil & Gas Projects**

### Key Result Areas:

- Establishing the process scope including PFDs, process equipment specification and process design basis documents and System turnover, PMT, TCCC and closeout
- Engaged in SOP's Review, Commissioning Procedures Review's, Pre-commissioning walk down, System Turnover, Punch List verification and closure, FDCN implementation, HAZOP, TCCC Review and SIL assessment during construction, Mechanical completion in Pre-commissioning & commissioning
- Delivering extensive support for EPC project management, augmenting Alarm Management system (AMS) interlock checks and performance tests
- Conducting comprehensive evaluation of turnover P&ID's, PFD's, Data Sheets, Control Logics, Cause and Effect Diagrams and incorporate MOC as per the requirement
- Performing SABIC Sustainability studies for ensuring waste Glycol/Amines disposal, Waste Oil disposal, Sodium sulfate salt disposal and waste water recycle
- Working as an active coordinating Team member in **What If Scenario** for Process Plants, conducting impact of Utilities Failure and representing numerous scenarios along with process plants process engineer
- Engaged in Performance Test and Study of PHE's, Incinerators, Benzene Stripper, Cooling Tower, Boilers and Demin Plant
- Generating accurate Status Reports and presentations for Ground Flare Issues, Incinerator and Boiler emission issues corresponding to Royal Commission appeal
- Engaged in:
- De-aerator parallel commissioning online without shutdown of Boiler
- Commissioning of new 110 ATA steam boiler supplied by Thermax, India, and Process condensate boiler supplied by BHPV, India
- Managing all the processes of plant-start up, shutdown & stabilization of plant, emergency handling; possess insightful exposure on DCS operation by Tata Honeywell TDC-3000 system
- Reverse Osmosis Plant –Membrane replacement, PSF & DM media (Servicing), study to prolong the membrane operation and cartridge filter operation
- Tie in of the new revamped plant with HDS and Synthesis sections of the old Ammonia Plant.
- Spearheading:
- Erection of additional cooling tower, machinery and compressor

- Port facilities for receipt of Phosphoric Acid, Potash and other shipments; working closely with port authorities for ensuring timely delivery and closure of shipments
- Coordinating with CPCL for receipt of Naphtha, Crude Oil, LPG, HSD and LPG supply to receiving tanks and bullets
- Conducting Piping circuitization and criticality Assessment for EXXONMOBIL assets for IOR Plants across Canada, USAN for UN and CHAD in Africa and Malaysia
- Preparing inspection packages, review of circuit markings, inspection report reviews consistent with API standards
- Heading Reverse Osmosis and Tertiary Treatment Plant Operations & Maintenance including troubleshooting, optimization, replacement of media in Filters, Membrane re-use and replacement, sterilization along with:
- Sterilization of Membranes
- Membrane Replacement
- DMF & Sand Filter Media Replacement
- Membrane chemical wash, preservation/procedures, reporting
- Chemicals preparation and check up
- Demin Plant Media replacement, resin backwash and replacement, throughput optimization, trouble shooting to meet desired results
- Assessment of complex parameters and recommending on corrective actions on Demin plant, Boiler FW, Reverse Osmosis, TTP and Canteen waste water treatment plants
- Managing the entire gamut of operations & maintenance of engineering equipment of the plant including upgradation/modernization of equipment, resolution of issues with equipment manufacturers and spare parts management
- Handling multiple projects from conceptualization & visualization to technology mapping and final execution of projects
- Devising strategies to overcome roadblocks or delays through various methods such as industry related technical knowledge, innovating alternative ways, improvising with available resources, scheduling to meet the deadline, etc.
- Ensuring that all technical and engineering requirements are met including the correct and timely performance of engineering tasks within the project
- Leading testing, commissioning, hand-over of the projects with recommendations and associated documentations
- Generating project closure reports upon completion, financial status against the expected benefits, project performance against its planned stage levels and tolerances, team performance, lessons learned and recommendations
- Managing project to meet cost, schedule, quality and contractual requirements to the satisfaction of the internal and external customers
- Implementing plans for annual turnarounds with focus on optimum utilization of manpower, material and timeline
- Taking stringent quality measures including preparation of necessary documents to ensure compliance with quality standards & customer requirement
- Creating & sustaining a dynamic environment that fosters development opportunities & motivating high performance amongst fellow team members

***Mar'06-Mar'17 with Saudi Kayan Petrochemicals, SABIC Affiliate, Al-Jubail, Saudi Arabia as Sr. Process Support Engineer & Sr. Project Engineer***

***Dec'88-Mar'06 with Madras Fertilizers Ltd., Manali, Chennai as Sr. Production Engineer***

#### **Growth Path:**

**1988-2000: Tech Assistant & Sr. Tech Assistant (Operations)**

**2000-2006: Sr. Production Engineer (Operations)**

#### **IT Skills**

- SAP, Meridium, MS Office, Smart Plant Foundation (SPF), 3D Novice and Pdf. Editor

#### **Personal Details**

**Date of Birth: 05th April 1967**

**Languages Known: Tamil, English & Hindi**

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