LATENTECH















ISO 9001 - 2015

About Us

Latentech was founded in 2016.
We provide high quality and reliable engineering services and procurement services globally to customers in the energy and industrial sectors.

Latentech has been formed and surrounded by people who have more than a decade's experience of working with Japanese companies and understand the importance of a process-driven and transparent work culture which leads to a high-quality output.

We at Latentech strongly believe everything starts with people and ends with people.

The foundation of having a well laid out process for every, engineering and procurement service-based project that is being executed helps the company produce a desired quality service to the customer.



ENGINEERING

PROCUREMENT

INSPECTION

OUR STATEMENTS

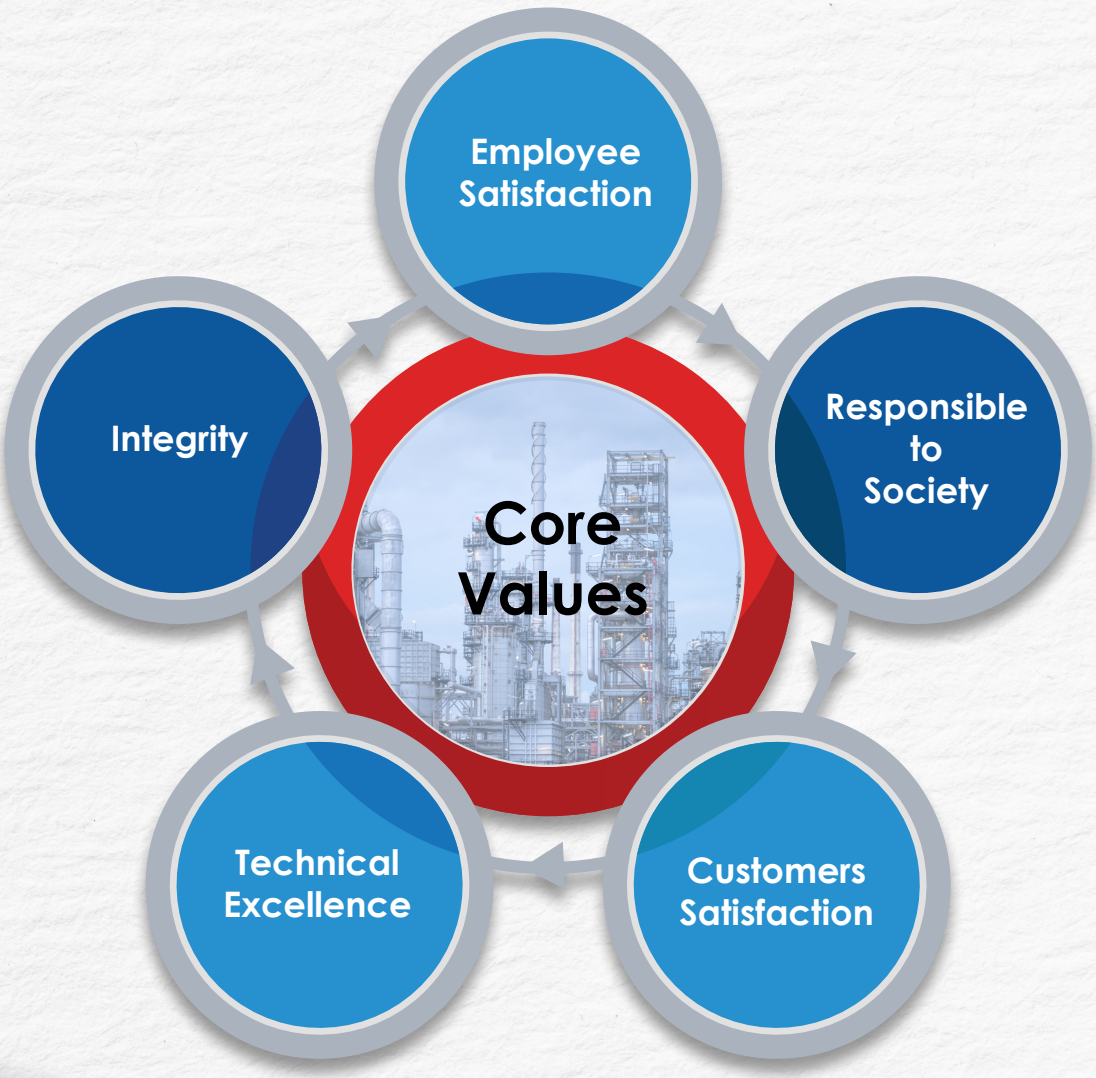


VISION

To be a globally recognized world-class/product manufacturing and total solutions consultancy organization

MISSION

"The best partner for Engineering and Procurement Solutions" by leveraging latest manufacturing technology delivered by best-in-class people.



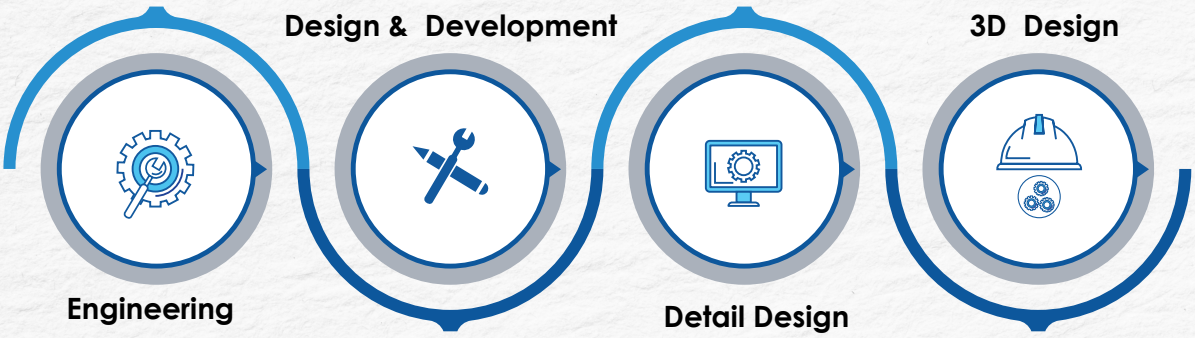
PORTFOLIO

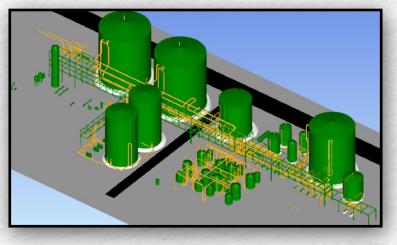
ENGINEERING

LT's engineering expertise in the energy sector is embellished with technically proficient engineers who work on the state of the art technology.

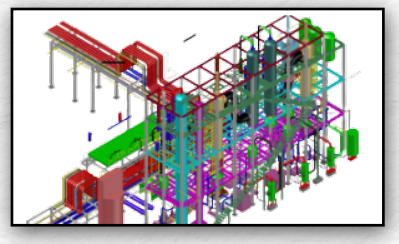
We provide design solutions as well as detailed engineering to give an exhaustive range of services to a diverse clientele.

We at Latentech follow the global best engineering practices.

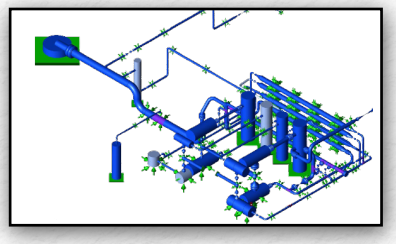




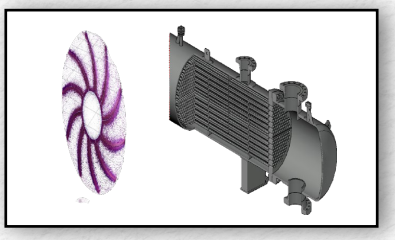
Plant Engineering



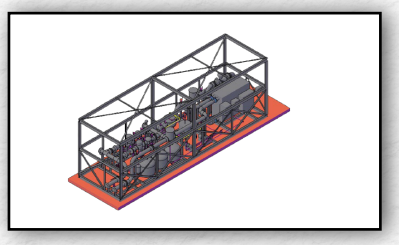
3D Modeling



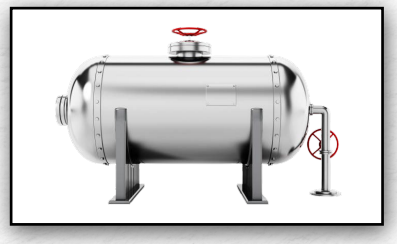
Pipe Stress Analysis



FEA & CFD Analysis



Skid Engineering



Equipment Design

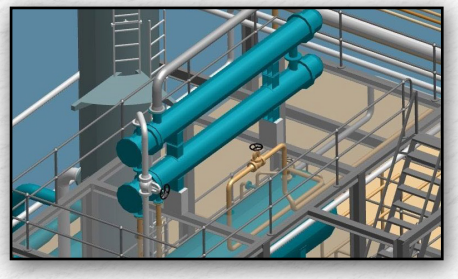
PORTFOLIO

ENGINEERING

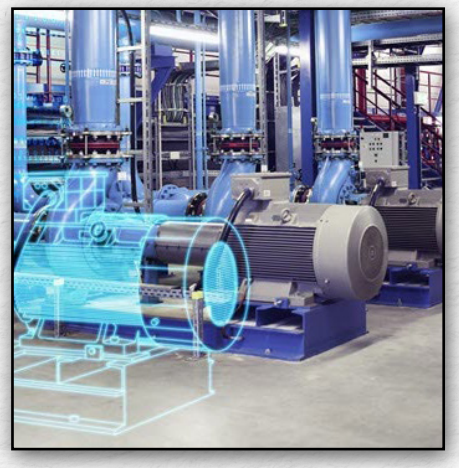
Our multidisciplinary team for engineering provides effective work on complete design of the plant, which includes,

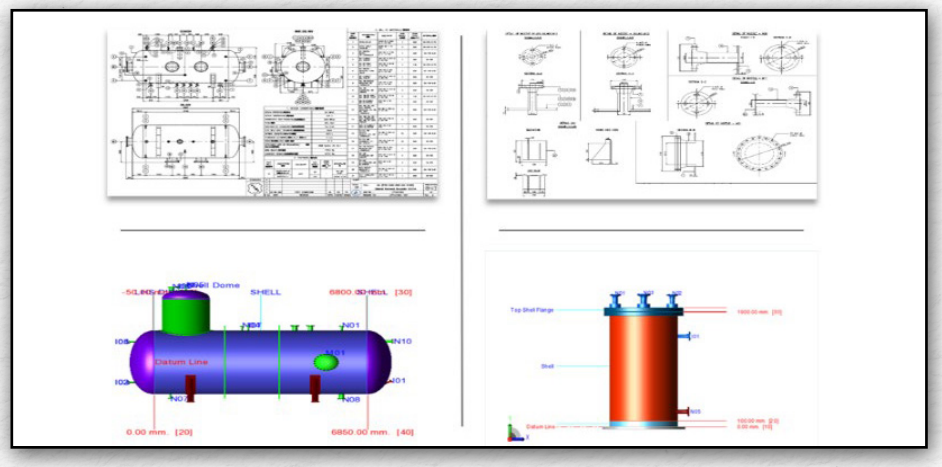
- Preparation of P & ID
- Preparation of Pipe Sizing & Static Calculation
- Preparation of Pipe Routing & Isometrics DWG
- Pipe Stress Analysis
- Equipment Layout Design
- Pipeline Design
- Plant System Design
- Sizing of Rotating Equipment
- Thermal Sizing of Static Equipment
- Preparation of Equipment & Static Calculation
- Preparation of GA, Fab & Welding Inspection DWG
- Preparation of Technical Specification/Data sheets
- Fabrication of Equipment
- Skid Manufacturing & Assembly
- FEA-Finite Element Analysis
- CFD-Computational Fluid Dynamics
- QA/QC support as per METI/EBA regulations
- Third Party Inspection
- Expedition











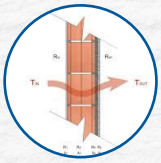
WORK STREAM COLLABORATION

SOFTWARE CAPABILITIES



2D Designing

Autocad, Inventor,
AVEVA



Thermal Calculation

HTRI



3D Modelling

Unigraphics, Catia,
Pro-E, Solid Works, Inventor



Analysis

Pipe stress Cal: CAESARII/Auto Pipe Mechanical
Cal: PVELITE, Pressel
Analysis: Hyper Mesh, Ansys



Plant Design

ACAD-Plant 3D, PDS, PDMS,
E3D, SP3D



General

Microsoft Office

CODES & STANDARDS

ASME

B 31.1,31.3,3.4 &31.8 Sec I, V, VIII (div I&II), IX.

TEMA

IBR

JIS

INFRASTRUCTURE

Live Video Conferencing Facility

File Server with Active Directory Control

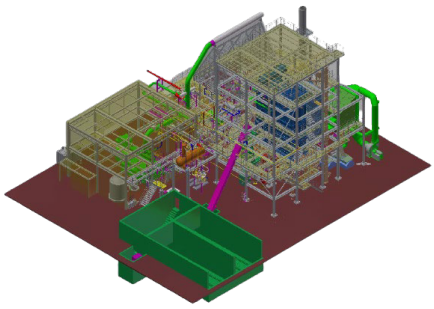
Auto Cad Online Viewer

Dedicated Online Google Drive

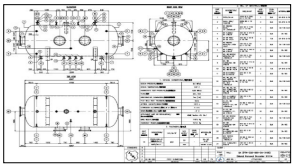
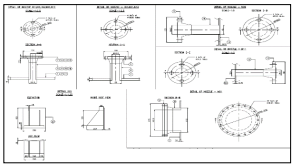
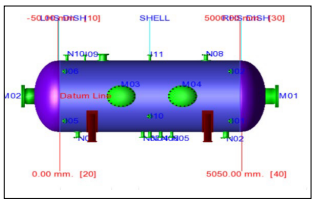
High Configured Workstations

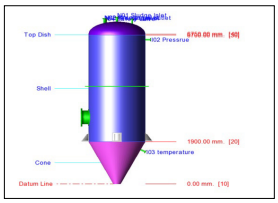
ENGINEERING

Piping Engineering & Multi-Discipline 3D Modeling for World's First Bamboo Bio-Mass Power Plant

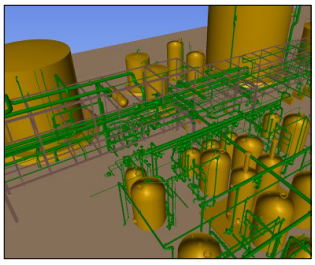
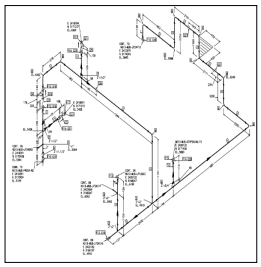


Design of Tanks (GA, Welding Inspection, Model)

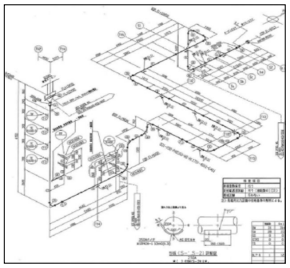
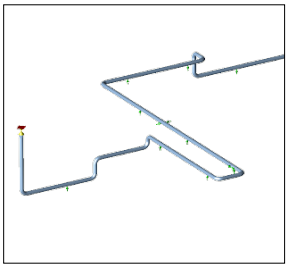






E3D Modeling for a Process Plant

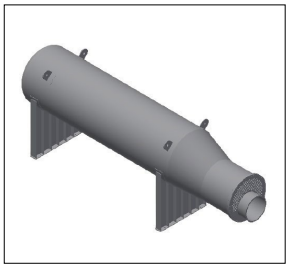
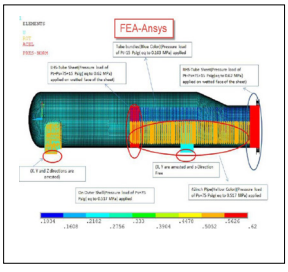



Piping Stress Analysis for Main Steam Piping

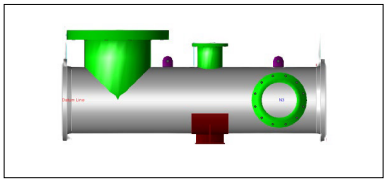
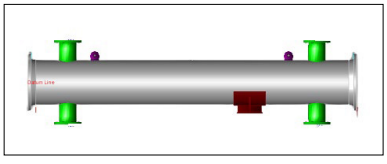
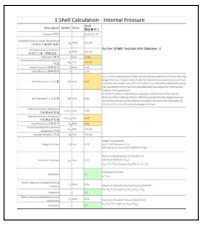



Design & Detail Engineering of Re-Boiler Which Include

1. 3D Modeling
2. Finite Element Analysis - FEA

Pressure Vessel


PROCUREMENT

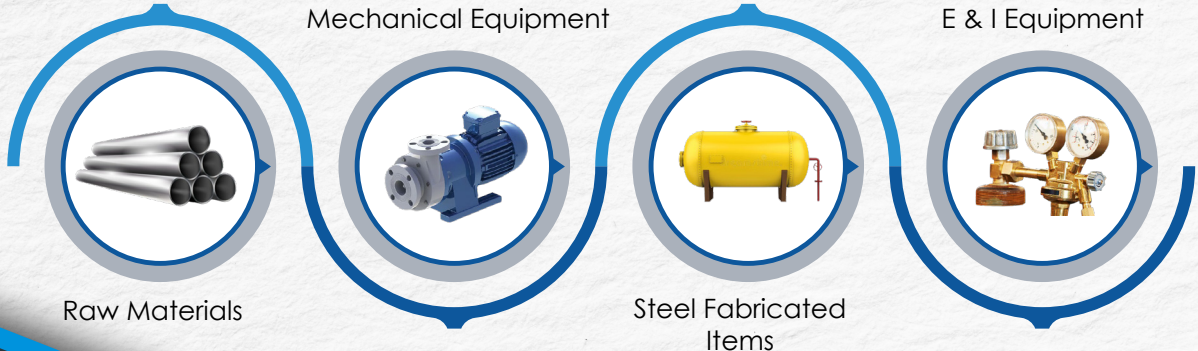


LT's procurement service provides sourcing, procurement management along with integrated inspection services.

Our process-oriented approach enables us to provide high-quality products while adhering to the committed schedule.

Our engineering division working hand in hand with the procurement team facilitates value-added service to the customer.





PROCUREMENT CAPABILITIES



Sourcing

- Supplier Identification
- Contract Negotiation
- Contract Management
- Supplier Management
- Logistics Management

Procurement Management

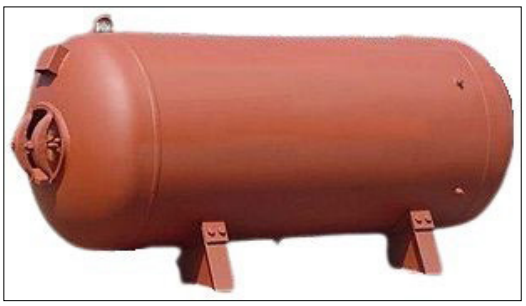
- Technical Spec. Evaluation
- Preparation of RFQ
- Offer Evaluation
- PO Release
- Schedule Management
- Customer & Vendor Coordination

Inspection

- Raw Material Test
- Witness at Various Stages of Manufacturing
- WPS, PQR & WPQ Check NDT Check
- Assembly Check
- Witness at Final Hydro and Pressure Test
- Functional & Performance Test
- Dossier/MRB Preparation
- Packing Inspection

PROCUREMENT

Pressure Vessels Heat, Exchangers Feed, Water Heaters, Surface Condensers, Tanks Etc...



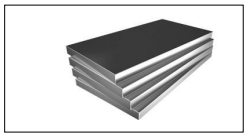
Pipe Fittings, Flanges, Gaskets, Fasteners Etc...



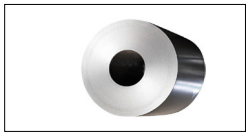




Pipes, Tubes, Plates, Rods Etc...











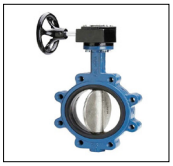


Valves, Strainers, Steam Traps





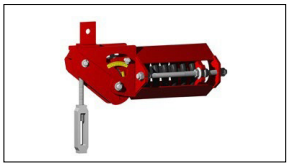


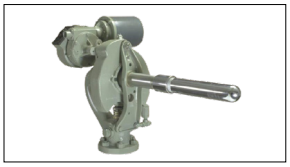




Silencers Soot, Blowers Pipe Support







Pumps





REWARDS

ENGINEERING :

- Design of Feed Water Heater & Surface Condensers for coal-fired plant.
- Plant design & 3D Model for world's first Bamboo Biomass Power project –Japan(1x2Mwe).
- As built services to clients in Netherlands.

PROCUREMENT :

- Procurement and on-time supply of Piping, Valves, Silencers, Steam Trap, Strainers, Fittings to Bamboo Biomass Power project-Japan (1x2Mwe).
- On-time supply of pipe fittings and roller fenders to client in the UAE.
- Supply of titanium sampling pumps to power and water utility company in Saudi Arabia.





Latentech: Leverages Latest Manufacturing Technologies

10 MOST PROMISING PROCUREMENT TECHNOLOGY SOLUTION PROVIDERS 2020

RECOGNIZED BY CIOReviewIndia

The growth of digital technologies and its positive effects on procurement has long been predicted as a trend in the procurement industry. In the coming years, the procurement function will continue to deliver on traditional cost savings while focusing heavily on digital technologies and supplier synergies. Latentech offers engineering and procurement service to customers in the energy and industrial sectors to minimize product development costs, reduce lead times, expand capacity, and optimize engineering resources availability. The foundation of having a well laid out process for every procurement and engineering service-based project that is being executed helps the company produce desired quality service. Latentech was built and is driven by individuals who have more than a decade of experience working and understanding the value of a process-driven and consistent work culture and contributing to high-quality production. The organization provides one-stop solutions, beginning from engineering to procurement, and believes in long-term relationships with customers and suppliers, building trust. As both the engineering and procurement sectors of Latentech work hand in hand, the distance between these two business models is bridged, while value-added service is being offered to customers. The organization primarily focuses on industrial sectors, energy, and renewable energy sectors such as Biomass & Geothermal power plants. "We strongly believe that 'everything starts with people and ends with people,' says Anand A, Head of Sales, Latentech.

Offers Evidence-Based and Proven Outcomes

Latentech offers procurement services such as sourcing, procurement management, and integrated inspection services. The organization does not only supply the customer's requirements but aims to travel an additional mile to offer value-added service. This is achieved by initially absorbing, describing, and assessing the customer's expectations in the best possible manner. This also helps Latentech provide consumers with a better alternative source/option and evidence-based and proven outcomes. For procurement services, the organization significantly advanced the design and supply of equipment for the world's first bamboo biomass power project in Japan. In engineering services, Latentech delivered the value proposition for projects like a 3D model generation from Drone data for the European UAV customers. Both in engineering and procurement services, Latentech is researching in-depth and evaluating customer specifications/requirements in terms of CAPEX, OPEX, maintenance, erection commissioning & logistics perspective, and purpose of the solution.

Delivers Latest Manufacturing Technology

The organization recognizes that everything/anything can be accomplished only with the support of the right people in the right job. Furthermore, the management of Latentech often assures, embraces, and inculcates teamwork as the company's core culture. "Our mission is to be the best partner for engineering and procurement solutions by leveraging the latest manufacturing technology delivered by best-in-class people," says Anand A, Head of Sales, Latentech. Latentech sees a progressive development market. To be precise, East Asian countries are showing greater interest in obtaining from India as the country's infrastructure and policies are turning out to be favourable for trade, despite the effect of the recent pandemic.

Upcoming Expansions and Developments

Latentech is developing in the renewable energy market. The organization has reservations about CO_2 emissions worldwide and is also looking to establish a sustainable energy paradigm that will help future generations. Latentech is now at the planning stage of the development of the procurement services platform. CR

LATENTECH



OFFICE LOCATIONS

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