



ProDes Consulting Engineers Pvt. Ltd.
A S P I R I N G I N F I N I T E I N N O V A T I O N S

“Engineering sustainable infrastructure with innovation, integrity, and impact.”

CONSULTING

EXPERT

We can handle everything you need on the construction project

www.prodes.co.in



HI

THERE!

ProDes is a leading creative agency specializing in transforming ideas into exceptional experiences through innovative and impactful design solutions.

With a team of visionary designers, skilled technicians, and strategic thinkers, ProDes has established itself as a trailblazer in the industry. This write-up explores the firm's key attributes, design philosophy, core services, and notable projects, showcasing its commitment to excellence and client satisfaction.



» About Company



Our History

ProDes Consulting Engineers Pvt Ltd is a detailed design and engineering firm that was founded in the year 2011. The company specializes in providing detailed engineering services for various disciplines. Over the course of more than 15 years, ProDes has successfully completed more than 150 projects in the field of detailed engineering and design services. These projects have been undertaken in collaboration with renowned consultants and clients from around the world.

At ProDes, we believe that design is not just about aesthetics; it is a powerful tool that can shape emotions, solve complex problems, and create meaningful connections. Our design philosophy revolves around three fundamental principles: innovation, functionality, and user-centricity. By combining these elements, we craft remarkable designs that captivate audiences, deliver seamless experiences, and exceed expectations.



Our Vision

To be a trusted leader in delivering innovative and sustainable engineering solutions that shape resilient communities.



Our Mission

Our mission is to provide high-quality, efficient, and sustainable engineering consultancy and EPC solutions across diverse infrastructure sectors. We aim to integrate advanced technologies with practical design approaches to deliver projects that are cost-effective, environmentally responsible, and future-ready. By maintaining strong client relationships, ensuring technical excellence, and adhering to global standards, we strive to create lasting value for communities, stakeholders, and the environment.

» Our Strengths



Multidisciplinary Expertise

Strong capabilities across water, irrigation, structural, solar, and infrastructure sectors under one roof.



End-to-End Solutions

From planning and design to execution (EPC), ensuring seamless project delivery.



Client-Centric Approach

Customized solutions tailored to client needs with a focus on quality and timelines.



Sustainability Focus

Commitment to eco-friendly and resource-efficient engineering practices.



Technical Excellence & Innovation

Use of modern tools, advanced design techniques, and continuous improvement in engineering practices.

» Director's Profile



Mr. Rajiv Ranjan Prakash

(B. Tech. Chemical Engineer)

“ Having 15 years of experience in MNC Consult designing treatment plants. WTP/STP using SBR, MBR, MBBR etc., Technology, Renewable Energy. ”



Ms. T Devyani

(B. Tech. Electronics and Instrumentation)

“ Having 15 years of experience in TCS As Senior SAP Consultant In CMMI Level 5, Tata Consultancy Services Ltd. ”

» How We Work



Creativity and Vision :

ProDes fosters a culture of innovation, encouraging its team to think beyond conventional boundaries and explore fresh perspectives. The firm's designers possess a keen eye for detail and a natural ability to envision unique concepts that push the limits of imagination.

Collaboration and Partnership :

The firm understands that great designs are born through collaboration. ProDes values strong partnerships with clients, actively involving them in the design process to ensure their visions are accurately translated into reality. The team also collaborates internally, harnessing the collective expertise of multidisciplinary professionals to achieve holistic design solutions.



Technical Expertise :

ProDes prides itself on its technical proficiency, leveraging cutting-edge tools and technologies to bring designs to life. The firm's skilled technicians are adept at employing state-of-the-art software, prototyping techniques, and manufacturing processes to deliver flawless end products.

» Our Services

Design & Consultancy Services

1. Water & Waste Water Engineering

Engineering



Site Visit

Thoroughly assess the location.

Procurement



Source & Deliver

Quality Materials.

Commissioning



Installation

Construct & activate the plant.



Planning & Designing

Create a detailed design plan.



Construction

Construct & activate the plant.



WTP & Waste Water Components

- Process Units, Equipment & Tanks
- Mechanical Works.
- Piping & Valve Works.
- Chemical Storage Tanks.

WTP & STP Plant Components

- Electrical & Instrumentation.
- Control Room & DG Sets.
- SCAD & Automation.
- Sludge Treatment Systems.

» Our Services

Design & Consultancy Services

2. Irrigation Engineering



Govt. Contracting for Irrigation

- ✓ Perform government contracting work for irrigation infrastructure.



Estimation & BOQ

- ✓ Prepare cost estimates and bills of quantities.



Remedial Measures & Solutions

- ✓ Identify and address weaknesses and damage.
- ✓ Provide efficient solutions for existing networks.



Site Visits & Data Collection

- ✓ Conduct on-site assessments.
- ✓ Collect data on canals, dams, and overall network condition.



Tender Document

- ✓ Draft Tender Documentation.
- ✓ Technical Specifications.
- ✓ Bid Evaluation Support.



Design & Engineering

- ✓ Detailed Drawings.
- ✓ Hydraulic Structure Analysis.
- ✓ System Optimization.



» Our Services

Execution Based Services

1. Solar Energy

Engineering



Site Visit

Thoroughly assess the location.

Procurement



Source & Deliver

Quality Materials.

Commissioning



Installation

Construct & activate the plant.



Planning & Designing

Create a detailed design plan.

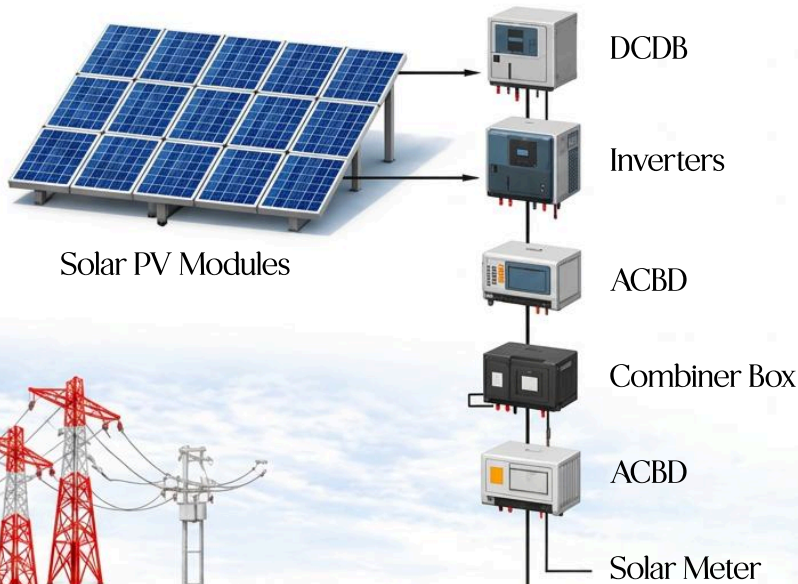


Construction

Construct & activate the plant.



Solar Panel System Diagram



Solar Panel System Components

- Solar Photovoltaic Modules
- On Grid Inverter (String Inverter)
- Solar Module Mounting Structure with Accessories
- DC Cable & AC Cable
- ACDB & DCDB Box
- Lightning Arrestor, Earthing cable and Earthing copper rod with Chemical Bag
- Bi-Directional energy meter from DISCOM As per Govt. Standard.

» Our Services

Execution Based Services

2. HVAC Design & Installation

System Design



Load Calculation

Determining heating & cooling requirements.



Equipment Selection

Choosing the right HVAC units.



Ductwork & Layout

Designing efficient air distribution.

Installation Process



Site Assessment

Evaluating the installation area.



System Installation

Mounting & connecting HVAC components.



Testing & Commissioning

Ensuring optimal performance.

Benefits of Professional Installation



Improved Efficiency

Better energy savings.



Enhanced Comfort

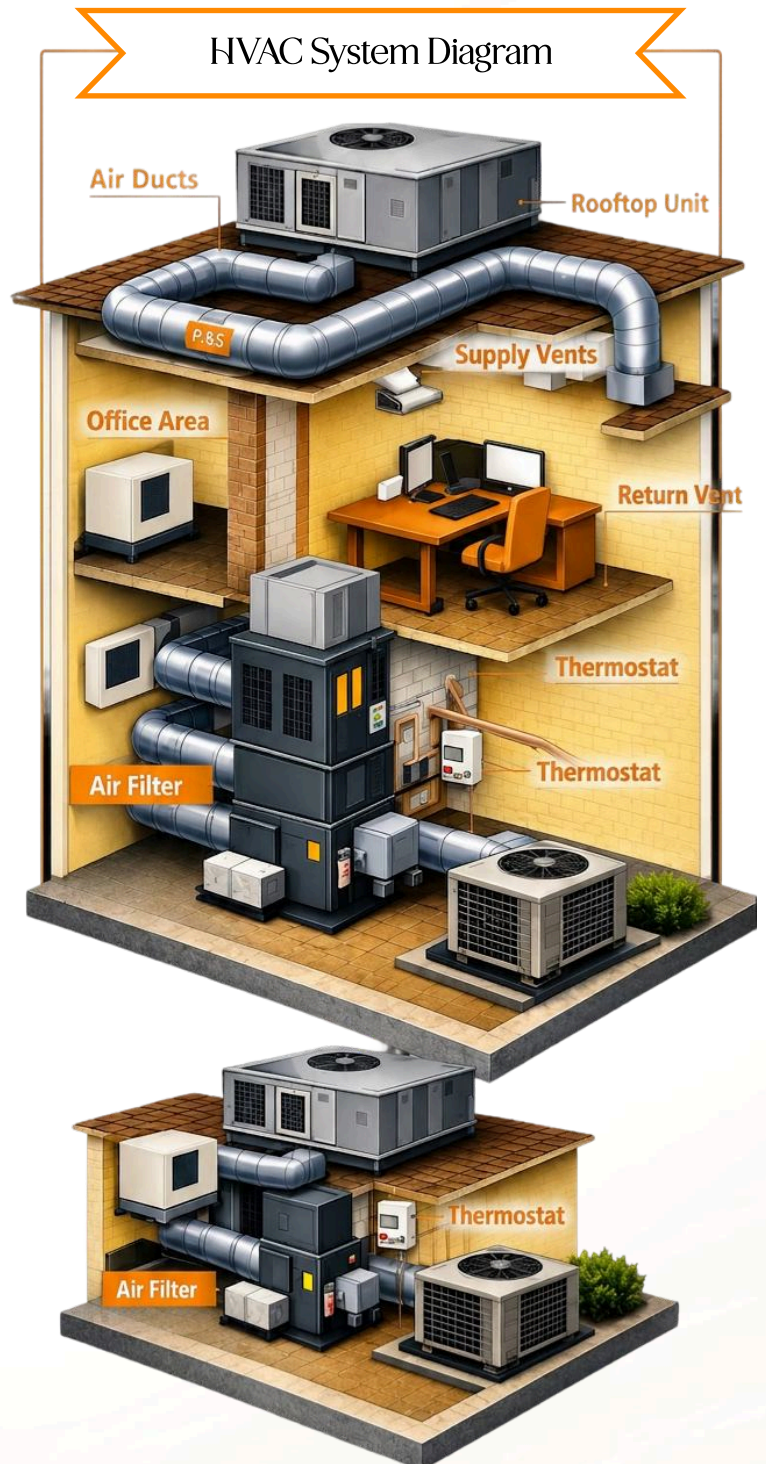
Consistent heating & cooling.



Increased System Longevity

Reliable, long-lasting operation.

HVAC System Diagram



» Our Services

Execution Based Services

3. Fire Fighting System

System Design



Water Supply Calculation

Assessing water flow requirements.



Hydrant Layout

Placing hydrants strategically for coverage.



Equipment Selection

Choosing appropriate fire hydrant equipment.

Installation Process



Site Assessment

Evaluating the installation area.



System Installation

Installing hydrant components and piping.



Testing & Commissioning

Ensuring operational functionality.

Benefits of Professional Installation



Enhanced Safety

Effective early fire suppression.



Compliance Assurance

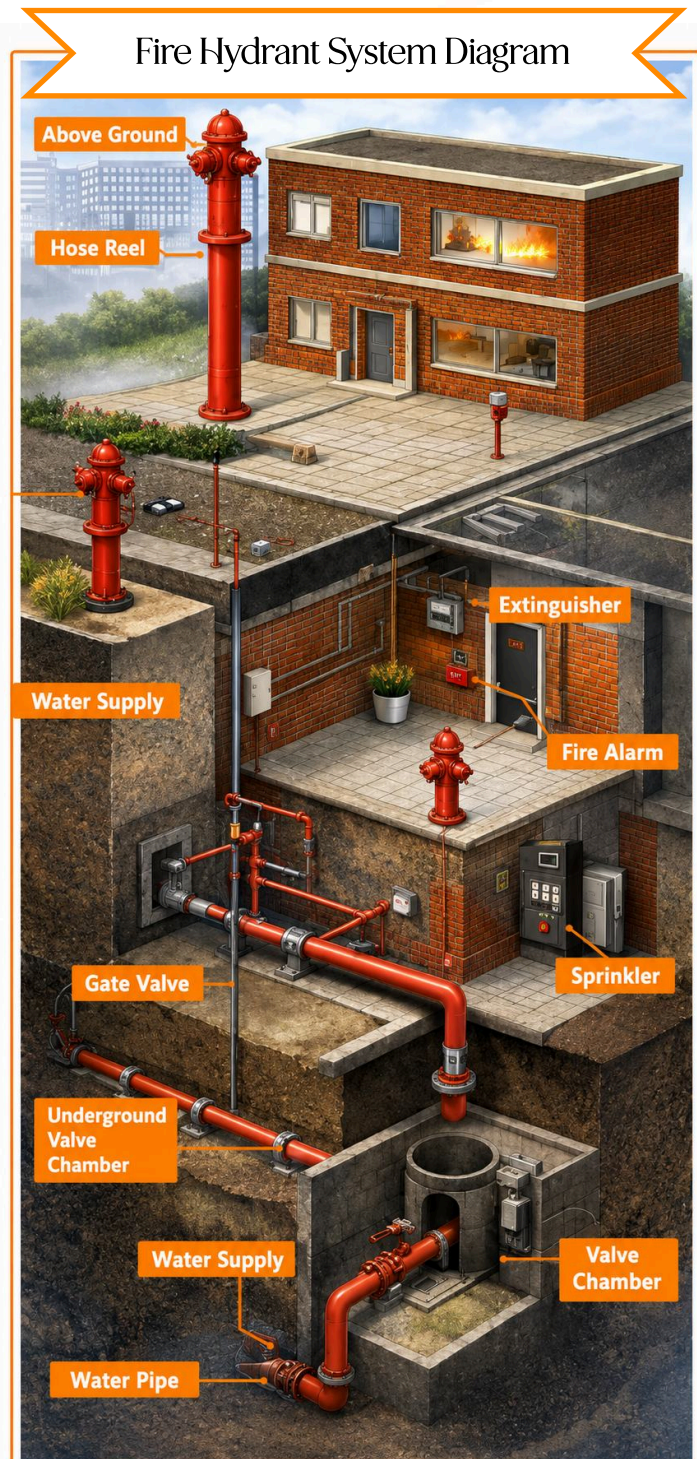
Meeting fire safety codes & standards.



Reliable Operation

Dependable, long-lasting performance.

Fire Hydrant System Diagram



» Our Services

Execution Based Services

4. Electrical & ELV Solutions

Engineering



Site Visit

Thoroughly assess the location.

Procurement



Source & Deliver

Quality Materials.

Commissioning



Installation

Complete Cable, CCTV & Power Systems.



Planning & Designing

Create a detailed design plan.



Construction

Construct & active the plant.

Cabling & Networking

CCTV & Security Systems

Power & Electrical Work

Smart Building Automation



Our Services

- Structured Cabling & Data Networks.
- Fiber Optic Installation.
- Access Control & Intercom.

Key Solutions

- Electrical Panels & Wiring.
- Backup Generators & UPS.
- Security & Surveillance Integration.
- Lighting & Power Distribution.

Collaboration And Partnership

By combining our industry expertise with a strong partner ecosystem, we deliver reliable, innovative, and efficient solutions tailored to meet evolving industrial and environmental demands.

A. Adhesive Export & Import

We specialize in facilitating the sourcing and supply of high-quality industrial adhesives, serving a wide range of sectors including construction, manufacturing, and infrastructure development. Through our robust supply chain network and strategic international partnerships, we ensure timely delivery, consistent product quality, and adherence to global standards. Our solutions are designed to meet diverse application requirements, supporting operational efficiency and reliability across industries.



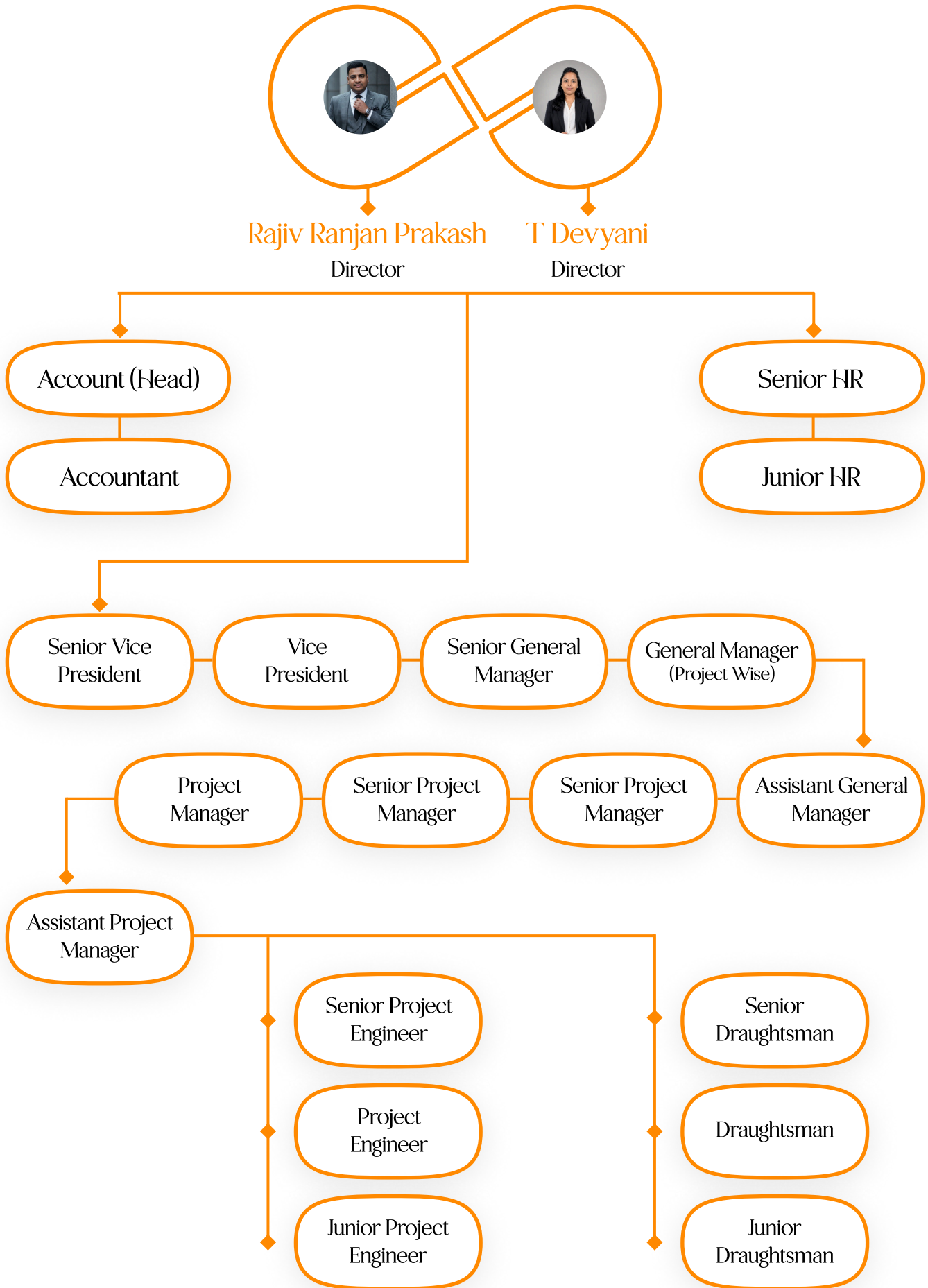
B. Manufactures Of MEE Plants

We work closely with our partners to deliver the following specialized systems:

- ✓ Agitated Thin Film Dryers (ATFD)
- ✓ Forced Circulation Evaporator Plants
- ✓ Caustic Recovery Plants
- ✓ Product Concentration Plants
- ✓ Stripping Systems for Solvent Recovery
- ✓ Falling Film Evaporator Plants
- ✓ Vacuum Crystallizer Systems
- ✓ RO Plants, ETP & STP Plants
- ✓ Water Desalination Plants
- ✓ Multiple Effect Evaporation Systems (MEEP)
- ✓ Vacuum Pumps & Steam Jet Ejectors
- ✓ MVR (Mechanical Vapor Recompression Systems)



» Our Team



» Our Trusted Clients



Delivering Excellence in Engineering Solution

ProDes consulting Engineers Pvt. Ltd. is a leading engineering consultancy firm dedicated to delivering innovative and cost-effective solutions, with years of experience, we are assured to quality, integrity, and client satisfaction. Our expertise spans various industries, providing customized services that meet the unique needs and goals of each client, ensuring innovative solutions and measurable results. **Partner with us and experience why top companies trust ProDes for their critical engineering projects.**





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Get In Touch

ProDes is a trailblazing design agency that combines
creativity & technical expertise



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