



One end Engineering Solutions for Process Industries...

# ACOUTECH ENGINEERING (INDIA) PVT. LTD.

AN ISO 9001:2008 & ASME 'U' STAMP COMPANY

### REACH US

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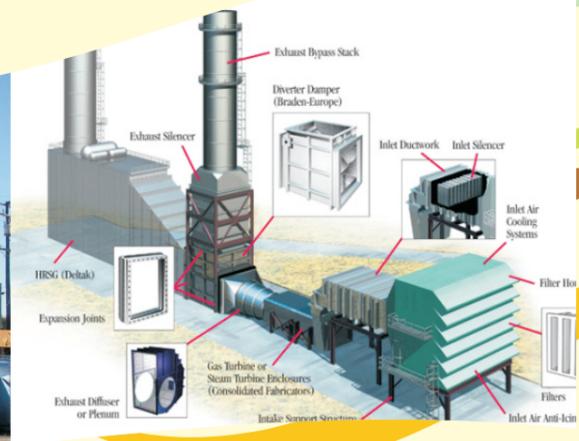
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### Clientele – Indigenous

- Aditya Birla Group
- ME Energy Pvt. Ltd.
- Greenply Industries Limited
- Indian Oil Corporation Limited
- Essar Engineering Construction Ltd
- Gamon India Limited
- Flowsolve India Controls Pvt. Ltd
- Bharat Petroleum Corporation Limited
- Vedanta Group
- Hi-Tech Engineering Corporation Ltd
- BGR Energy Ltd.
- Hindustan Petroleum Corporation Limited
- Reliance Industries Limited

### Clientele – Overseas

- Flowsolve US Inc, USA
- Dresser Valve & Instruments Co. Ltd, KSA
- GASCO, Abu Dhabi
- Saudi Aramco, Riyadh, Jubail
- Olayan Descon Industrial Co., KSA
- Technimont ICB, Italy
- Samsung Engineering, Korea
- Hyundai Engineering & Construction, Korea
- Petrofac LLC, Sarjha, UAE
- Black & Veatch, USA, Korea
- Punj Lloyd Limited, UAE
- G. S. Engineering & Construction, UAE
- DELP Engineering & Constructions, Brazil



### OUR PRODUCTS

- INDUSTRIAL SILENCERS
- ACOUSTIC ENCLOSURES
- SURGE PROTECTION SYSTEMS
- MATERIAL HANDLING EQUIPMENTS
- PRESSURE VESSELS (UNFIRED)
- PROCESS VESSELS & LINED VESSELS
- STORAGE TANKS & REACTORS
- HEAT EXCHANGERS & SCRUBBERS
- OFFSHORE VESSELS & CONSTRUCTION

### OUR SERVICES & SCOPE OFFERED

- DESIGN & ENGINEERING
- MANUFACTURING & CONSTRUCTION
- SUPPLY & INSTALLATION
- SITE ERECTION & COMMISSIONING
- SUPPLY CHAIN MANAGEMENT
- PROJECT MANAGEMENT

### INDUSTRIES INCLUDES

- OIL & GAS (UPSTREAM & MID STREAM)
- PETROCHEMICALS & REFINERIES
- FERTILIZERS & CHEMICALS
- POWER & STEEL
- PULP, PAPER & SUGAR
- WATER & HEAVY ENGINEERING
- OTHER PROCESS INDUSTRIES

### Group Companies



### Certifications



CR. No.: 44 100 098675 - E3  
An ISO 9001:2008



CR. No.: 39875  
ASME 'U' STAMP

[www.acotech.in](http://www.acotech.in)



## ABOUT US...

Acotech Engineering (India) Pvt. Ltd. (ATEI), is an ISO 9001:2008 & ASME 'U' Stamp certified an Indian company established in year 2002. We at Acotech Engineering (India) Pvt. Ltd. (ATEI), providing one end complete solution for all process Industries for noise control, surge control, material handling and other engineering solutions. ATEI had started its operation from small enterprise. Today we have wide range products & developed new segments in our product line. From the beginning we have put our efforts into design & technology.

We also introduce our business into material handling & further into surge protection systems with our group companies AUM CONTROLS & EQUIPMENTS PRIVATE LIMITED & ARVEETECH ENGINEERS & CONSULTANTS, ARVEE ENGINEERING & CONSTRUCTION LIMITED. We have state of art computerized design & excellent fabrication facilities at our Vatva- Ahmedabad & Navi Mumbai plant. Wide range of products & services makes our presence in all most of the industries worldwide such as Oil & Gas, Petro-Chemicals, Refineries, Fertilizers, Chemicals, Steel, Power, Water Boards, Municipal Corporations, Manufacturing & Heavy Engineering, Transportation etc. We strictly drive our business with our global business ethics. Our prime concern is to achieve 100% customer satisfaction with maximum utilization of available resources, cost effective & environmental friendly operations.

Today we are more than 50 people team including qualified engineers, executives, supervisors & skilled labors. We are currently doing 100 m INR yearly turnover.

## QUALITY POLICY

We at Acotech Engineering (India) Pvt. Ltd., committed to provide customized & sophisticated engineering solution with up to date technology, economic & environment friendly applications to the various process industries across the globe. We ensure our customers for each of our product/service is complying with various relevant national & international standards & safety measures.

## INDUSTRIAL SILENCERS & ACOUSTIC ENCLOSURES

We are pioneer in to providing customized solution for control of noise. Our company name Acotech derived from word acoustic technology. We undertakes design, manufacture, supply of various kinds of Industrial silencers and acoustic enclosures. Silencers are used to control noise generating due to motion of fluids such as high pressure steam, Air, or any other gas due to various reasons such pressure drop, resonance etc. We do design & manufacture custom based Vent Silencers, Control Valve Silencer, Compressor Inline Silencer, Reactive Silencers, Gas diffuser Silencers, exhaust silencers for different applications such as venting of steam, compressor, blowers, and exhaust fans etc. we can design & supply up to 1000 C temperature, 1500 MTPH flow capacity & 300 bar pressures.

### Kinds of Silencers

Steam Vent Silencer, Gas Vent Silencer, Air Vent Silencers, Gas Diffusers, Control Valve Silencer, Reactive Silencers, Compressor Inline Silencers, Exhaust Silencers, Stack Silencer etc

## PRESSURE VESSELS, REACTORS, TANKS, HEAT EXCHANGERS & SCRUBBERS

We are ASME 'U' Stamp certified manufactures of Pressure vessels (Unfired) and process reactors. We have state of art design, engineering and manufacturing facility to manufacture up to 200 m<sup>3</sup> pressure vessels with all international standards. Pressure vessels MOC & thickness is selected from the process parameters and as per standard. We also manufactures lined vessels, tanks, scrubbers, reactors & equipments specially for corrosive & abrasive applications like Rubber lined, Glass Lined, Cement brick Lined etc as per the clients specification in association with our business partners.

### Codes & Standards Used

ASME Sec VIII Div 1 & 3, PD 5500, IS 2825, ASME B.31.1 , ASME B31.3

### Competency

We can manufacture up to 200 m<sup>3</sup> single vessel, 500 C temperatures & 100 bar pressures application. We also offers wide range of other process equipments such as heat exchangers, process tanks, storage tanks, lined vessels and tanks, scrubbers and other custom based engineering equipments for all kind of process industries. We also undertakes jobs with various Third Party Inspection / Project Consultants like Bureau of Varitas, TUV, Simon India, UHDE India, Mott-mac Donalds, EIL, TOYO Engineering, Jacobs etc. We also offers services like In-situe Construction, Erection, Commissioning & Installation to the various process Industries like Oil & Gas, Petro-Chemicals, Refineries, Fertilizers, Chemicals, Steel, Power etc as per consultant or end user guidelines.

## SURGE VESSELS AND SURGE PROTECTION SYSTEMS

Surge is also called water hammer or hydraulic transients is occurring in close conduit or pipe flows associated with rapid changes in discharge in pipe. Rapid changes in discharge causes transient pressure which may some times burst the pipe or shrink the pipe due to negative surge. To overcome this problem, the surge protection system is required. We provide Air vessels type of surge protection system which is superior in all other kinds of surge protection systems. This systems includes Air Vessels (Surge Vessel), Air compressor & fully automated control panel. Air vessels & compressor capacity is designed on the basis of detailed surge analysis report. Surge vessels may be from 5m<sup>3</sup> to design requirement depends upon the length & diameter of pipelines, flow-rate, Static head, L-Sections, pumping pressure etc. Surge vessels are designed as per ASME Sec VIII div 1 or PD5500. We do design, manufacture, supply including site erection & installation of surge protection systems on the basis of surge analysis report. We also undertakes to prepare Surge analysis report with our internal design team & in association with several professional institutes like IISc Banglore, IIT Kanpur, IIT Kharagpur, IIT Delhi etc.

### Application:

Air Vessels (Surge Vessel) is partially filled with water & partially filled with compressed air supplied by Air compressor. The water level inside the vessel is monitored by the water level gauges which detects the level of water. The supply of pressurized air is controlled by the control panel. The pressurized air provides cushioning to the surge pressure or hydraulic transient and minimize its impact on the downstream pipeline in both the cases negative surge & positive surge. The system is normally placed near pump house to ease monitoring & maintenance. Surge is occurred in raw water, Savage water, drinking water and hydrocarbon long length pipelines. The Vessels are manufactured as per international pressure vessel codes and standard to ensure the quality of the manufacturing & satisfactory performance. We also work under third party inspection agencies worldwide. We undertake design, engineering, manufacturing including site erection, commissioning & testing of surge protection system.

## MATERIAL HANDLING EQUIPMENTS

Our Material handling division undertakes design, manufacture, supply, erection, commissioning of material handling equipments such as EOT cranes, Manual cranes, convayor belts, gear boxes etc. we have state of art design & manufacturing facility to manufacture EOT cranes up to 100 MT pay load capacity. We also undertakes AMC (Annual Maintenance Contract), repair, maintenance and replacements of parts contracts worldwide. These equipments are highly engineered and design for safety, trouble-free and customer friendly operations. We are having more than 8 years of experience in this specific business group.

### Application:

Loading, unloading & handling of heavy equipments, bulk materials, specialize structures inside the plant area is very difficult and economic not viable. To overcome this problem we have solution for custom design based EOT (Electric Operated Traveling) cranes & other material handling equipments and solution. We also repair & takes AMC contracts worldwide. We strictly follow various international standard to ensure quality & satisfactory performance of our equipments. We also manufactures & supply all kind of spares for cranes, gear boxes, hoists, guiders etc.

## ENGINEERING SERVICES AND PROJECT MANAGEMENT

Being Engineering Solution Providing Company & further to meet our management objectives, we also Provides Design, Engineering, Site erection & Commissioning, Testing & Installation services to the various kinds of process industries. We are also providing project management, procurement assistance services to our valuable clients. In short we can provide total engineering solutions.

We undertakes lump-sum contracts for supply, erection & commissioning of Piping & equipments like pressure vessels, tanks, reactors, heat exchangers, scrubbers & other engineered equipments etc at site. We also are providing out-sourcing & procurement services to the various kinds of industries.

Please contact our Project department for further assistance.