



MeldTech Engineering

Mobile: +91 9638026767

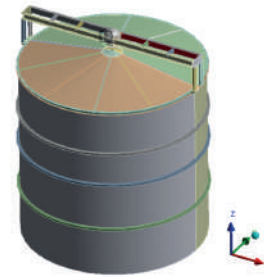
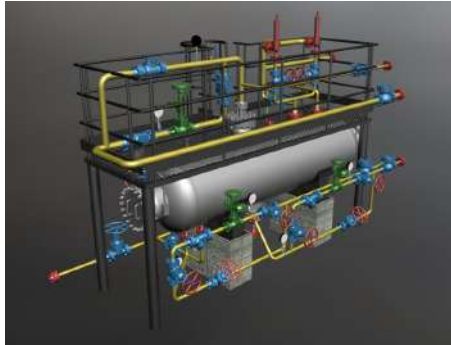
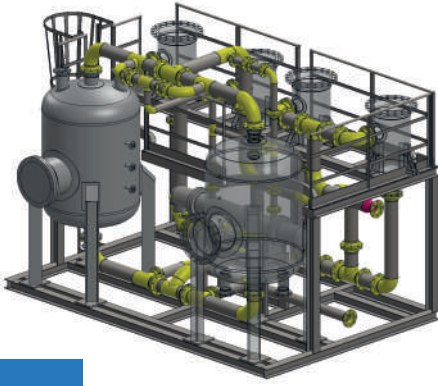
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Temple, Gotri Road, Vadodara, Gujarat - 390021



**MeldTech
Engineering**



Our Services

1) Process Designing

We provide complete details/data and drawings/diagrams including:

- Process Datasheet, Piping & Instrumentation Diagram
- Process Flow Diagram
- Thermal Calculations/Design
- PBU Design Calculations
- Vaporizer Design Calculations
- Material & Energy Balance
- Piping Service Index
- Utility Distribution Diagram

Codes, Standards & Regulations we design/work with:

- EN 13458, 13530 & 1251
- ISO 21009, 21029 & 20421
- ASME Section VIII Division 1 & 2
- API 620 & 650
- EN 13445
- ASME B31.1, B31.2, B31.3, B31.4, B31.5 & B31.12
- PD 5500
- TEMA
- IS 2825
- UL 142
- AD 2000
- ASCE, IBC, UBC 1997, IS 1893 & 875

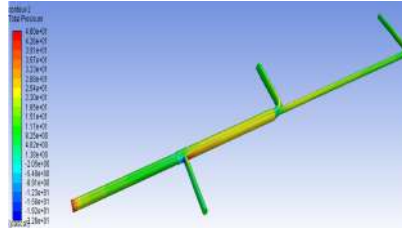
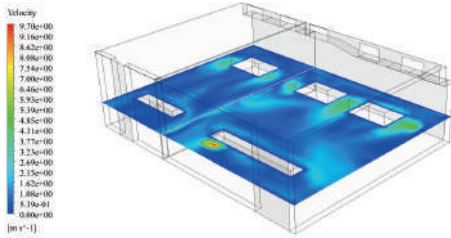
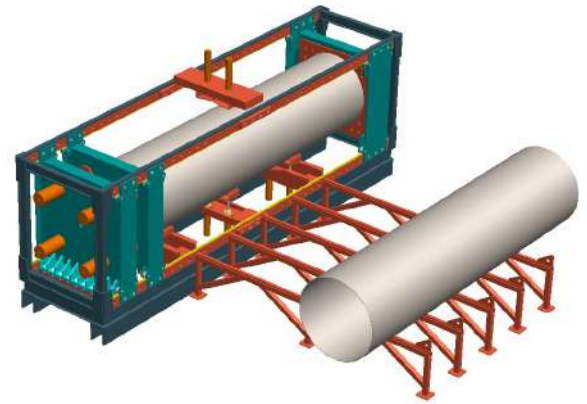
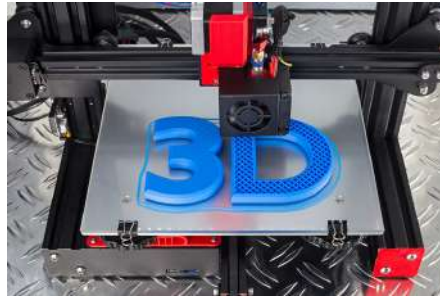
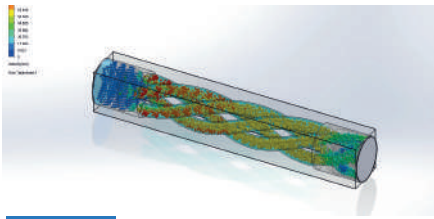
2) Pressure Vessel & Piping Designing

We provide complete details/data and drawings/diagrams including:

- Mechanical Datasheet & GA Drawing
- Internal & External Pressure Calculations
- MAWP/MAP Calculations
- Evaluation of Hydrotest, Pneumatic Test & Cold Stretch Pressure
- Mechanical Calculations
- Complete Pressure Vessel Design and Thickness & Strength Calculations (Shell, Dish Ends, Nozzles, Flanges, Supports, Suspension, Reinforcement Pads, Stiffeners, Lifting Lugs/Tailoring Lugs/Trunnion, Skirt, Saddle, Legs)
- Detail Weight Calculations
- Insulation Calculations
- Nozzle Orientation & Detail Drawing
- Detail Fabrication Drawing
- Development/Material Layout Drawing
- Piping Arrangement Drawing/Piping Layout Drawing (Plan & Sectional Drawings)
- Piping Material Specifications (BOM for Pipes, Valves, Flanges)
- Valve Calculations
- Piping Isometric Drawings
- Piping Support Details
- Detailed Cost Estimation

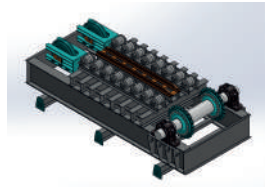
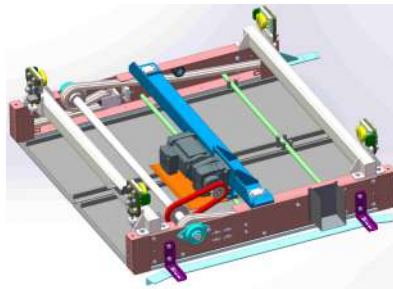
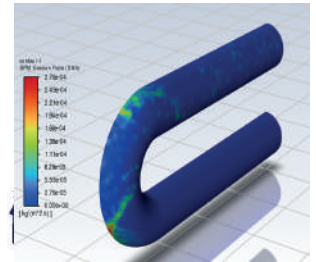
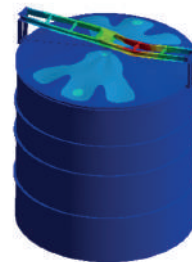


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Our Services

3) Stress & Flow Analysis

Our Expertise:

- Finite Element Analysis
- Computational Fluid Dynamics
- Pressure Vessel & Piping Stress Analysis
- Thermal Analysis
- Structural Stress Analysis
- Wind & Seismic (Earthquake) Analysis
- Mass Optimization
- Corrosion Analysis

4) Machine & Machine Elements Designing

Our Expertise:

- Reverse Engineering
- Product Development
- Structural Design
- 3D Printing
- Animation
- 3D Scan



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About As:

MeldTech Engineering with its in-depth knowledge in designing and adaptability to latest technology offers reliable & innovative services and end to end engineering solutions globally. We serve industries like Oil & Gas, Power Plants, Pharmaceutical & Medical, Dairy, Food & Beverages and Chemical. Our key people are the professional engineers who have served in relevant fields and have experience of more than six years in various disciplines like Process Design, Piping Design, Pressure Vessel Design, Machine Design, Finite Element Analysis and Computational Fluid Dynamics. Team has capabilities and expertise to develop and design Cryogenic Storage Tanks, Vaporizers, Heat Exchangers, Reactors, Distillation Columns, Piping Assemblies, Skids, Machines and Machine Parts.

We have grown our expertise not only in the engineering & designing of Cryogenic Storage Systems but we also provide total guidance & support for complete set-up of the manufacturing activities from the procuring the material till the dispatch of the product. We are conversant in designing Cryogenic Tanks (Static & Transportable) with Piping Assembly according to EN, ISO as well as ASME Code. What makes us unique from the other service based companies is that we believe in the overall development of our customer/client in the Cryogenic Field starting from the Complete Design to Cold Stretching, Perlite Filling & Helium Leak Testing of the Cryogenic Tank till the client develops their comfort zone.

Mission:

Think with clarity and courage, act decisively & on time, achieve goals with confidence & assertiveness and become the best preferred engineering & technology designing firm - applying insight, service quality and innovation to create sustainable growth for firm and customer

Vision:

To be customer's obvious choice by providing total designing and quality related solutions through innovative, reliable and outstanding services. To grow in a steady and responsible pace to a position of strength and prominence in our areas of operation.