Dehu Engineering (India) Private Limited

Multi-Product Manufacturing Solutions

Dehu Engineering (India) Private Limited
Joyfully Celebrating
18 Years of
DEHU
Excellence since 2007



- Multifaceted Engineering Solutions
- Economic Solutions for your Business
- Integrated Manufacturing and Machining Facility

More Info

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www.dehu.in

About Us



Multifaceted Manufacturing Expertise - High-Quality Fabrication and Manufacturing Services for Equipment, Components and Pressure Parts.

Global Presence - Serving both Domestic and International Markets.

Certified Quality - Approved by ASME, Indian Boiler Regulations (IBR) and other benchmarks.

Eco-Friendly Solutions - Solutions that help reduce energy consumption and support a more sustainable future.

Reliable Service - Customised and economically efficient products that meet the specific requirements of our clients.

Engineering Solutions - State-of-the-art engineering solutions with a focus on advanced boiler manufacturing and related equipments. Our expertise ensures innovative, safe and customised solutions for a wide range of industrial applications.

Our Journey Towards Excellence





We are a Globally Renowned, Multifaceted Manufacturing unit headquartered in Pune, India, with proven expertise in producing Boilers and Various Pressure Parts components that conform to ASME, Indian Boiler Regulations (IBR) and other benchmarks.

Our Multimodal facility is dedicated to Manufacturing Top-Quality Equipment and Pressure Parts for both Domestic and International Markets. We cater to a wide range of sectors including Energy, Oil & Gas and Process Industries, providing customised solutions that are tailored to the specific needs of each client.

We are committed to providing reliable and unmatched economic solutions that optimise energy consumption and maximise sustainable profitability.

With Best Regards,

Kasiraj Ganapathy
Managing Director

Certifications

- Boiler Manufacturer, Class 1 – Water Tube Boiler upto 125 Kg/Cm² (g)
- Boiler / Economiser Repairer, Class 1 – Pressure upto 125 Kg/Cm² (g)
- Economiser Manufacturer, Class 1 – Pressure upto 125 Kg/Cm² (g)
- Pipe Fabricator, Class 1 – Pressure upto 125 Kg/Cm² (g)
- Pressure Part Manufacturer – Special Class Pressure > 125 Kg/Cm² (g)
- Pressure Vessel Manufacturer – Special Class Pressure > 125 Kg/Cm² (g)
- Plates & Flanges, Upto 1000 NB

ASME

ASME 'S'

ASME 'U'

ASME 'R'

IBR (Indian Boiler Regulation)

ISO 14001 : 2015

ISO 9001 : 2015

OHSAS 45001 : 2018

Accomplishments



- 800+ Customers Across India and Abroad
- 30,000+ Tons of General and Non Pressure Parts Fabrication
- Multiple Boilers Supplied of Various Capacity
- Multiple Steam & Water Drums and Shells
- 600+ Headers
- 200+ Waterwall Panels
- 80,000+ Bed Coils and Bed Super Heaters
- 10,000+ Economiser Coils
- 30,000+ Bank Tubes
- 5,000+ Superheater Coils
- 1,00,000+ Boiler Bends
- Multiple Nos of APH Assembly, Pressure Vessels & Tanks
- Multiple Nos of Heat Exchangers
- Multiple Nos of Sporger Headers Assembly
- Multiple Nos of Expansion Joints & Dampers
- Various Pressure and Non Pressure Parts Spares

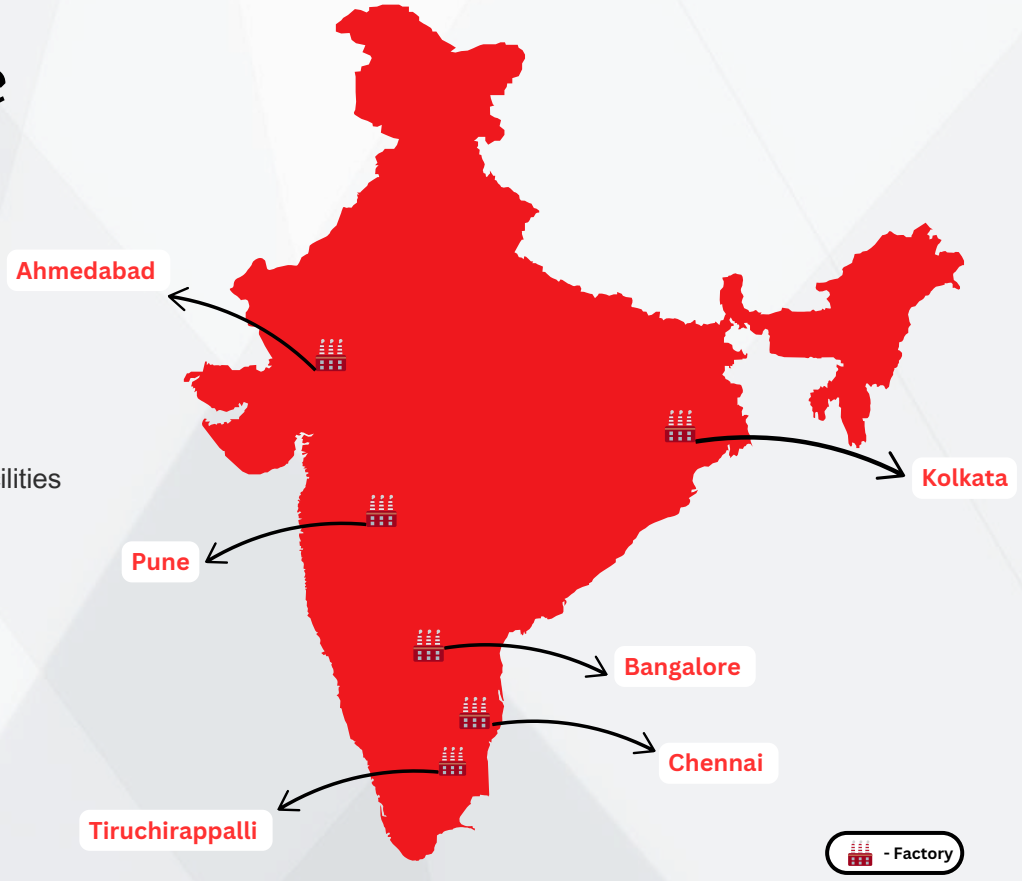




Infrastructure

(Pune)

- 1,00,000 Sq. Feet Land
- 35,000 Sq. Feet Covered Shed
- 200 HP Power/200 KVA DG Backup
- 16 MT EOT Cranes
- 14 MT Hydra Cranes 3 Nos
- SMAW / TIG / MIG / ARC Welding Facilities
- Multiple Tube Bending Machines
- Multiple Welding Machines
- Multiple Radial Drill Machines
- Multiple Conventional Lathe Machines
- Multiple CNC/VMC Machines
- Multiple Bandsaw Machines
- Equipped with many more facilities for Manufacturing



* Other infrastructure details are not given here.

Capacity

Factory Name	Location	Pressure Part Per Annum Capacity - MT	Non-Pressure Part Per Annum Capacity - MT	Equipments Capacity- MT
Dehu Engineering (India) Private Limited	Pune	5000	8000	1200
Trois Plus industries	Ahmedabad	600	600	200
Vaitheeswaran Industries (OPC) Private Limited	Tiruchirappalli	1200 (Non-IBR)	1500	300
Flowsun Equipment & Services	Chennai	600 (Non-IBR)	2000	1200
ASMET Industries Private Limited	Bangalore	600 (Non-IBR)	800	300
Mita Developer & Fabrication	Kolkata	-	600	600

Product / Project Management



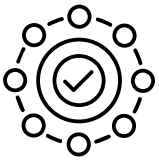
Product Selection

We believe in a client-focused approach to product selection. Our clients select the product based on their requirements, and from there, we begin our further process.



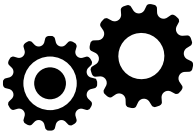
Product Design

We take a thorough and detailed approach to product design to meet client requirements and exceed expectations in terms of quality.



Optimisation

We are committed to providing our clients with the most efficient and cost-effective solutions to support their success.



Manufacturing

We work tirelessly to create the best product quality, delivering engineering solutions that are specifically suited to each industry we serve.



Installation and Commissioning

We offer assistance to our clients for these important steps, tailoring our support to the specific requirements of each individual project.



After Sales Service

We believe in providing exceptional after sales service, ensuring that our clients receive the support they need even after the sale has been made.

Major Machineries, Testing & Handling

- Multiple Tube Bending Machines
- Multiple Radial Drilling Machines
- Multiple Conventional Lathe Machines
- Multiple CNC / VMC Machines
- SMAW / TIG / MIG / ARC / SAW / Stud Welding Facilities
- Welding Machines Equipped with many more facilities for manufacturing
- All kinds of NDT testing
- 16 MT EOT Cranes 14 MT Hydra Cranes







Business Verticals



Pressure Parts Spares with IBR Certificates

We offer certified Pressure Parts spares for existing Boilers and Power Plants, delivering exceptional performance and enhancing operational continuity.



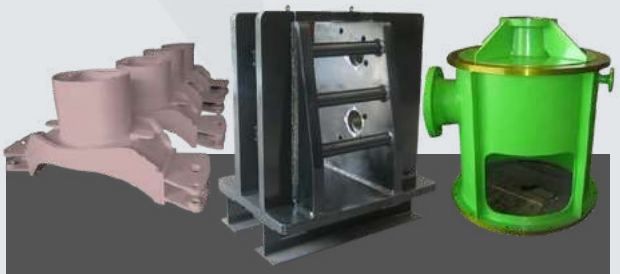
Boiler and Power Plants Complete Solutions (EPC)

We offer end-to-end Engineering, Procurement and Construction services for Boiler and Power Plant projects, delivering top-notch results and maximising operational efficiency.



Products with Design & Supply

We offer comprehensive design and supply services for cutting-edge products, delivering customised solutions that cater to unique requirements and expectations.



Heavy Engineering

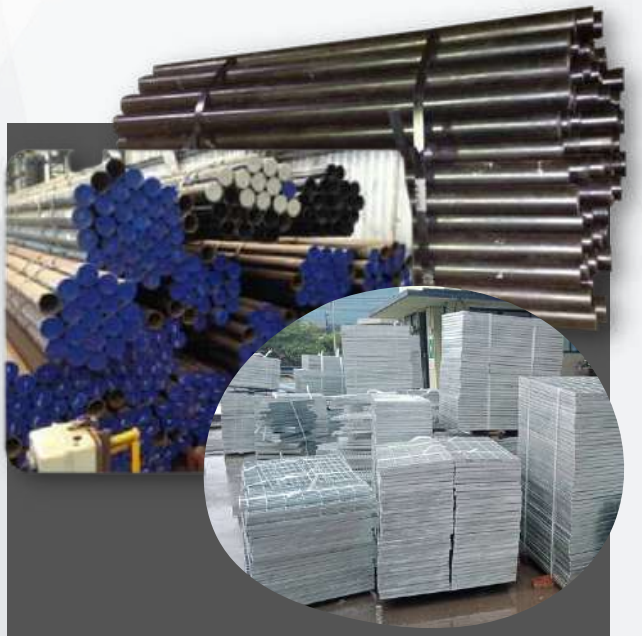
We are specialised in delivering heavy engineering solutions through the design and manufacture of customised products, delivering top-notch results and exceeding expectations.

Business Verticals



Services

We offer exceptional site work services, delivering skilled solutions and exceptional results for a vast array of needs.



Trading

We are specialised in the procurement and distribution of premium engineering products and raw materials, delivering seamless access to a diverse range of essential resources.

Products



Package Type Boiler

Specifications

- Type: Shell Type with Internal Furnace
- Capacity Range: 0.5 TPH to 6 TPH
- Pressure: 10.5 kg/Cm²(g) to 17.5 kg/Cm²(g)
- Fuel: Coal, Wood, Husk, Natural Gas
- Feeding System: Manual | Feeder | Burner

Key Characteristics

- Single & Simple Construction
- High Efficiency - Less Fuel Cost
- Easy Operation & Maintenance
- Shop Assembled, Less site work



Combo Package Type Boiler

Specifications

- Type: Shell Type with Water Wall Capacity
- Range: 2 TPH to 12 TPH
- Pressure: 10.5 kg/Cm²(g) to 21 kg/Cm²(g)
- Fuel: Coal, Wood, Husk, Oil & Gas
- Feeding System:
  Manual | Feeder| Burner

Key Characteristics

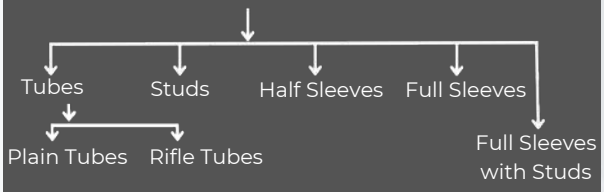
- Simple Construction
- High Efficiency - Less Fuel Cost
- Easy Operation & Maintenance
- Multi Fuel Operating Options

Products



Bed Coil

Specifications



Specifications of Tubes:

1. Size of Tubes:
Ø 50.8 | Ø 51 | Ø 63.5 mm
2. Thickness of Tubes:
4.06 | 6.35 | 8.00 mm
3. Material of Construction:
   - SA 210 Gr. A1, SA 210 Gr C
   - BS 3059 / Gr 360 Seamless

Specifications of Studs:

1. Size of Studs:
Ø 8 | Ø 10 | Ø 12 mm
2. Length of Studs:
8.0 | 10 | 12 | 16 | 19 | 20 | 22 mm
3. Material of Construction:
   - SAE 1018
   - SS 304
   - SS 310
   - SS 316



Cogeneration Boilers

Specifications

Type: FBC / TG / DG / PG / WHRS
Capacity Range: 10 TPH to 150 TPH
Pressure: 10.5 kg/cm to 87 kg/cm(g)

Fuel:
- Coal
- Lignite
- Wood
- Husk (Any Biomass Fuel)
- Waste Heat

Feeding System:
- Fluidised Bed
- Travelling Grate
- Dumping Grate
- Pulsating Grate

Waste Heat Recovery System
Benefits:

- Superior Efficiency
- Multiple Fuel Capacity
- Innovative Bed Evaporator
- Enhances Steam purity
- Adaptable Filing option
- Over Bed Feed
- Under Bed Feed

Products





Drums

Steam Drum | Water Drum

Pressure:
10.5 to 87 Kg/cm^2(g)

Temperature:
Saturation Temp to Required Temperature

Thickness:
Manufactured upto 75mm

Material of Construction:
- SA 515 Gr 70
- SA 516 Gr 70



Economiser

Size of Tubes:
Ø 25.4 |Ø 31.8 | Ø 38.1 | Ø 44.5 | Ø 50.8 mm

Thickness of Tubes:
3.25 | 3.66 | 4.06 | 4.50 | 5.00 mm

Material of Construction:
- BS 3059 Gr 320 ERW
- BS 3059 Gr 360 Seamless
- SA 210 Gr A 1 Seamless

Products



Fin Type Heat Exchanger

Super Heater | Economiser | Evaporator | Air Preheater

Types of Fin:
1. Serrated Fin
2. Spiral Fin
3. Circular Press Fitted Fin
4. 'H' Type Square Fin

Fin Type:
1. Waste Heat Recovery Boilers
2. Hot Water Generators
3. Hot Air Generators



Headers

Waterwall | Bed Super Heater | Economiser | Evaporator | Bed Coil | Steam Distribution Header | Convention and Radiant Super Heater

Size of Header:
As per the client's requirement

Material of Construction:
- SA 106 Gr B
- SS 335 P 11
- SA 335 P 22



Super Heater

Operating Temperature:
Saturation Temperature to 550 C

Pressure:
30 Kg/cm² to 87 Kg/cm²(g)

Thickness:
3.66 | 4.06 | 4.50 | 5.00 | 6.35 | 8 mm

Material of Construction:
- SA 210 Gr A 1
- SA 213 T 11
- SA 213 T 22
- SA 213 T 91
- SA 213 TP 347 H
- SA 213 TP 304 H

Products



Water Wall / Membrane Panel

Specifications of Tubes:
Size of Tubes: Ø 50.8 | Ø 63.5 | Ø 76.2 mm

Thickness of Tubes: 3.25 | 3.66 | 4.06 | 4.50 | 5.00 mm / 6.356mm

Material of Construction:
- BS 3059 ERW
- BS 3059 Seamless
- SA 210 Gr A1

Specifications of Fins:
Thickness of Fin: 5.0 | 6.0 mm
Material of Construction: IS 2062



Air Preheater

Tubes | Ferrules | Tube Sheet | Casing

Specifications of Tubes:
Size of Tubes:
Ø 34 | Ø 48.3 | Ø 50.8 | Ø 60.3 | Ø 63.5 mm

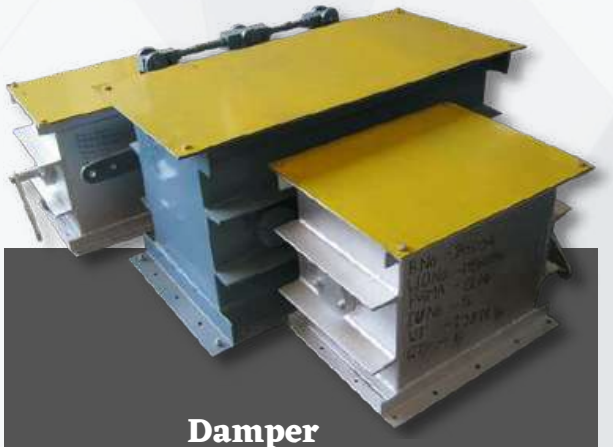
Thickness of Tubes:
2.03 | 2.34 | 2.50 | 2.64 | 3.00 mm

Specifications of Ferrules:
Size of Ferrules:
As per the client's requirement

Thickness of Ferrules:
1.0 | 1.5 | 2.0 mm

Material of Construction:
- SS 304
- SS 310
- SS 316

Products



Damper

- Single Flap Damper
- Multi Louver Damper

Size of Damper
As per the client's requirement

Material of Construction

- IS 2062
- SS 304



Tanks

- Feed Water Tanks
- Evaporator Tanks
- Blowdown Tanks
- Flash Tank

Size of Tank
As per the client's requirement

Material of Construction

- SA 516 Gr 70
- IS 2062
- SA 240 Gr 304



Equipments

- ID Fan
- FD Fan
- Aerofoilmeter
- Screw Conveyor
- Bag Filter
- Other Customised Equipments



Products



Silencers

Hydraulic sizing:

- Flow rate, valve set pressure and temperature
- Saturated or Superheated Steam
- Other gases: oxygen, methane

Type of Application:

Safety:
Intermittent operation Control, start-up and blow down regular or continuous operation

Pressure Drop / Back Pressure:

- Valve integrity factor
- Control and Stabilisation of process condition

Material Specification:

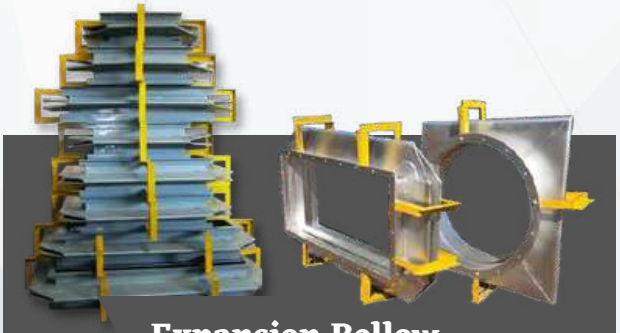
- From low temperature to high temperature
- Corrosion allowance

Noise Guarantee details:

- Point of measure
- Pipe noise interference

Pipe Connections:

- Butt Welds
- Flanges
- Counter Flanges / Seals and Bolts



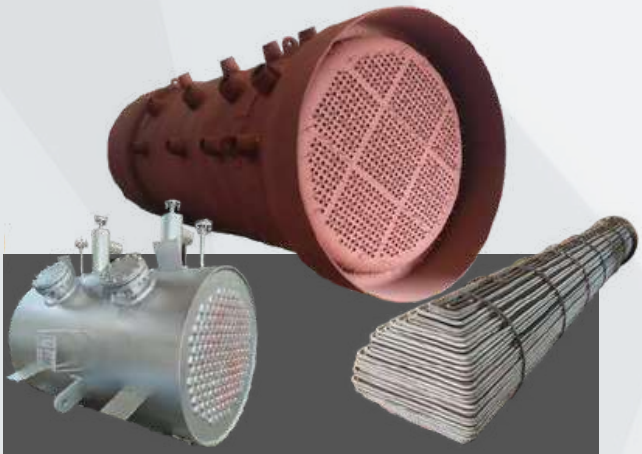
Expansion Bellow

- Metallic
- Non Metallic

Size of Expansion Bellow:
As per the client's requirement

Thickness:
1.0 | 2.0 | 3.0 mm

Material of Construction
1. IS 2062
2. SS 304



Heat Exchanger & Pressure Vessel

- Feed Water Heater
- Coil Type Heat Exchanger
- Pressure Vessel

List of Boiler / ESP Spares



1. Scalloped Plates for SH Coils
2. Shield for Bed, Superheater and Economizer Coils
3. Grate bars for TG, DG, and PG
4. Air heater tubes & tube sheets
5. Air Nozzles for AFBC Boilers
6. Air Heaters Assembly
7. Airbox Assembly and Distributer Plates
8. Mixing Nozzle
9. Fuel Nozzle
10. Fuel Nozzle Cap
11. Air Nozzles for CFBC Boilers
12. Cross
13. Pocket Feeder
14. Rotor for Pocket Feeder
15. Drag Chain and Feeder
16. Emitting Electrodes
17. Ash Feeder
18. Impeller with Shaft assembly for PA, SA, ID, & FD Fan Collecting Electrodes
19. Cooling Fans
20. Seal Air Fans
21. Bushing Insulator
22. MDC Cone
23. MDC Inlet Guide Vane (IGV)
24. MDC Outlet Guide Vane (OGV)
25. SS Ferrules
26. Silencers
27. Thermowells
28. Man Hole Door
29. Clinker Cleaning Door
30. Expansion Bellows
31. Dampers
32. Top / Bottom Suspension Frame
33. GD Screen
34. Support Insulator
35. Shaft Insulator
36. Water Treatment Spares & Consumables
37. Water Treatment Plant and Boiler Chemicals
38. Base frames for Fans and Pumps

DEHU®

www.dehu.in

NON - IBR SPARES

We have showcased only a few,
we can do much more...



Multiple Engineering Solutions

- Operation & Maintenance Management
- Man Power Supply/ Shutdown jobs
- Water Treatment Solutions
- Pump / Gas Skid Engineering Solutions
- Structural / Shed
- Gas / Air Ducting Solutions











Projects







2007

Year Established

250+

Work Force

800+

Customers

Team and Resources



Marketing
Ravishankar Iyer : Having 35+ years of Experience in various department of boiler & Power Plants.
Akhilesh Pandey : Having 15+ years of Experience in International Marketing & Logistics.
Sandip Pathare : Having 12+ years of Experience in Domestic Marketing.
Jidnyasa Nikam : Having 6+ years of Experience in Domestic Marketing.



Proposal
Supratik Roy : Having 27+ Years of Experience in Engineering & Design of Boiler & Power Plant.
Muthukumaran Chidambaram : Having 23+ Years of Experience in Engineering & Design of Boiler & Power Plant.



Engineering
Thiruvengadam Jeyaraman : Having 32+ Years of Experience in Engineering & Design of Boiler & Power Plant.
Periyasamy Ayyavu : Having 32+ Years of Experience in Engineering & Design of Boiler & Power Plant.
Dinesh Kumar Manohara : Having 22+ Years of Experience in Power Plant, Project Execution & Site Management.
S S Kannan : Having 20+ years in power plant, Sugar Plant, Distillery, Engineering, Construction, Operation & Maintenance.
Karthickraja : Having 19+ Years of Experience in Engineering of Power plants and Boiler, Engineering of steam and utility pipings
S.Aravindan : Having 15+ Years of Experience in Structural Designing & Engineering.
Gopi M. : Having 10+ years of experience in Telecom Design, Detailing & Business Development.



Procurement / Outsourcing
Alagarsamy Srinivasan: Ex-Airforce, Vast Experience in Procurement and Outsourcing.
Umesh Dhangude: 6+ years of experience in Procurement and Outsourcing.
Prashant More: 6+ years of experience in Procurement and Outsourcing.
+ Multiple team members across india.



Project Procurement
Sonu Vinoth Kumar P : 14+ years of experience in project and procurement.



Boiler Operations & Maintainance
Davidraj Amburose : 25+ years of experience in Power Plant, Operations & Maintainance.
Gopalakrishnan Nagarajan : 18+ years of experience in Power Plant, Operations & Maintainance.
G Dhamodharan : 25+ years of experience in Power Plant, Operations & Maintainance.



Manufacturing
Ranjith Kumar : Having 15+ Years of Experience in Engineering & Manufacturing of Boiler & Power Plants.
S. Hukkim Mydeen : Having 15+ Years of Experience in Engineering & Manufacturing of Equipments.



Quality
Balakumar Kalirajan : Having 16+ Years of Experience in Quality Assurance and Control.



Construction
Saminathan Shanmugam : Having 36+ Years of Construction and Project Management Experience.
P G Sekaran : Having 36+ Years of Construction and Project Management Experience.



Administration
Simachalam : Ex-Army, Vast Experience in Administration & Manpower Management.



IBR Documentation & Formalities
Sachin Gavandgave: 21+ Years of experience in IBR Documentation and Formalities.

Group Of Companies

For Boilers and Power Plants (EPC)

- Dehu Engineering and Services, Chennai
- Dehu Projects & Constructions, Tiruchirappalli
- Radiant Engineering & Services, Pune
- Stratix Engineering & Services, Pune
- Lero Engineering & Services, Chennai
- Maxima Engineering, Tiruchirappalli
- DK Engineers, Bangalore
- Flowsun Equipment & Services, Chennai
- Total Energy Engineering & Services, Mysore
- Glory Energy Engineering Consultant & Services, Chennai
- Sourcebridge Solutions, Hyderabad

International

- Fusion EPC Global Pte Ltd, Singapore
- Apex Projects & Services, Australia

Associates Companies

- GRV Engineering Services, Chennai
- Bhumatech Engineering & Services, Tiruchirappalli
- Powergent Consultancy Services, Tiruchirappalli
- Utkarsh Engineering & Services, Kolkata
- Sugavi Enterprises, Coimbatore
- RK Projects & Services, Mumbai
- Core Axis Global Solutions, New Delhi
- Vaitheeswaran Industries (OPC) Private Limited, Tiruchirappalli
- ASMET Industries Private Limited, Bengaluru
- Trois Plus Industries LLP, Chennai
- Vinay Trans Logistics, Pune

Other Group Business

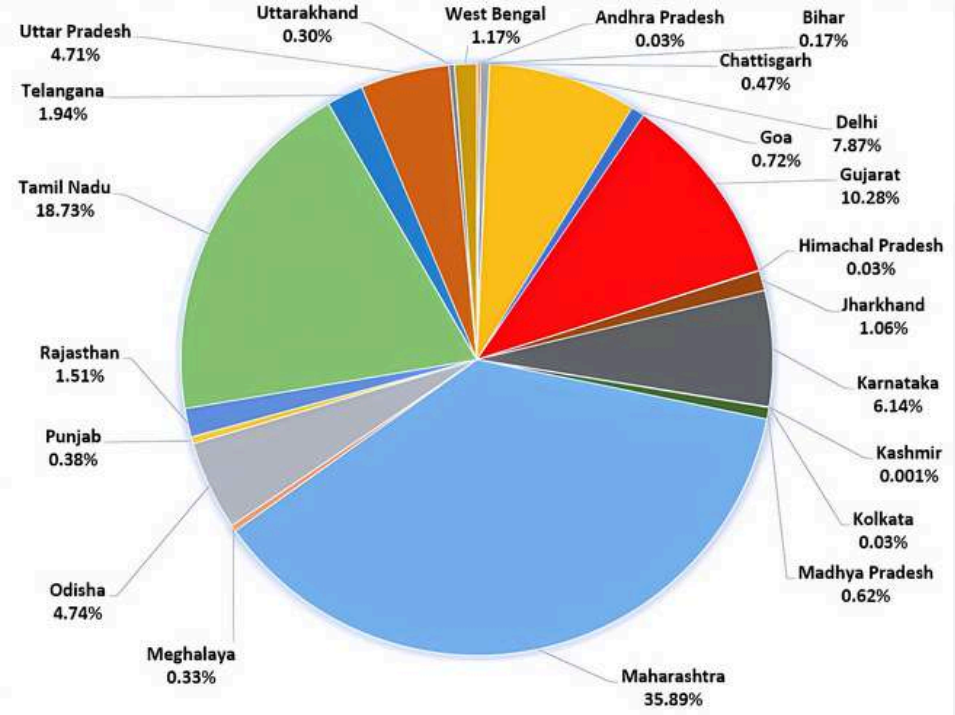
- Dehu Industries Private Limited, Pune — Oil & Gas, Contract Manufacturing
- Stable Industries Private Limited, Pune — Automobile & Micro Components

A Few of Our Customers

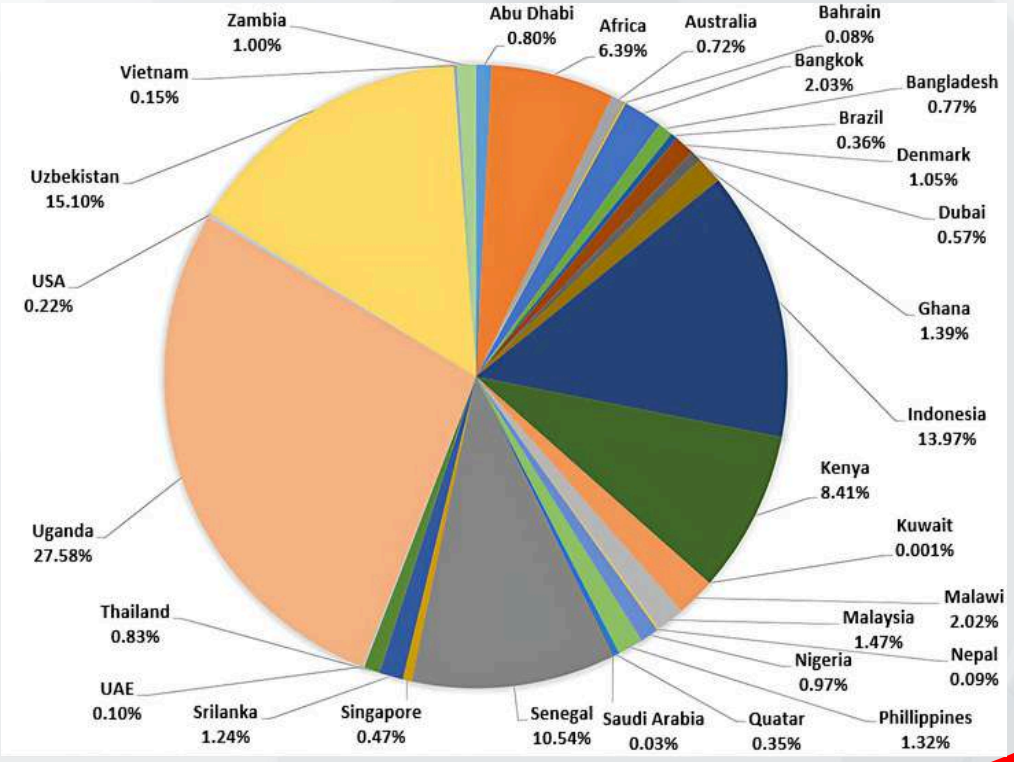


and many more...

Domestic Sale Share (Since 2007)



International Sale Share (Since 2007)



Certifications



















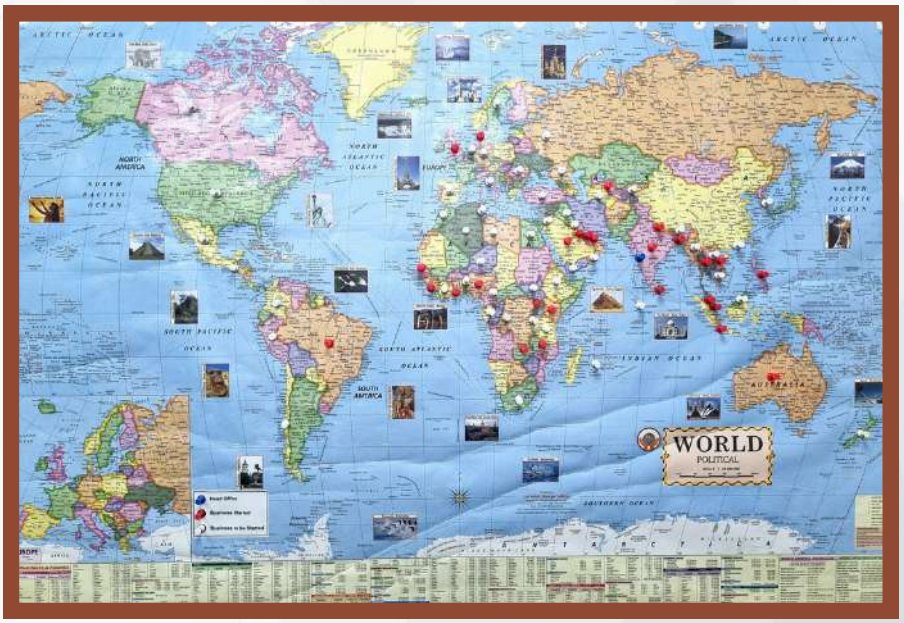


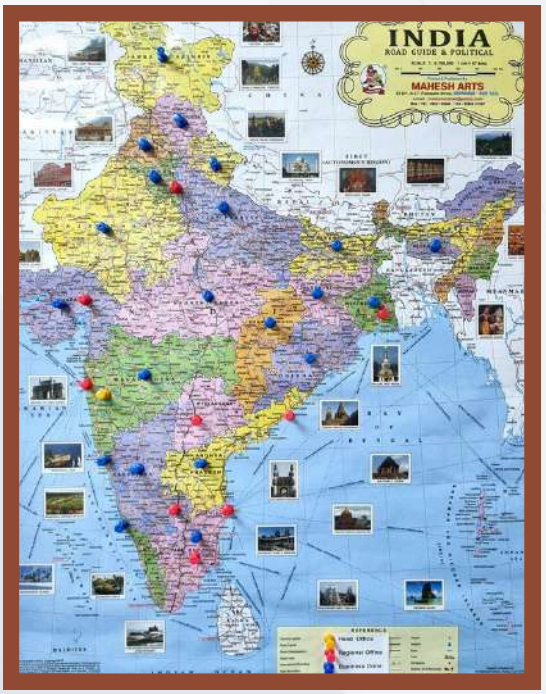






Global Customer Presence & Future Targets





Our Team	Operating From	Over
100+ Associates	4 Indian Regions	700+ Customers

Across

Asia, Middle East, Africa, South America, Australia & Europe

We are constantly expanding our market and are globally present through various sales teams and associates.



Dehu Engineering (India) Private Limited

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