*Engineering Consultant Services*

*Mission : To provide optimized solutions besides quality services to client with understanding, thoughtfulness and trust.*

*Vision : To be a Consultant well known for providing ideal solutions to meet Customer needs & to resolve all challenges that Customer could come across.*

*Values : Integrity-Quality-Empathy*

*More About Me:*

A competent Mechanical Engineer with extensive experience of 14+ years in *Plant Engineering* in the field of Power Plants, Fiber Plants, WTPs etc. Possess a proven track record of executing projects with utmost client satisfaction and ensuring timely completion of the work while adhering to the technical as well as client requirements.

*What Services I Provide?*

* Heat & Mass Balance Diagrams, Water Balance Diagrams
* Development of P&IDs including Pipe sizing & pressure drop calculations
* Equipment sizing calculations & Procurement Specifications
* Piping Material Specifications
* Valve Specification & Schedule
* Bought-Out Specifications (Strainer/traps/instruments etc.)
* Tank & Pressure Vessel Design
* Interface / integration solutions
* Optimized solutions & Procurement Assistance
* Technical evaluation of suppliers
* Review of Vendors drawings & documents
* 3D Model Review

**PLANTECH CONSULTANT PVT. LTD., Pune: Nov 2011 – Dec 2019**

### KEY RESPOSIBILITIES AS PROJECT MANAGER

* + - Review of enquiry feasibility, preparation of project scope, quotation & proposals, review of Purchase orders after receipt of order.
    - Review of client documents & Coordinating with Client for technical clarifications.
    - Development of project schedule & resource planning.
    - Monitoring of workflow through project review meetings, review of manhours & adjustment of timelines & resources considering the needs of both client & the project team.
    - Guiding teams for development of project documents, calculations, specifications, layouts, stress analysis, supports, 3D Model etc.
    - Review of all deliverables through application of QA/QC documents to ensure quality assurance.
    - Providing technical direction to the teams throughout the project execution & resolving internal or external issues.
    - Coordinating with various disciplines & holding interdisciplinary meetings to ensure timely completion of the project activities.
    - Working closely with clients to resolve challenges around project development, to achieve project milestones & procurement assistance.
    - Monitoring the workflow of vendors to ensure timely completion & review of vendor documents to ensure quality assurance.

### KEY RESPOSIBILITIES AS PROJECT LEAD ENGINEER

* + Design Calculations like equipment sizing, pipe sizing, pressure drop calculations, pump sizing, PHE sizing, pressure vessel & tank calculations etc.
  + Preparation of specification for various equipments like Cooling tower, Pumps, PHE, piping, valves, Expansion Joints, strainers, PRDS etc.
  + Development of Specifications of various packages like Fuel handling, Compressed air system, Fire fighting etc.
  + Development of Plot Plan, Equipment layout, piping layout, MTO, stress sketches, Supports etc.
  + Review of all input documents including Vendor Drawings & Documents.
  + Checking of all deliverables as per SOPs & checksheets.
  + Supporting team for the timely Model reviews and maintaining the correctness by following SOPs.
  + Coordinating with Client for the project requirements & resolving the issues throughout the tenure of the project.

**Latest Projects**

**As Freelance Engineering Consultant :**

1. Pressure Vessel Design of capacity 200 m3 for New Edge Technologies, Pune.
2. Technical Specifications of Valves, Pipe fittings, Flanges, Instruments, Blowers, Juntion Box, cable trays etc. for Mekatronics Group, Pune.
3. Detail engineering of Chimney of 800 Dia, 20 Mtrs Ht. for New Edge Technologies, Pune.
4. Detail engineering of Chimney of 2400 Dia, 25 Mtrs Ht. for New Edge Technologies, Pune.

**Projects in Plantech Consultants Pvt. Ltd. :**

1. 1x175 MW & 1x60 MW CPP, JSW Dolvi for Thermax Ltd.

(Boiler & TG Area Piping Engineering including 3D Modeling)

1. UF-RO Plant for DTA-ETP DBN Project (Phase 2) for Thermax Ltd.

(Piping Engineering & 3D Modeling)

1. 2x120,000 TPA Viscose Fiber Plant, APR Rayon, Indonesia

(Viscose, Spinbath, Spinning Buildings & Balance of Plant; Basic Engineering including P&IDs, Equipment sizing and specifications for Pumps, Tanks, PHEs, PRDS, bought-outs etc. & piping detail engineering including 3D Modeling)

1. 24 KLPD Distillery Plant, Royal Casks Distilleries, Srilanka

(TG Area & Balance of Plant; Basic Engineering including PFDs, P&IDs, Equipment sizing and specifications & piping detail engineering)

1. 2 x 30 MW Thermal Power Plant, PT Mega Daya Tangguh, Indonesia

(TG Area & Balance of Plant; Basic Engineering including PFDs, P&IDs, Equipment sizing and specifications & piping detail engineering)

1. 3 x 110 TPH HRSG, BPCL, Kochi for Thermax Ltd.

(Boiler & Rack Piping Engineering including 3D Modeling)

1. Petronas Rapid Project, Malaysia

(Pressure vessel design using Compress Build 7510)

1. Clean Fuel Projects, KNPC, Kuwait

(Pressure vessel design using Compress Build 7510)

1. 3 x 55 MW Balingasag Power Plant Project, Phillipines for Thyssen Krupp Industries

(Steam Piping design & detail Engineering)

1. 1x 33 MW Captive Power Plant, Gulf Cement Company for Thyssen Krupp Industries

(TG Area & Balance of Plant Piping design & detail Engineering)

1. Illovo Distillery for Praj Ltd.

(Steam piping design & detail engineering)

1. Associated Alcohol for Praj Ltd.

(Steam piping design & detail engineering)