



**Experience
Engineering
Excellence**



Corporate Profile

ISO 9001:2015 Certified Company

About Engg Design

We are one of the leading design, analysis and engineering consultants with expertise across diverse domains including Oil and Gas, Refinery, Petrochemical, Automotive, Power, Aeronautics, Process Industries, Pharma Industries, HVAC, manufacturing, etc.

As practice, we adhere to standards / codes including ASME, API, BS, EN, IS, IBR, TEMA, ASME STS, NFPA & ISO codes.

We take pride in announcing that for special & critical objects / equipment / hydraulics, we provide solution for CFD as well as FEA.

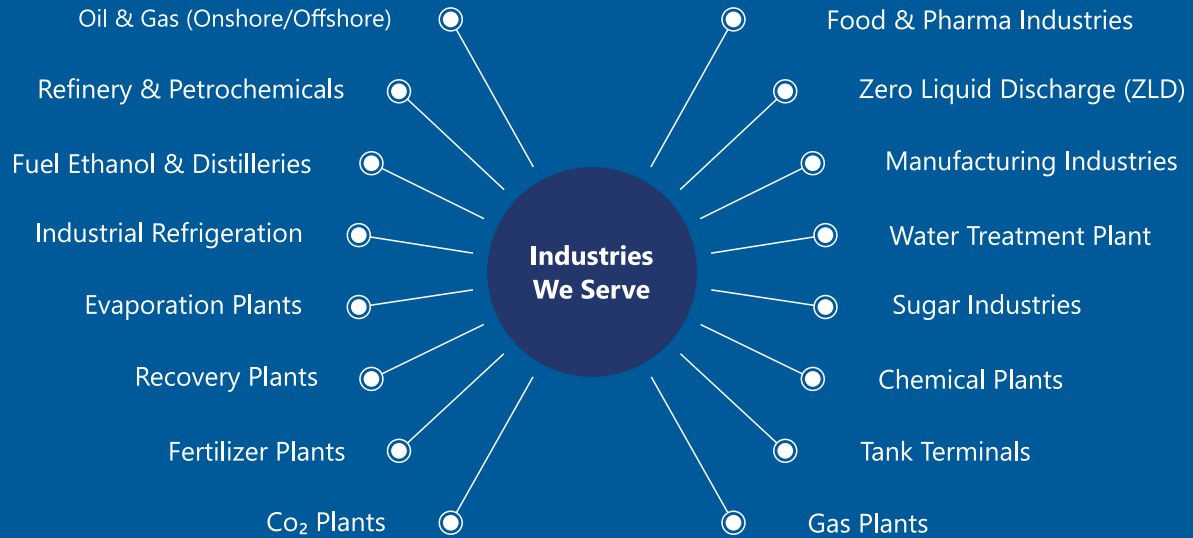
Our organization was established with the rich experience of engineers and technocrats from diverse fields. Over the time, we have catered for different industries ranging from Engineering, manufacturing and process industries in India.

EnggDesign developed dedicated & experienced team of engineers & designers with a solid commitment to excellence in all aspects of engineering services. Our company is based at Pune, INDIA and has been providing Engineering and Inspection services to a number of prestigious clients.

We have a wide range of engineering tools to deal with any of your engineering needs for design & analysis.



We adhere to stringent internal quality standards and procedures to ensure delivery of the highest quality work. We provide extended support all through process till construction of plants. Our dedicated project team allows for smooth working process and efficient communication apart from a single point contact for customer.



Engg Design Capabilities

- Feasibility / Conceptual Study
- Feed / Basic / Residual Engineering
- Detail Engineering
- Project Management Services
- Process Engineering
- Piping Engineering
- Mechanical Engineering
- MEP
- Civil / Structural Engineering
- Instrumentation Engineering
- Electrical Engineering
- Optimization Study
- Procurement Assistance
- Inspection Services



Process

- System Design (Evaporation, ZLD, CO₂, Recovery Plants)
- Development of PFDs / PIDs / PDSs
- Control & Shutdown Philosophy
- Cause & Effect Diagram / Safeguarding Philosophy
- Equipment Process Design
- Pumps / Lines Hydraulic Calculation
- Fire Water System Design
- Surge Analysis / Prepare Process Design
- Operating / Commissioning Manual
- HAZOP / HAZID Preparation & Participation
- Technical Bid Evaluation
- Vendor Document Review



Mechanical

- Design basis, Specifications, Datasheet
- Material Requisition
- Technical Bid Evaluation
- Detail Engineering Preparation
- Rotating Equipments Design
- Finite Element Analysis (FEA)
- Fatigue analysis
- Thermal analysis
- Computational Fluid Dynamics
- Vendor Document Review
- Shop / Site Fabricated Equipment Design.
- Column, Pressure vessel, Reactor
 - Sphere mounded bullet
 - Heat Exchanger
 - Scrapper Traps Launchers / Receivers
 - Special Surge Tank
 - Storage Tank
 - Vent Stack





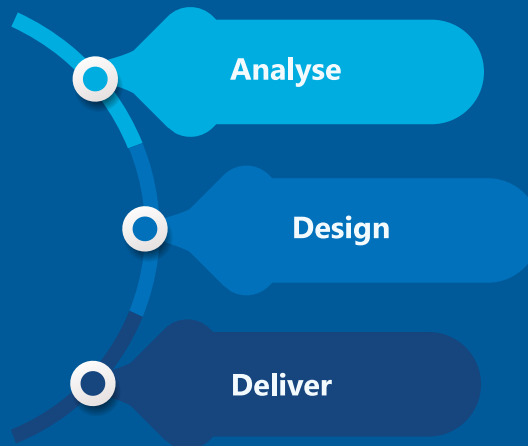
Piping & Pipeline

- Conceptual Plot Plan
- Equipment Layout
- 3D Modeling of Plants & Skids
- Wall Thickness Calculation
- Piping Layout, Plans and Sections
- Pipeline Alignment Drawings
- Isometrics & Support Standards
- Material Take Off / Bill of Material
- Stress Analysis
- Piping Specifications



Analyse, Design & Deliver

Continual learning and Excellence in transforming ideas into reality is our way to solve engineering problems. We are well prepared to handle the challenges in today's competitive market. Our major focus is customer satisfaction achieved through proactive response, positive relationships and quality consciousness. You can count on us for all your engineering needs, with promise from our side for Reliability and Promptness in Analyse, Design and Deliver



Engineering Standards

We use customer specific standards and internationally accepted standards and Procedures.

Our Prestigious Clients





Product Development

We convert ideas or concepts into products considering all aspects of product life cycle management i.e. innovation, load geometry, manufacturing processes, environmental operation, reverse engineering & retrofitting.



Agitator



Surge Vessel



Tank Breather



Customized Manhole



Quick Open Clousure

Software Capabilities





EnggDesign

ANALYSE DESIGN & DELIVER

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