

## COMPANY PROFILE

### THE ANUP ENGINEERING LIMITED



ISO 9001 : 2015  
CERTIFIED



ISO 14001 : 2015  
CERTIFIED



ISO 45001 : 2018  
CERTIFIED



ASME 'U', 'U2', 'S', 'R' STAMP AUTHORIZATION

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#### **REGISTERED OFFICE & WORKS**

BEHIND 66 KV ELECTRIC SUB STATION, ODHAV ROAD,

AHMEDABAD – 382 415

GUJARAT, INDIA

PHONE: 0091-79-2287 0622 / 2287 2823 FAX: 0091-79-2287 0642

E-MAIL: [anup@anupengg.com](mailto:anup@anupengg.com)

WEB: [www.anupengg.com](http://www.anupengg.com)

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## **1. ABOUT THE ANUP ENGINEERING LIMITED**

The Anup Engineering Limited started with a modest beginning in year 1962, ANUP evolved into a major player in heavy fabrication industry. ANUP pioneered many process and products during its journey of close to 6 decades.

ANUP is an ISO 9001:2015, ISO 14001:2015, ISO 45001:2018 compliant company accredited with ASME Certification of U, U2, S and R Stamps and NB Registration along with workshop & laboratory duly IBR approved.

ANUP is one of the pioneers to set-up dish end manufacturing facility way back in seventies.

During its journey, ANUP can proudly boast of supplying process equipment to nearly all major projects in oil & gas, fertilizer, power, chemical & petrochemical sectors in India and worldwide.

ANUP is listed on India's most important stock exchanges National Stock Exchange (NSE) & Bombay Stock Exchange (BSE) as a separate entity (Lalbhai Group Companies).

ANUP has been rated CARE A+ with stable outlook (Single A Plus) for its long term bank facilities. It has been rated CARE A1+ for its Short Term bank facilities. This is top notch CARE ratings provided with stable outlook provided to any company.

Never to rest on its laurel, ANUP has left its imprint not only on ground but in outer space as well with components supplied for many space expeditions.

## 2. PRODUCT RANGE



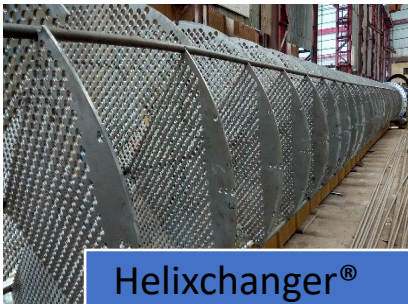
Reactors



Pressure Vessels



Columns



Helixchanger®



Embaffle®



Heat Exchangers



Centrifuges



Custom Fabrication



Dished End

### 3. Metallurgy

- Exotic/Special Grades:

- Cobalt Alloy
- Titanium Gr. 1 / 2 / 16
- 254 SMO (6% Mo)
- Alloy 600, 625, 693, 825
- SS 904/904L
- Hastelloy C 22 / 276
- Alloy 28
- Cupro Nickle 70:30 / 90:10
- Monel 400
- SS310 LMo

- Stainless Steel Grades:

- Austenitic: 304/L, 316/L, 321, 347/H
- Super Austenitic: 317/L, 310/L
- Duplex: 31803/32205, 32304 (LDX), 32750 (SDSS)
- Martensitic: 405, 410S
- Ferrite: 439

- Low Alloy Steel Grades:

- 2.25 Cr 1 Mo
- 1.25 Cr 0.5 Mo
- 5 Cr 0.5 Mo
- C 0.5 Mo
- 3.5% Ni
- H T Steel

- Carbon Steel Grades:

- Boiler Quality
- HIC
- NACE
- LTCS

- Combinations with Clad:

- CS + Austenitic/Super Austenitic SS Clad (304/L, 316/L, 321, 347/H, 317/L)
- CS + Duplexes (31803/32205, 32304, 32750)
- CS + Martensitic SS Clad (410/S)
- CS + Monel 400
- CS + 25Cr-22Ni-2Mo
- CS + Alloy 625
- CS + Titanium Gr 1
- CS + 6% Moly
- CS + Naval Brass
- CS + Cu:Ni
- LAS + Austenitic SS Clad (304/L, 316/L, 321, 347)
- LAS + Duplexes (31803/32205, 32304, 32750)
- LAS + Alloy 625
- SS + Duplex (31803/32205)
- SS + 6% Moly
- SS + Titanium Gr 2



#### **4. FACILITIES / INFRASTRUCTURE**



- Overall Area – 45,000 m<sup>2</sup>
- Covered Area Under Hook – 23,000 m<sup>2</sup>
- 8 Heavy Fabrication Bays
- 2 Light Fabrication Bays
- Clean Room for Exotic Material Equipment (under construction)
- Main Stores
- Testing Laboratory
- Plate Yard
- Machine Shop
- Dishing Shop
- 2 Blasting Enclosures Equipped with Recycling Unit
- Painting Enclosure
- 3 Heat Treatment Furnaces
- Scrap Yard

## 5. MANUFACTURING / DIMENSIONAL CAPABILITIES

### PRESSURE VESSELS / COLUMNS / REACTORS:

Diameter	: 7000 mm *
Height/Length	: 100 m fabrication length
Thickness	: 200 mm **
Weight	: Up to 500 MT per equipment

\* Higher diameter equipment can be offered on case to case basis

\*\* Higher thickness also offered on case to case basis

### SHELL & TUBE HEAT EXCHANGERS:

Tube sheet Thickness	: Up to 1500 mm
Tube OD	: Up to 80 mm
Weight	: Up to 500 MT per equipment
Type	: All TEMA Types, Helixchanger and Embaffle

### DISHED ENDS:

Thickness	: Up to 50 mm
Diameter	: Up to 5.5 m



## **6. DESIGN & ENGINEERING RESOURCES**

### **Software:**

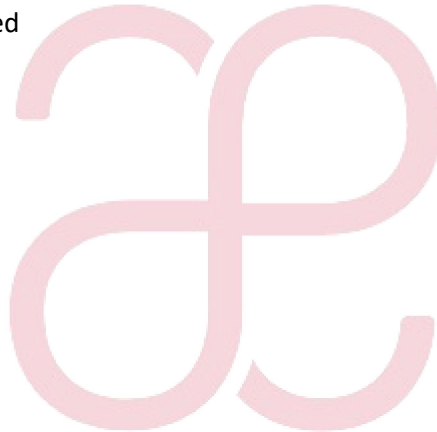
• Thermal Design	-	HTRI with Xist & X Vib 8.2
• FEA & Fatigue Analysis	-	ANSYS Mechanical Pro 2021 R2
• FEA	-	NozzlePRO Version 15 (2021)
• Mechanical Design	-	PV Elite 2022 (V24)
• Mechanical Design	-	AutoPIPE (Microprotol) 2019
• 3-D Modelling	-	Inventor (PDS) 2022
• 3-D Modelling	-	3D PV 2018
• Drafting	-	AutoCAD 2022

### **Codes & Standards:**

- American Society of Mechanical Engineers (ASME)
- EN 13445
- PD 5500
- American Society of Testing Materials (ASTM)
- Tubular Exchanger Manufacturers Association (TEMA)
- Expansion Joints Manufacturers Association (EJMA)
- ANSI
- American Welding Society (AWS)
- Indian Standard (IS)
- Pressure Equipment Directive (PED) / CE Marking
- GOST / TR CU (Russia)
- SANS 347 (South Africa)
- MOM (Singapore)
- DOSH (Malaysia)
- ARH (Algeria)
- Indian Boiler Regulations (IBR)
- SMPV Rules (For Explosive Applications)
- Gas Cylinder Rules (For Explosive Application)

## 7. INSPECTION AGENCIES

- Lloyds Register Asia
- Bureau Veritas
- TUV Nord
- TUV Rhineland
- TUV SUD
- Det Norske Veritas
- Engineers India Limited
- Project Development India Limited
- Certification of Engineers India Limited
- Chief Inspector of Boilers & Smoke Nuisances
- Chief Controller of Explosives (Nagpur)
- SGS India Private Limited
- RINA
- VELOCI



## 8. COMMERCIAL DETAILS

<b>Name of the Company</b>	THE ANUP ENGINEERING LTD.
<b>Turn Over</b>	2021-22– INR 292.78 Crore 2020-21– INR 282.86 Crore 2019-20 – INR 249.52 Crore
<b>Group</b>	Lalbhai Group
<b>Chief Executive Officer</b>	Mr. Reginaldo Dsouza
<b>Factory Location</b>	B/h 66 KV Electric Sub-Station, Odhav Road, Ahmedabad - 382 415 Gujarat, India.
<b>Telephone</b>	+91-79-2287 0622 / 2287 2823
<b>Fax</b>	+91-79-2287 0642
<b>E-mail</b>	<a href="mailto:anup@anupengg.com">anup@anupengg.com</a> / <a href="mailto:marketing@anupengg.com">marketing@anupengg.com</a>