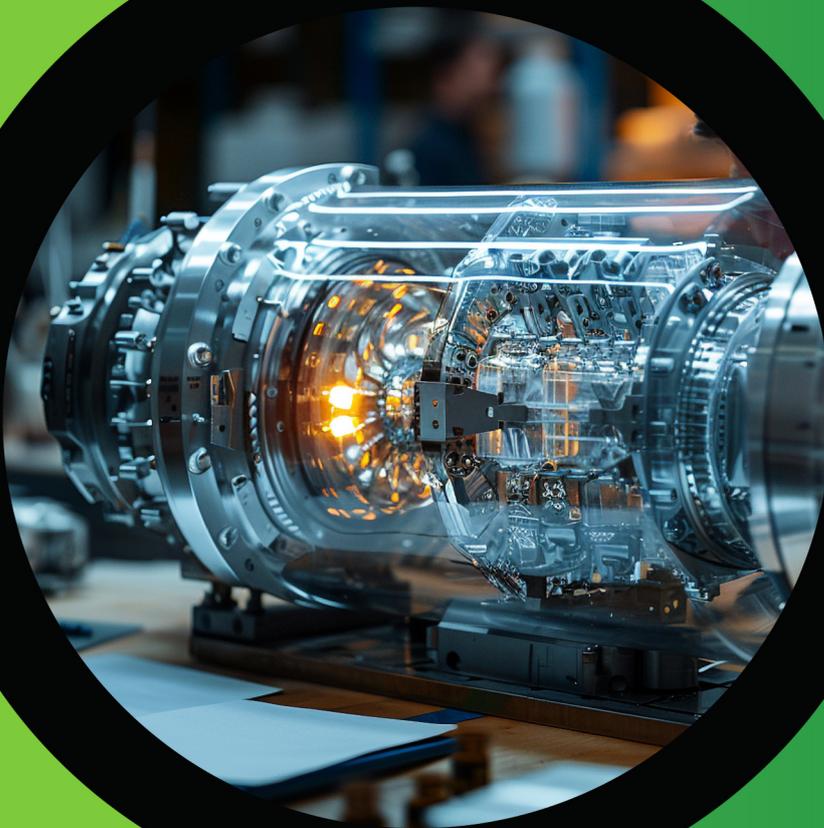


Renechip

Live..

Imagine..

Design...



Who we are

Renechip is a global company headquartered in Chennai, Tamil Nadu, India. With over 20+ full-time employees and serving more than 100 clients worldwide, we are poised for the next level of success.

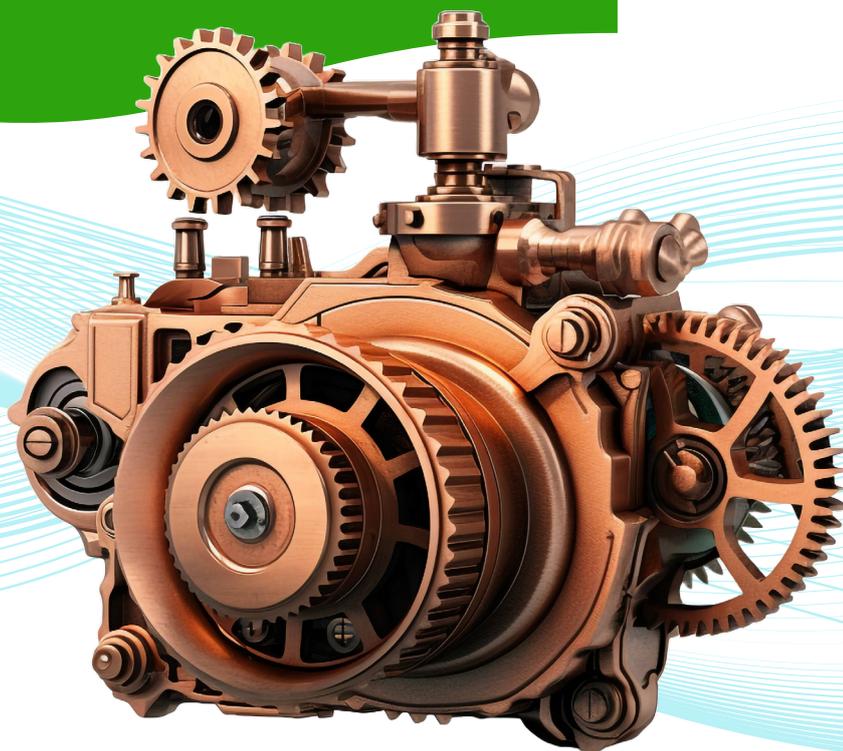
Engineering is at the core of Renechip's identity, enabling us to transform our customers' ideas into reality. By partnering with us, you gain a dedicated team attuned to your needs, capable of turning product concepts and design ideas into tangible outcomes. Our dynamic teams are scalable, effectively becoming an extension of your own team, aligning with your vision, mission, and core values. We offer a virtual office engagement model for outsourcing your design and drafting needs within the Industry.

Our talent pool consists of engineers and architects with extensive domain expertise in civil, mechanical, architectural, and graphic disciplines. They are committed to delivering knowledge and process-driven solutions with the highest level of accuracy. We take pride in our zero-error delivery, ensuring that our customers receive the best possible outcomes.

Founded in 2013

HQ: Chennai, Tamilnadu

100+ Customers



Vision, Mission, and Values

Our mission is to establish lasting collaborations that foster ongoing development for our clients, Indovancions, and all stakeholders.

Our vision is to inspire and elevate businesses globally through expertise and dedication.

The values that make us what we are

Indovance leaders are empowered to make decisions but actively and continually seek ideas and input from all stakeholders when making both operational and strategic choices. All significant decisions are guided by the company's "Core Values and Beliefs." We believe great ideas can come from any level of the organization, so we encourage and value open communication for continuous improvement and the long-term health of the company.



Curious



Collaborative



Vibrant



Adaptive



Dependable



Having empathy



Willing

Our Engineering Services Overview

Renchip offers Engineering Services specializing in Product Design and Validation for manufacturing industries across the globe. We possess extensive experience and expertise in identifying, understanding, executing, and managing critical projects for Fortune 500 Global Clients. 's dependable service is achieved through rigorous adherence to proven processes and methodologies. Our Offshore Development Center in India ensures timely and high-quality solutions.

Industrial Automation:

- PLC, HMI & Scada Programming
- Industrial Networking
- MES Programming
- Control Panel Design
- Motion Control Engineering and Servo Systems
- Embedded Development and Embedded Programming
- IOT

Industrial Design:

- Drafting and Modelling
- Simulation and Analysis
- Prototyping
- CAD Drafting
- Life Cycle Management
- Product Design(2D/3D Drafting)

3D Modeling and Analysis:

- CATIA
- Autocad
- CREO
- Solidworks
- ANSYS

CAD/CAM/CAE Services:

- Designing
- Analyzing
- Drafting and Modeling

Technology:



- AI & Machine Learning
- Devops Consulting
- Data & Analytics
- Web App Development
- Mobile App Development
- Wearable App Development
- TV & Desktop App Development
- E-Commerce
- Quality Assurance & Testing
- Cloud Services
- Robotic Process Automation(RPA)
- Cyber Security
- Virtual Reality & Augmented Reality

Experience Design:



- UI/UX Design
- Human Machine Interface
- Design System Development

Branding:



- Brand Consulting
- Logo Design
- Industrial/Product Design
- Graphic Design
- 2D/3D Visualization

Digital Marketing:



- Search Engine Optimisation
- Social Media Management
- Performance Marketing
- Content Marketing
- Marketing Automation
- Analytics

Few of our Engineering Services include

- ▶ 3D Modelling
- ▶ Product Development and Engineering
- ▶ CAD Drafting
- ▶ Reverse Engineering
- ▶ Rapid Manufacturing
- ▶ Mechanical Engineering Services
- ▶ Creative Services
- ▶ Mechanical Designs

3D Modelling

3D modeling is essential for creating detailed digital representations of physical objects using advanced CAD software. Our specialized services cater to diverse industries, offering precise models that visualize concepts, support prototyping, and optimize manufacturing processes. We ensure customization to meet specific client needs, seamless integration into workflows, and rigorous quality assurance for accuracy and reliability in every project.

CAD Drafting

Our CAD Drafting services deliver precise and detailed technical drawings crucial for product development and manufacturing. We specialize in creating accurate 2D and 3D CAD drawings that comply with industry standards and client requirements. Our services include developing detailed 2D floor plans and technical diagrams, creating realistic 3D models, converting 2D drawings to 3D and vice versa, and producing accurate as-built drawings of existing structures. We also offer ongoing drafting support to keep all drawings up-to-date. Using advanced CAD tools and techniques, we ensure meticulous detail and smooth transitions from design to production.

Product Development and Engineering

Our Product Development and Engineering services cover the entire product lifecycle, from initial concept to final production. We focus on turning ideas into innovative and functional designs that meet industry standards and client specifications. Our key services include concept design, 3D modeling, prototyping, testing and validation, and manufacturing support. By utilizing cutting-edge tools and technologies, we deliver high-quality, efficient, and cost-effective solutions, ensuring your products are ready for market success.

Reverse Engineering

Our Reverse Engineering services allow for the detailed analysis and recreation of existing products to understand their design, functionality, and manufacturing processes. This service is invaluable for reproducing parts, enhancing designs, or gaining insights into competitor products. We utilize advanced 3D scanning to capture precise digital models of physical objects, analyze the data to comprehend the original design intent, and reconstruct accurate 3D models. Additionally, we identify opportunities for design improvements and create detailed technical drawings and documentation for manufacturing.

Material flow simulation

Renechip Simulation, based on the Starter or Professional versions, is aimed specifically at system integrators. It offers a parametric library for the simulation of physical and path-based material flow systems such as accumulation conveyor technology, driverless transport systems, power & free systems and sorters. This solution facilitates the visualization, simulation and virtual commissioning of conveyor technology systems, optimized for efficiency and realism in the planning phase.



Rapid Manufacturing

Rapid Manufacturing, or rapid prototyping, accelerates the production of functional prototypes and end-use parts directly from digital designs using advanced 3D printing technologies. This process bypasses traditional tooling, reducing lead times and costs, and allows for the creation of complex geometries and customized products. It enables rapid iteration and testing, supports low-volume production, and meets specific customer needs efficiently. Rapid Manufacturing revolutionizes product development with its speed, efficiency, and flexibility.

Creative Services

Our Creative Services are designed to empower brands through compelling design solutions and strategic communication. We specialize in graphic design, web design, digital marketing, video production, photography, copywriting, brand strategy, and print design. From crafting impactful visuals and user-friendly websites to developing engaging content and comprehensive brand strategies, we cater to diverse marketing and branding needs. Our approach blends creativity with strategic insights to ensure effective communication and brand differentiation in today's dynamic market. We leverage industry trends and innovative technologies to deliver exceptional results that resonate with audiences and drive business growth.

Mechanical Engineering Services

Our Mechanical Engineering Services encompass every stage of product development and manufacturing, delivering expertise in conceptual design, precise CAD modeling, and rigorous Finite Element Analysis (FEA) for optimizing performance and durability. We specialize in rapid prototyping to validate designs efficiently and ensure they meet stringent quality standards. Our Design for Manufacturing (DFM) approach enhances production efficiency and cost-effectiveness. We continuously refine product functionality through iterative improvements and provide detailed technical documentation to support manufacturing processes.

Mechanical Designs

Mechanical designs are the backbone of product development, ensuring functionality, efficiency, and reliability. Our specialized team excels in creating intricate mechanical designs using state-of-the-art CAD software, enabling precise 2D and 3D modeling. We emphasize rigorous simulations and analyses to validate designs, ensuring they meet stringent performance standards. Incorporating Design for Manufacturing (DFM) principles, we optimize designs for seamless production processes & cost effectiveness. Prototyping and testing are integral to our process, allowing us to refine designs and enhance performance before production. With a focus on innovation and quality, we deliver tailored solutions that drive excellence in mechanical engineering and meet diverse client needs across industries.



Service Verticals

Construction Engineering

Architectural Services

CD, DD, SD Documentation
As-built Drawings
CAD/Legacy Conversion
Landscape
Space Planning

Lumber & Millwork Services

Timber Framing
Casework Shop Drawing

Rendering and Animation

3D Visualization
Walkthrough



Building Services

Structural Design & Drafting

Façade Engineering
RCC and Steel Structural Design
Structural 3D Modeling
Rebar Detailing

Building Facility

Management
MEP Shop Drawings
MEPF CAD Modeling and Drafting
Fire Safety



Infrastructure Engineering

Land Development & Master Planning

Landscape
Residential Commercial Subdivision
Strom Drainage Network
Grading
Urban Planning

Land Survey & Geo Technical Engineering

Topo Survey
Alta Survey
Boundary Survey
Route Survey

Transportation & Traffic

Roadway Design
Pavement Design
Traffic Engineering

GIS Mapping

Telecommunication Service
Basemap Services

“

Together we have grown and evolved, facing challenges and celebrating wins in our long association. Working with Indovance is like having an extended team.

”

BIM

BIM Execution Plan

BIM Clash Detection
BIM For Infrastructure
Quantity Take-off

BIM Modeling

BIM Family Creation
Point Cloud to BIM
CAD to BIM Modeling





Manufacturing Engineering

Mechanical Services

Engineering Change Management
Sheet Metal Design
3D Part Modelling and Assembly
Jigs and Fixture Design Services
CAD Conversion & Migration

Engineering Analysis

Piping Analysis
Linear and Non-linear FEA
CFD

Millwork

Cabinetry
Fixtures
Kitchen Cabinets

Signage Engineering

Design & Drafting

LED Layouts
Face Replacements
Brand Books

Fabrication

Fabrication Drawing
Shop Drawing
Production Drawing

Graphics

Premedia

Image Editing
Prepress
Creative Services
Illustration Services

Publishing

Pagination
Typesetting
Content Digitization



GET IN TOUCH

If you have any questions or would like to schedule a discovery call, please email us your details and we will get in touch with you within 8 business hours.

We are here to provide best service in our sector ,to satisfy our customers in all ways and to help clients pivot from thinking digital to being digital

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