



American
Petroleum
Institute



Engineering Process Equipment Since 1989

www.heatexchanger.co.in | sales@heatexchanger.co.in

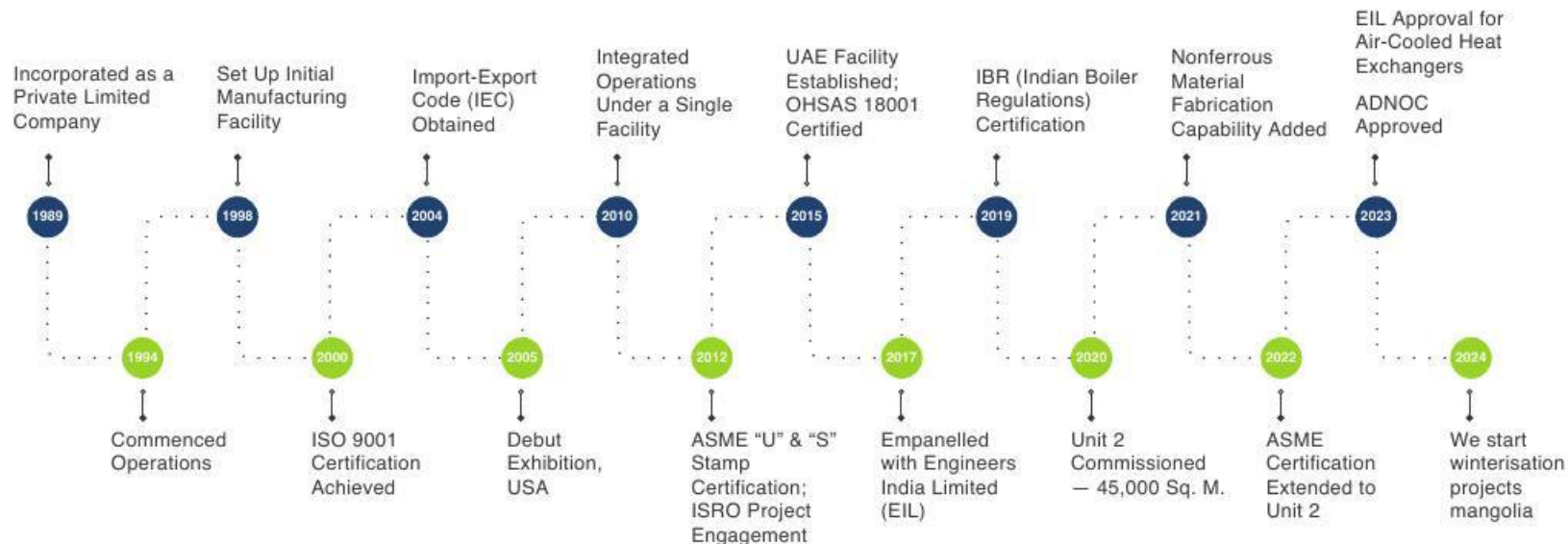




Since 1989, UNITED Cooling Systems Private Limited has been a leading Indian manufacturer of heat transfer and static equipment for the energy sector. Supported by experienced engineering, quality and production teams, we offer heat exchangers, storage tanks, pressure vessels and custom-built static equipment.

Our design capabilities include HTRI, PV Elite, STAAD.Pro and AutoCAD. We hold ASME "U," "U2," "R" and "NB" certifications, along with ISO 9001:2015, ISO 14001:2015 and ISO 45001:2018. We are also an API member, enlisted with EIL and registered with IBR.

With a dedicated R&D centre, expertise in various alloys, fast-track project execution and 24/7 after-sales support, we deliver reliable, cost-effective and complete heat transfer solutions for the oil and gas, petrochemical, refinery and power sectors.



Heat Exchangers

- Shell & Tube Heat Exchanger
- Air Cooled Heat Exchanger
- Double Pipe Heat Exchanger
- Economizer
- Kettle Reboiler
- Hair Pin Heat Exchanger
- Surface Condenser
- Inter Coolers & After Coolers

Pressure Vessels & Process Equipment

- Air Receiver
- Storage Tanks & Vessels
- Evaporator
- Columns (Reactor Column)
- Pressure Vessel With Skid Assembly Package



Mission

To engineer and manufacture process equipment of uncompromising quality and safety, in full compliance with international codes and standards – delivering lasting value to clients across the global energy industry.

Vision

To be counted among the world's most trusted process equipment manufacturers – setting the benchmark for engineering excellence, innovation and sustainable growth across international markets.

Values

- Integrity
- Excellence
- On Time Delivery
- Reliability

TRAVEL ACCESS

20 km

~45 mins from Coimbatore Airport

160 km

~3 hours from Cochin Airport

8 km

~30 mins from Coimbatore Railway Station

NEAREST PORTS

Cochin

195 km

Tuticorin

351 km

Chennai

510 km

Nhava Sheva (JNPT), Mumbai

~1,350 km

UNIT I – SIDCO, Coimbatore | UNIT II – Seerapalayam, Coimbatore

Both units are located within Coimbatore, Tamil Nadu – a well-connected industrial hub in South India with direct access to major ports and airports for domestic and export shipments.

- 01 HTRI — Thermal Design
- 02 PV Elite — Mechanical Design
- 03 Exchanger Optimizer — Design & Estimation
- 04 Ansys — Engineering Simulation
- 05 AutoCAD — Drafting
- 06 SolidWorks — 3D Modelling
- 07 STAAD Pro — Structure Design & Analysis
- 08 Advance Steel — Structural Design
- 09 Tekla — Steel Structure
- 10 Microsoft Project

12 yrs

HTRI experience, 2 license keys

15 yrs

PV Elite experience, 2 license keys

25 yrs

Senior engineering team experience

25

Members in process design team

400 mm

Max. tubesheet thickness designed

5 m

Max. shell diameter designed

Thickness Capability

Tubesheet	Up to 400 mm
Shell Plate	Up to 80 mm
Plate (Drilling / Cutting)	Up to 300 mm
Rolling (Shell Forming)	Up to 85 mm

Size & Dimensional Capability

Shell Diameter (Rolling)	Up to 6 m
Tubesheet Diameter	Up to 3 m
Bending Length (Press Brake)	4,300 mm
Fin Tube Length	Up to 16 m

Pressure & Design Codes

Hydro-Test Demonstrated	Up to 425 Bar
Design Codes	ASME Sec. VIII Div. 1 & 2
Stamps Held	ASME 'U', 'U2', 'R'
Boiler Code	IBR Registered
EIL	Following Standard

Materials of Construction (MOC)

- Carbon Steel, LTCS & LAS
- Incoloy 825
- Titanium
- Stainless Steel (SS 316L)
- Monel 400
- SS Duplex
- Inconel 625
- Other custom alloys on request



ASME 'U' STAMP



ASME 'U2' STAMP



ASME 'R' STAMP



NB REGISTRATION (UNIT 1)



EIL ENLISTMENT



EIL ENLISTMENT



EIL ENLISTMENT



EIL ENLISTMENT



NB REGISTRATION (UNIT 2)



ISO 14001:2015



ISO 9001:2015



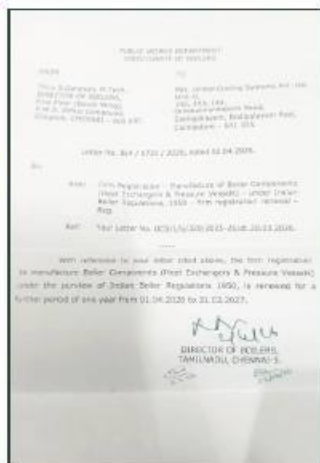
IBR REGISTRATION (UNIT 1)



ISO 45001:2018



ZED GOLD CERTIFICATE

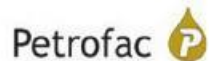


IBR REGISTRATION (UNIT 2)













Major Third Party Agencies





CNC Plate Drilling and Milling Machine

Drilling Dia : OD 100 mm / Thickness : 400 mm
UP TO : 3 m Dia Tube sheets



CNC Plasma & Flame Cutting Machine

Thickness : 300 mm (Flame Cutting) / 40 mm
(Plasma Cutting) / Length : 12 mm



VMC Drilling Machine
Thickness : 300 MM / 1.9 Mtr



CNC Fully Automatic Rolling Machine
Thickness : 85 mm / 3 Mtr width / 6Mtr Dia



Extruded Finning Machine 3 Nos
(Up to 16 Mtr Length)



Embedded Finning Machine
Type : G,L,LL,KL UP TO 16Mtr length



Lasser machine 12 to Kw

Bed size : 2.5 Mtr X 6.3 Mtr Length
Mild and carbon steel : up to 40mmTk
Stainless Steel : up to 25mm Tk
Aluminium sheets : up to 12 mm Tk



Hydraulic Press Brake

Capacity : 500Ton
Bending Length : 4300mm
Bending thickness : Upto 12mm

Overall Fabrication Area is 60000 Sq ft

UNIT – I @ SIDCO

- Shed -1 : Fabrication Shop (Covered Area) @ 12000 Sq ft with 2 Bays
- Office : 1500 Sq ft

UNIT – II @ SEERAPALAYAM

- Shed - 1 : Machine Shop @10000 Sq. ft
- Shed -2 : Fabrication Shop (Covered Area) @ 24500 Sq. ft with 3 Bays, Separate bay for Stainless Steel @ 15000 Sq. ft & other special material fabrication
- Shed -3 : Fabrication Shop (Covered Area) @ 1500 Sq. ft Uncovered Area / Open Yard for Fabrication & Storage @ 26000 Sq. ft Sand Blasting & Painting Area : 6000 Sq. ft Office : 6000 Sq. ft



EPC : Global Processing Systems
End User : NNPC
Modules : 40 no's (ACHE)
MOC : Carbon Steel (CS)



EPC Name : NOV
End User : PDO Oman
MOC : 316 L (ACHE)



Client Name : RCFL, Mumbai
Product : Booster Cooler
Test Bar : 425 Bar (STHE)



Client Name : Mathura Refinery
MOC : SS 316 L (Kettle Type Reboiler)



Client Name : KLJ PETROPLAST LIMITED
Product : Shell & Tube HE With Expansion
Below with Coil
MOC : Stainless Steel
(Length - 4 M , Dia - 550 M)



Client Name : FORTUNE ENGINEERING &
ENERGY SERVICE
End User : PDO, Oman
Product : Hair Pin HE
MOC : Carbon Stell (CS)



Client Name : Adithya Birla
Dimension : 84 feet / 2.7 Dia



Client Name : IOCL Panipet
Type : Stacked Exchanger / 35 Ton



Client Name : KLJ Petro Plast Limited
MOC : Stainless Steel
Product : Scrubbing Tower



Client Name : KLJ Petro Plast Limited
MOC : Titanium
Product : Titanium Column



Client Name: Mega (Jordan projects)
Modules : 3 no's (ACHE)
MOC : Carbon Steel (CS)



EPC Name : Target
End User : ADNOC
MOC : Incoloy Alloy 825



EPC : KANOO INDUSTRIAL & ENERGY
End User : M.AL-Barghash-SPPC
MOC : Carbon Steel (CS)
Equipment Name : Filter Vessels With Skid Assembly



Client Name : Filtration Groups
MOC : Carbon Steel (CS)
Equipment Name : Pressure Vessels With QOC
Assembly Skid

APPLY AHEAD! The awards deadline is **March 21, 2010** (openings for the 2011 awards will be announced in November 2010).

Eligibility: The award is open to all U.S. citizens and permanent residents.

Prizes: The award includes a cash prize of \$10,000, a round-trip airfare to the awards ceremony, and a complimentary stay at the Hyatt Regency Washington, D.C. for two nights.

Selection: The award will be given to the author(s) of the paper judged to be the most original and innovative, and the most significant in its field.

Submission: Papers should be submitted to the American Psychological Association, 750 First Street, N.E., Washington, D.C. 20002-4242.

Questions: For more information, please contact the American Psychological Association at (202) 336-6000 or www.apa.org/awards.

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SIDCO, Coimbatore, Tamil Nadu, India- 641021

UNIT II : No:142,143 & 144 Othakalmandapam Road,
Seerapalayam, Near L & T Bye Pass, Coimbatore, Tamil
Nadu, India - 641105

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