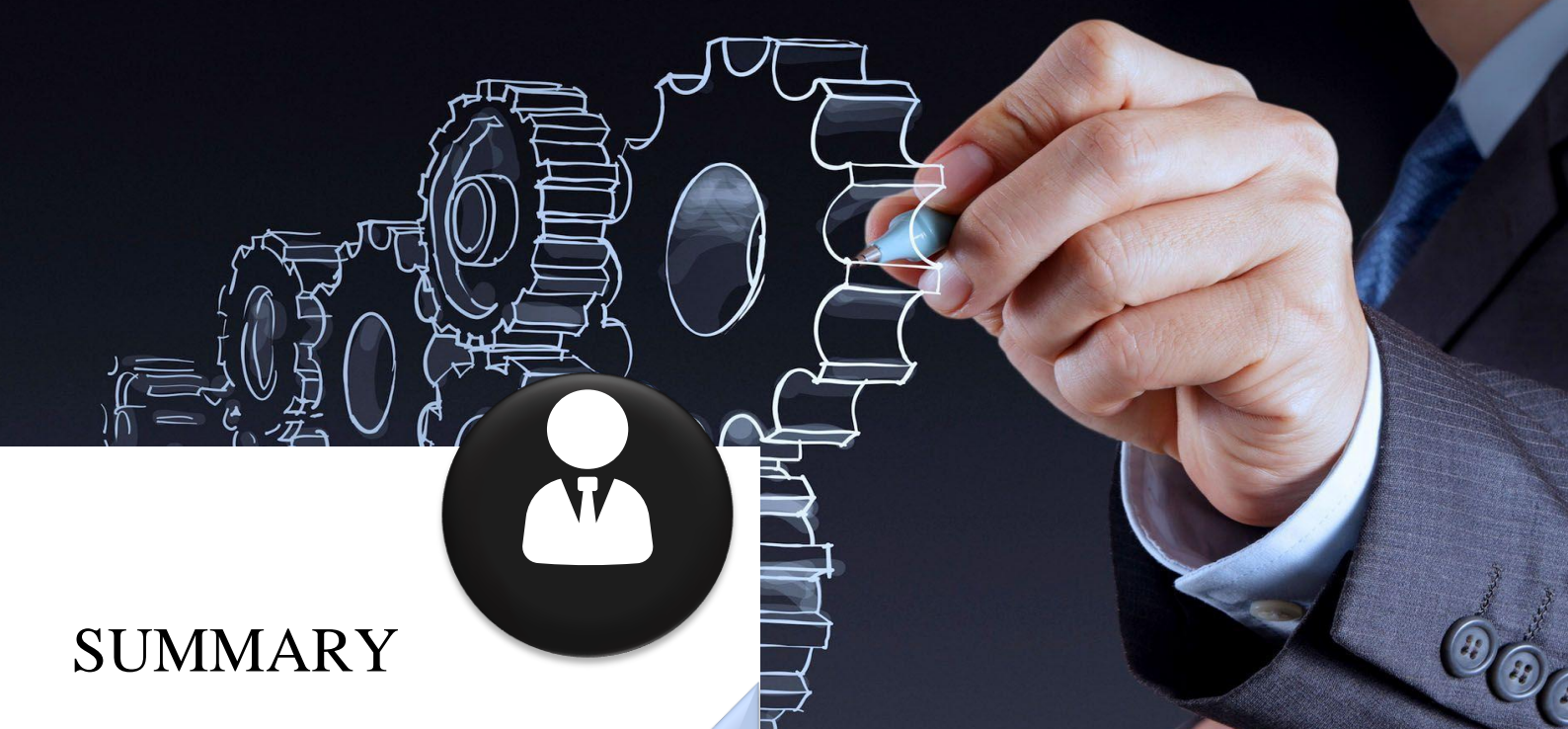




# COMPANY PROFILE







## SUMMARY

R. D Industrial Design established in 2012, is one of the most reliable design engineering solutions for detail engineering, material handling plants, the chemical, pharmaceutical, and oil and gas industries. Our design and technical expert team is made up of dedicated and qualified professionals who are committed to understanding and serving the needs of our clients.

We are engaged in the detailed engineering and drafting of engineering projects using the latest software, such as AutoCAD, PV Elite, STEAD Pro, PDMS, and SP3D.

Working from our offices based in Vadodara, Gujarat, India.

## OUR VALUE

R

RELIABLE SERVICE

D

DESIGN EXCELLENCE

I

INNOVATION/INSPIRATION

D

DIRECTION IN RIGHT WAY

## ABOUT US.



Delivering the highest quality design and engineering work every time.



Providing efficient and economical design software resources whenever needed.



Ensuring quick and accurate completion of drawings and designs to meet your timelines.



Facilitating simple and secure file exchange between offices for uninterrupted workflow.

## OUR VISION



Committed to providing innovative, cost-effective, and sustainable design solutions tailored to client needs.



Striving to be the one-stop solution for all engineering consulting services.



Aiming to rank among the foremost leaders in engineering consulting.



## OUR MISSION



At R D Industrial Design, we are dedicated to delivering high-quality engineering design services that enhance the communities where our clients live and work.



Our mission is to achieve excellence in all aspects of design studies and engineering through the implementation of cutting-edge and evolutionary practices.



We aim to add value through top-quality services, innovative strategies, and strategic thinking, while upholding ethical practices and ensuring reasonable profitability.

## KEY TO SUCCESS



Delivering innovative and precise solutions on time and within budget.



Building lasting client relationships through exceptional service and support.



Ensuring client satisfaction with flexible, cost-effective revisions.

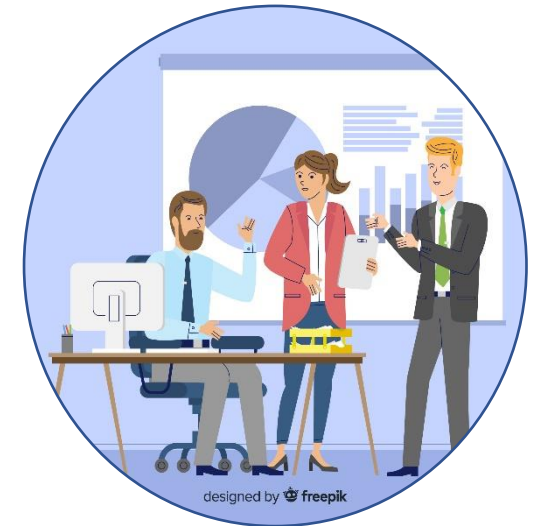




**CONSTRUCTION  
AND MANAGEMENT**



**DESIGN &  
ENGINEERING**



**PROJECT  
MANAGEMENT**



**SAFETY &  
DOCUMENTATION**



**INSPECTION  
AND TESTING**



**HVAC DESIGN  
& VALIDATION**



# DESIGN & ENGINEERING SERVICES

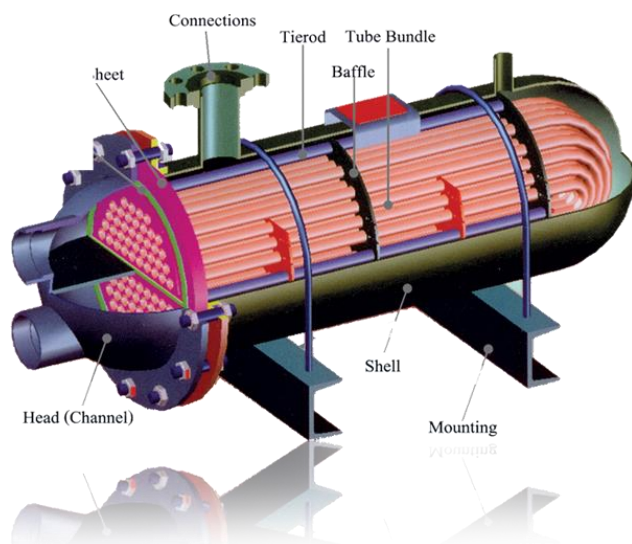
- Pre-Project Planning.
- Front –End Engineering & Design.
- Process Design.



- Block Diagram, Process Flow Diagram, Heat and mass Balance.
- Process and Instrumentation Diagram.
- Process, Pump and Utility Pipeline Calculation.
- Thermal Design with MDS Preparation.
- Process Design and Validation.

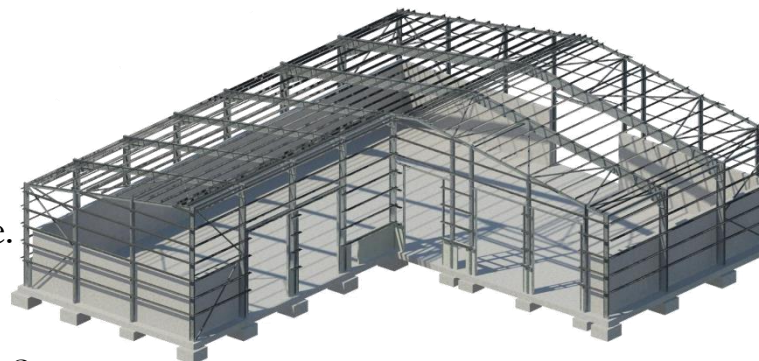
## Equipment Design Service.

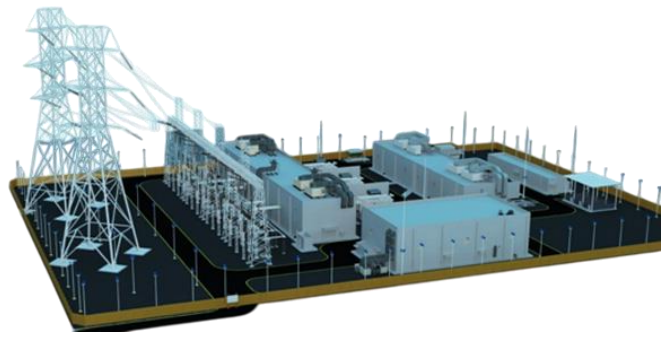
- Static Equipment (Thermal, Mechanical).
- PDS & MDS Preparation.
- Package unit.
- PESO Design, Drawing and Documentation.
- G.A.D, Fabrication, 'U' Stamp Fabrication.
- Detail Service for all type MOC like IS: 2062, SA.240Gr.304/316L, PPFRP (BS-4994-1987) (BS EN 13121-3:2016), Glass Lined, MS+RL, MS+RL+BL etc.



## Civil/Structural Design & Engineering.

- Building and Structure.
- Equipment Foundation and Structure.
- Plant and Pipe Rack Structure.
- Detailing of Post and Pre Fabrication Structure.
- Fabrication Structure on Workshop or Site.





## ⚙️ Electric and Instrumentation Engineering.

- 🖥️ PCC, MCC and Transformer Design.
- 🖥️ Cable Sizing and Layouts.
- 🖥️ Lighting and Earthing Design and Layouts.
- 🖥️ Specs for Field Instruments and Control Panel.
- 🖥️ Instrument Location Plan and Instrument Diagram.

## ⚙️ Piping Design and Engineering.

- 🖥️ Piping and Insulation Material Specification.
- 🖥️ Piping layout, Plans and Detailing.
- 🖥️ 3D Modeling pipeline and Isometric
- 🖥️ Bulk M.T.O and B.O.M.
- 🖥️ Piping Stress Analysis and Calculation.



## ⚙️ Plot Plan & Layout Service

- 🖥️ Equipment and Plot Plan Layout.
- 🖥️ Fire Hydrant Design and Layout.
- 🖥️ G.P.C.B and G.I.D.C Layout and Approval.
- 🖥️ F.D.A (Food and Drugs) Layout and Documentation.
- 🖥️ Layout as per USFDA, GMP, WHO and Schedule-M Layout.
- 🖥️ Instrument, QC/QA layout with Lab Furniture

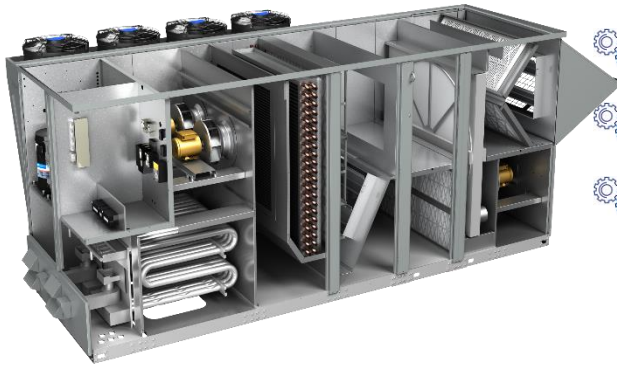


# PROJECT MANAGEMENT

- Planning and Scheduling.
- Engineering Coordination.
- Risk Management.
- Quality Assurance.
- Critical Path Tracking.



## HVAC DESIGN & VALIDATION



- HVAC, AHU and Ducting Design.
- HVAC Grouping, Ahu Filtration and Classification.
- Calibration, Mapping, Testing and Validation.

## INSPECTION AND TESTING

- Pre and Post inspection Planning.
- Visual Inspection and Performance Evaluation.
- Non-Destructive testing and Safety Checks.
- Documentation and Reporting.
- Compliance Verification.





# SAFETY & DOCUMENTATION

- ⚙️ Hazop Study Process and Plant.
- ⚙️ Q.A.P, Q.M.S, Site Master and Drug Master file as per ICHQ7.
- ⚙️ S.O.P Preparation, Design Qualification, Installation Qualification, Performance Qualification and Performance Qualification or Validation.



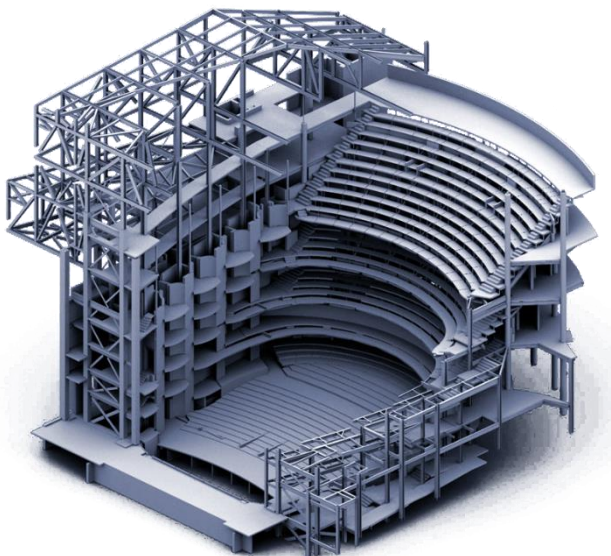
## OUR SOFTWARES SKILL

### BASIC

- 🖥️ AUTOCAD-2024.
- 🖥️ AUTOCAD PLANT 3D.
- 🖥️ AUTOCAD STRUCTURE.
- 🖥️ AUTOCAD P & ID.
- 🖥️ AUTOCAD MEP.

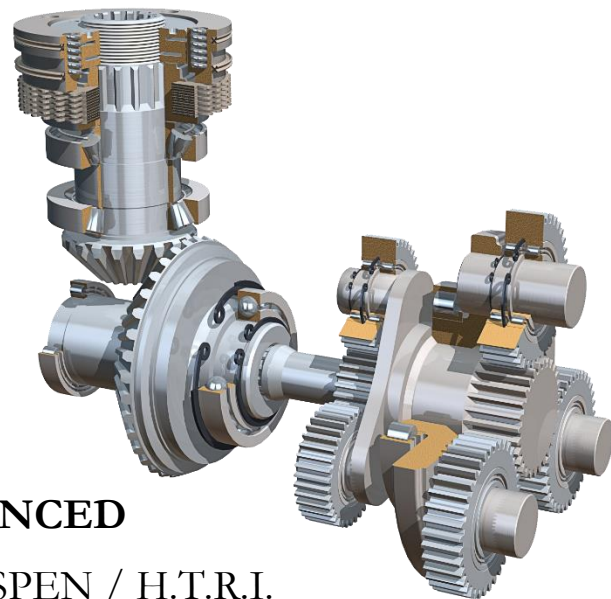
### MODERATE

- 🖥️ SOLID EDGE./WORKS
- 🖥️ PDMS / PDS.
- 🖥️ PRO-E/CREO.
- 🖥️ SMART PLANT 3D.



### ADVANCED

- 🖥️ ASPEN / H.T.R.I.
- 🖥️ PV ELITE / E-TANK
- 🖥️ STAAD PRO / TEKLA.
- 🖥️ CAESAR II.
- 🖥️ NOZZLE PRO.





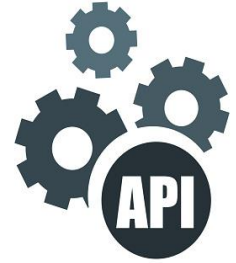
# DESIGN ↔ CODE



American Society  
of Mechanical  
Engineers



American Society  
FOR TESTING &  
MATERIAL



Application  
Programming  
Interfaces



Good  
manufacturing  
practice



Oil Industry Safety  
Directorate



INTERNATIONAL  
ORGANIZATION FOR  
STANDARDIZATION



## Our Clients

**N**eogen Chemical Limited , **Al**-Ghareem (Iraq), **Al**-Shakur (Jordan), **S**imon India Ltd.,  
**B**odal Chemical Ltd., **F**armson Pharmaceuticals Pvt.Ltd., **A**AP Chem.  
**P**an Drugs Limited., **C**horus Pharmacies Pvt.Ltd., **P**anoli Intermediates Pvt.Ltd.  
**C**elaxis Bioscience Pvt.Ltd., **T**echin Process Technologies Pvt. Ltd.  
**M**ajdha Industries Pvt.Ltd., **D**hanlaxmi Chemical., **G**hanshyam Intermediates.,  
**I**neos Styrolution India Ltd., **Q**ualikems Lifesciences Pvt.Ltd.,  
**S**hiva Engineering Service., **N**andesari Drugs & Pharmaceuticals Pvt.Ltd.  
**G**ujarat Mitul Petro-Pharma Pvt.Ltd., **O**msukti envirocare Pvt.Ltd.,  
**H**eubach colours Pvt.Ltd., **S**hiva Pharmachem Ltd., **T**oral Chemical.,  
**F**ibro Grats Pvt.Ltd., **U**niversal Organic., **S**olar Equipment Pvt.Ltd.,  
**C**SK Engineering Works., **C**hemtech Intermediates Pvt.Ltd., **R**eliable Inc.  
**J**yoti Fiber Glass., **S**teelart Engineering Works., **T**anisha Engineers.,  
**A**grawal Tanks & Aligned works., **A3** Engineering.,  
**E**skay Construction., **C**hemie Prozessors., **A**gile Manufacturing Equipments.  
**A**sian Sky Infrastructure., **V**G Engineers Pvt.Ltd., **M**arckwell Engineering.,  
**S**abari Engineering Services., **A**nd Many More.



# Contact Us

We love hearing from you! Here are some simple ways to get in touch with us...



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+91 9601568036



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Undera, Vadodara - 391330.



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<https://www.youtube.com/@ravidarji1440>

