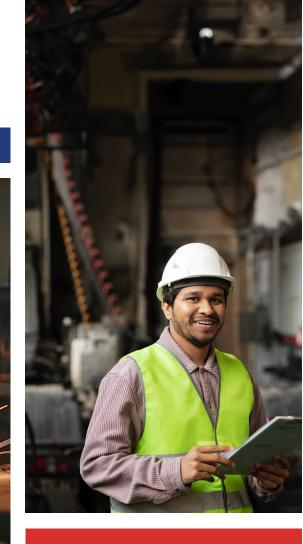


Embracing Today, Empowering Tomorrow.

Company Profile 2024

















VIVEK PATIL



SHATANIK PATIL

### MESSAGE FROM THE DIRECTORS

United Heat Transfer Limited, established in 1995, has built its reputation on the cornerstones of high-quality products, customer satisfaction, and superior service. Fostered by years of experience in both manufacturing and thermal designing of heat exchangers, United Heat Transfer Limited has become one of the leading manufacturers of Shell & Tube Heat Exchangers (STHE), Corrugated Tube Heat Exchangers (CTHE), Air Cooled Heat Exchangers, Pressure Vessels, Skids, Plate Fin Heat Exchangers, Backflush Filters, Moisture Separator, Jacket Water Heat Exchangers & Charged Air Coolers.

United Heat Transfer Limited has marked its presence across the globe by catering to its clientele in 22+ Countries, serving industries ranging from Chemical, Petrochemical, Fertilizers, Refineries, Pharmaceutical, Biotech, Oil, Paper, Steel and Textile. We have developed heat exchangers that are most efficient for condensing applications. Innovative designs, new technological advancements, best-in-class manufacturing facilities, and excellent workmanship have enabled United Heat Transfer Limited to successfully deliver over 75,000 heat exchangers, gaining the trust of 100+ clients.

We have now embarked on a new chapter of expansion and innovation, helping us transition to the next phase of our growth journey. United Heat Transfer Limited, with its remarkable achievements, is poised to grow and become the leader in the heat transfer industry.



**QUALITY** 

Placing a strong emphasis on producing high-quality products and maintaining consistent standards throughout the manufacturing process.



SAFETY

Prioritizing the safety and well-being of employees, customers, and the community, by implementing and adhering to strict safety protocols.



**INNOVATION** 

Encouraging a culture of continuous improvement and creative problem-solving to drive innovation in processes, products, and technologies.



**EFFICIENCY** 

Focusing on optimizing production processes, reducing waste, and maximizing resource utilization to improve productivity and profitability.



**INTEGRITY** 

Operating with honesty, transparency, and ethical behaviour, while maintaining strong business practices and fair treatment of employees, customers, and suppliers.



**CUSTOMER-CENTRICITY** 

Putting the customer at the centre of all activities, striving to understand their needs, and delivering products that exceed their expectations.

28+

**Years Of Experience** 

100+

**Happy Customer** 

5000+

**Successful Projects** 

**22** 

75000+

Countries

**Heat Exchangers** 

1,20,000

80 Tons

2 Units

Sq.Ft Area

**Lifting Capacity** 





VISION

To be a force at the intersection of innovation, technology, humanity, and environmental custodianship. We aspire to drive positive change by seamlessly integrating cutting-edge solutions, fostering human connection, and championing sustainable practices. Our vision is to leave a lasting impact, creating a harmonious world where progress coexists with compassion and respect for our planet.

### MANUFACTURING FACILITY



#### **INFRASTRUCTURE**

#### Total area under crane

• 1,20,000 sq. ft.

#### Team strength

250+ personnel

### Maximum weight handed per equipment

8 tons



#### **DESIGN**

#### Thermal Design

- HTRI Exchanger Suit 9.
- HTRI SPDA 2.0
- HTRI EHT

#### Mechanical Design

- Bentley Auto PIPE Vessel.
- PVElite
- Moisture seperator selection/sizing



#### **CUTTING**

- CNC and Plasma Cutting up to 100mm thick
- Laser cutting upto25 mm thick



#### **MACHINING**

Machining forming upto
3 meter diameter and
25 mm thick



#### **ROLLING**

- Maximum width 3 meter
- Maximum thickness50 mm thick

### MANUFACTURING FACILITY



**DRILLING** 

Tube-sheet drilling upto100 mm thick &2 meter diameter



**WELDING** 

- GTAW
- GMAW
- SMAW
- SAW



ANTI-CORROSION COATING

- Anti Corrosive for marine
   & saline water
- Heresite
- Phenolic Coating



SHOT BLASTING & PAINTING BOOTH

#### **Paint Booth**

 Size: 6m x 15m x 6m (WxLxH)

#### **Shot Blasting Room**

• Size: 6m x 15m x 6m (WxLxH)



**TESTING** 

- PMI & Carbon Testing
- TOFD
- Pressure testing
- Adhesion Testing













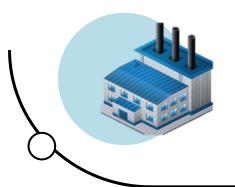








# Our JOURNEY



### 1995

#### **Incorporation - UHTPL**

Established in 20,000 sq. Ft. area at Ambad MIDC, Nashik



### 1999

Integrated Management System

UHTPL received first ISO 9000 certification



### 2007

**Growth - Factory Expansion** (60000 sqft)

UHTPL expand its facility to 60,000 sqft area to cater a new range of customers.



### 2011

**Enlistment with Engineers India Limited.** 



### 2010

### **U** stamp

UHTPL certified with U stamp to explore more opportunities.



### 2008

Design expertise - Member of HTRI

Worlds renowned software for Thermal design.

# Our JOURNEY



2014

100+ UHTPL Family Members



2020

New Facility Expansion (80000 sq.ft) on 13 acres with further plans of expansion.



2021

ISO 14001: 2015

ISO 45001: 2018



2024

**Turnover Target:** 

INR 100 Cr. (USD 12.03 Million)



2023

Implementation of ERP System



2022

**UHTPL** supplied 1st

**CU TR certified order.** 



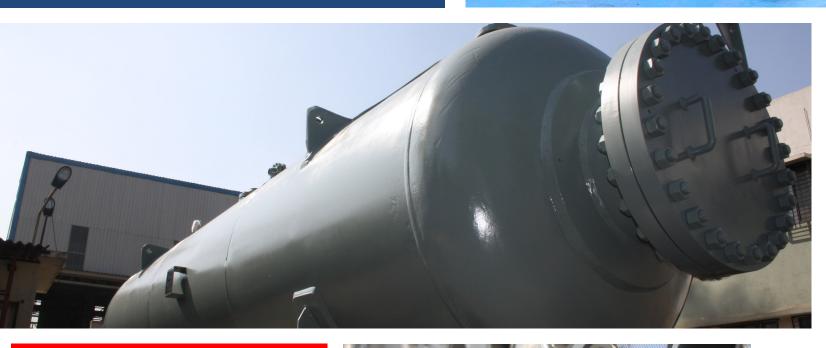
2025

**Turnover Target:** 

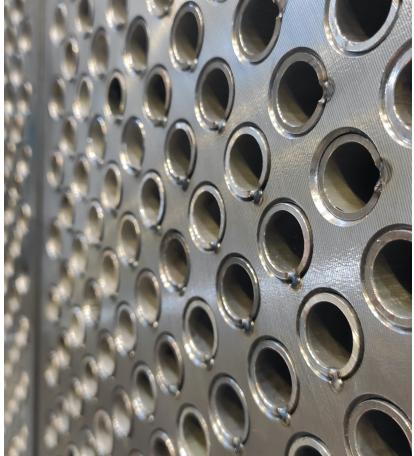
INR 150 Cr. (USD 18.04 Million)













# PRODUCT RANGE

# AIR COOLED HEAT EXCHANGERS



Design and Manufacturing as per API 661



# AIR COOLED HEAT EXCHANGERS



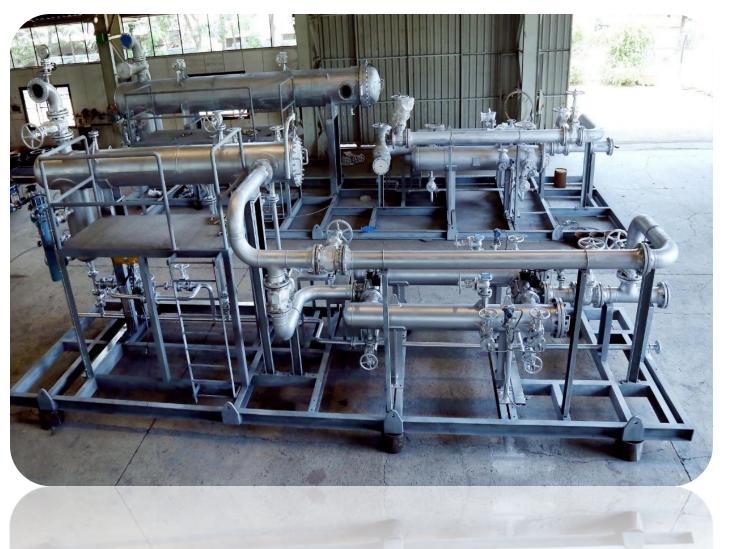




# SKIDS & CUSTOM-MADE PACKAGES



Skid for Oxygen Application



# SKIDS & CUSTOM-MADE PACKAGES







Compressor Base frame with Coolers



Service Fluid: Air

Primary Client : Atlas Copco India Ltd. GAP

PMC: Linde

Weight: 4000 Kg. each

Material of construction:

Shell: SA 516 Gr 70, Tubes: Cu Ni 90:10,

Tube sheet: SA516 Gr.70

Fin: Aluminum +Phenolic Coated





Scope: Design & Manufacturing

**Service**: Gas cooler

**Primary Client: Dresser Rand India- Naroda** 

**EPC:** Tata Projects

**End Client**: **Indian Space Research Org.** 

**Material of Construction:** 

Shell: SA516 Gr.70

Tubes: Cu Ni 90:10

Tube sheet: SA516 Gr.70

Fins: Aluminium

Weight: 4300 kg

Scope: Design & Manufacturing

**Service**: Process Gas cooler

**Primary Client: Dresser Rand India- Naroda** 

**EPC:** Engineers India Limited

**PMC: Linde** 

**End Client: HRRL Refinery, India** 

**Material of Construction:** 

Shell: SA516 Gr.70

Tubes: Admiral Brass(SB 111 C44300)

Tube sheet: Naval Brass (SB171 C46400)

Fins: Aluminium

Weight: 4700 kg

Size: 1224 mm (Dia.) X 5569 mm (Length)

Total Equipment: 16 Nos.





Scope: Design & Manufacturing

**Service**: Process Gas cooler

**Primary Client: Ingersoll Rand India** 

**EPC:** Engineers India Limited

**PMC:** Linde

**End Client: MRPL Refinery, India** 

**Material of Construction:** 

Shell: SA516 Gr.70

Tubes: Admiral Brass(SB 111 C44300)

Tube sheet: Naval Brass (SB171 C46400)

Fins: Aluminium

Weight: 400 kg

Size: 716 mm (Dia.) X 3138 mm (Length)

Total Equipment: 16 Nos.





**Service:** Process Gas Application

**Primary Client: Gardner Denver Engineered Products** 

**End Client: HPCL RAJASTHAN REFINERY LTD- HRRL** 

**PMC:** Engineers India Limited

**EPC:** Tata Projects & Fluor Daniel International

**Weight**: 4600 Kg Each (696 mm ID X 5826 mm Lg)

#### **Material of Construction:**

Shell: SS 316L

**Tubes:** SS 316L smls

Flanges: SS 316L

Tube sheet: SS 316L







**Equipment:** Ammonia Condenser

**Primary Client: Johnson Controls /PDIL** 

PMC: L&T Hydrocarbon

**End Customer : National Fertilizers Plant – Panipat** 

#### **Material of construction:**

Shell: SA 516 Gr 70

Tubes: SA213 TP 304

Tube sheet: SA516 Gr 70

No of tubes: 2800

Size: Dia. 1510 mm x 8300 mm Length

Weight: 22500 kg



**Equipment:** Debutanizer.

**Primary Client:** Voltas Ltd

**End Client: Indian Oil Corp** 

**EPC**: Engineers India Limited

#### **Material of construction:**

Shell: SA 516 Gr 70N

Tubes:SA 179

Tube sheet: SA 266 Gr2

Weight: 8900 kg Each

Certification: U-stamp





**Equipment**: CO2 Gas Coolers

**Primary Client : Atlas Copco, France** 

**End Client: GE Aviation USA** 

ASME U – Stamp Certification

Integral Moisture Separators

#### **Material of construction:**

Shell: SA 312 TP 304

Tubes :SA 213 TP 304

Tube sheet: SA 182 Gr F 304



Primary Client : Kirloskar Pneumatic

Equipment : Evaporator

End Client : Indian Navy

#### **Material of construction:**

Shell: SA106

Tubes: Cu:Ni 70:30

Tube sheet: Naval Brass

End Caps : Gun Metal Castings

No of tubes: 2487

Weight: 2570 kg

Inspection by DGQA



**Equipment:** DX-Economiser.

**Primary Client:** York India Ltd

**End Client:** LANCO

#### **Material of construction:**

**Shell:** SA516 Gr 70

**Tubes:** SA213 TP 316

**Tube Sheet:** SA240 TYP 316

No. of Tubes: 636

**Weight:** 1485 kg

**Certification:** ASME U-stamp







# PRESSURE VESSELS

Service: Side Stream Filter

**Primary Client: WIPRO ENTERPRISES PVT LTD** 

**End Client :** Assam Bio Refinery

**PMC:** Engineers India Limited

**EPC:** Hamon Cooling System

Qty: 2 Nos



Shell & Dish Ends: SA 516 Gr. 70

Flanges: SA 105

Weight: 33000 Kg Each

**Size:** (Dia. 3450 mm X 12374 mm Lg X 28 mm Thk)





# PRESSURE VESSELS

**Service:** Propylene Chiller Package (EPCC – 03)

**Primary Client: Kirloskar Pneumatic Company Limited** 

**End Client: HPCL RAJASTHAN REFINERY LTD- HRRL** 

**PMC:** Engineers India Limited

**EPC:** L&T Hydrocarbon



#### **Material of Construction:**

Shell & Dish Ends: SA 537 Cl.1

Flanges: SA 350 Gr. LF3

**Gasket:** Kammprofile Gasket

Weight: 7500 Kg (Dia 1600 mm X 6182 mm Lg)



# PRESSURE VESSELS

Service: Blow Down Tank

**Primary Client: General Electric - Poland** 

**End Client: Dolna Odra Powerplant, Poland** 

PMC: PGE Gornictwo i Energetyka Konwencjonalna S.A

**EPC:** Polimex - Mostostal SA - Poland



**Material of Construction:** 

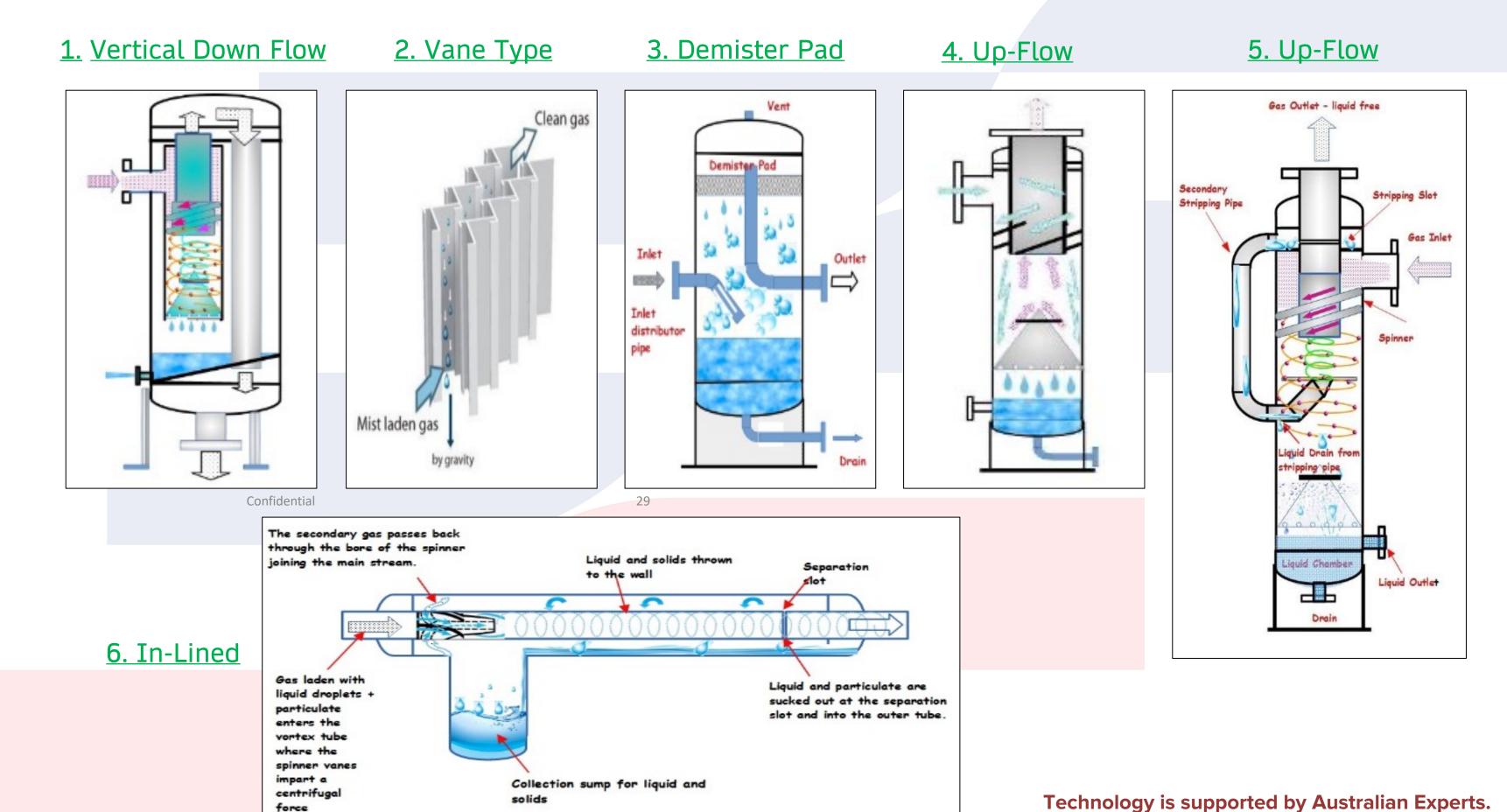
Shell & Dish Ends: SA 516 Gr. 70

Flanges: SA335 P 22

Weight: 4600 Kg (Dia 2000 mm X 5700 mm Lg)



## MOISTURE SEPARATORS



# MOISTURE SEPARATORS









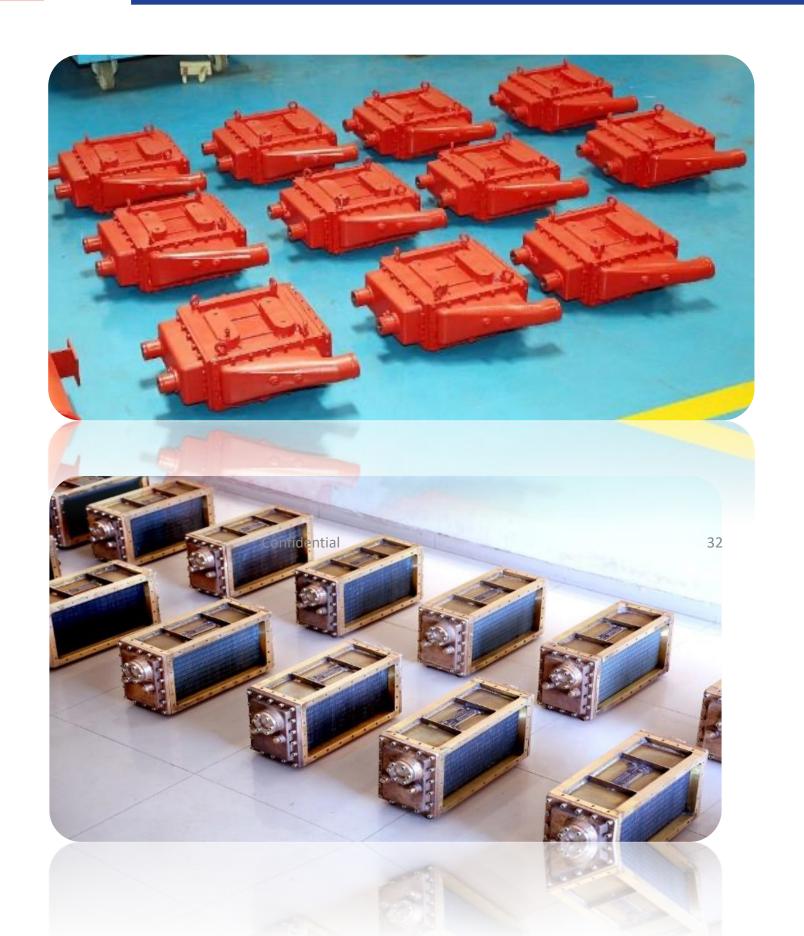
# JACKET WATER ENGINE HEAT EXCHANGERS







# CHARGED AIR COOLER







### **INDUSTRIAL SECTORS**











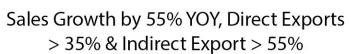






**PERFORMANCE** 







Production Capacity Enhanced by 42%



Approved for Exotic Alloys in EIL, ONGC, MDL, IOCL & Others



Both Units Approved with ISO, EHS, ASME, PED and Other EPC Consultants.



New Product Development like Moisture Separator, Exhaust Gas Cooler Etc.



Customer Satisfaction > 91 %



Employee Retention Ratio > 96.4%



On Time Delivery > 95 %



Global Installations in 22+ Countries

### **OUR VALUED CUSTOMERS**





















































































































### **OUR GLOBAL REACH**





### Registered Office & Manufacturing Unit 1

F-131, MIDC Ambad, Nashik – 10 MH, India.

#### Manufacturing Unit 2

Gat No. 352, Talegaon Indore Rasegaon Road, Tal. Dindori, Nashik – 04 MH, India Tel: +91-253-2382484
Fax: +91-253-2380737
marketing@unitedheat.net
sales@unitedheat.net

# CONNECT WITH US!

For Enquiries:

E-mail: directors@unitedheat.net