



CHOLAN DYNAMICS

INNOVATE, DEPLOY, FEEDBACK, IMPROVE



Why Choose Us?

We make your product unique and unbeatable. We deploy new technology, design new mechanism to make the product cost effective, reliable, and futuristic. We provide complete product development service from scratch to prototyping

- ✓ Product Development
- ✓ 3D Modelling
- ✓ 2D Drafting
- ✓ Animation & Rendering
- ✓ Product Analysis
- ✓ Prototyping
- ✓ Testing
- ✓ Independent Engineer Service



Our Services



Product Development:

We are a multidisciplinary team of product designers and engineers with design and manufacturing experience across a wide range of industries with extensive NPD experience. From designing inventions for solo inventors and small businesses to assisting large corporations with product design projects and manufacturing, we turn ideas into products. Use our services as needed to get your product made, get help filing patent applications for your new inventions, and produce products for sale.



2D Drafting:

Cholan Dynamics is a leading 2D CAD drafting company that manufactures 2D CAD drawings and prototypes for a range of industries. Our engineering team understands the client's technical requirements and delivers technical drawings to international standards.

We have ready-to-use 2D CAD drafting services for Engineering, Electrical, Mechanical, and other fields. Our clients benefit from our timely, error-free, precise, dependable, followed standard (GD&T) and cost-effective CAD drafting services.

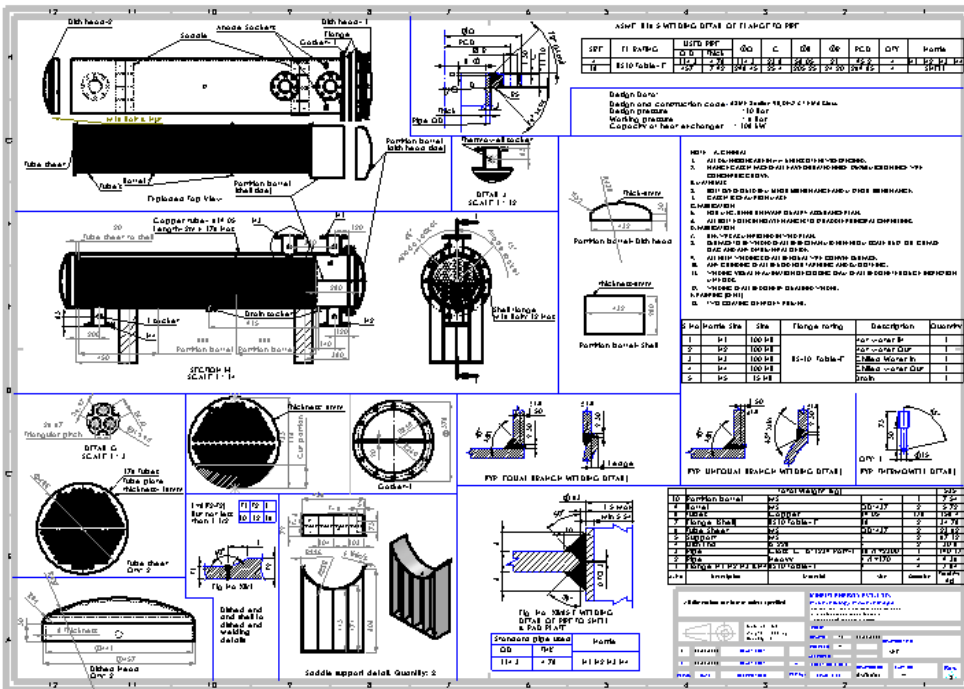
2D & 3D Modeling



3D Modelling:

Simple 2D drawings can make it difficult to grasp the concept of a problem; however, 3D CAD drawings and models can help you grasp the concept and develop it in the future. Cholan Dynamics has a 3D CAD design and drafting team that has worked on several industrial and commercial projects. Cholan Dynamics has qualified experts who can handle 3D software and understand the whole transformation process to turn 2D designs into 3D CAD designs.

As a Product design firm, we excel at catering to your ideas and delivering 3D CAD services. CDPL offers CAD services for a range of applications, including 2D to 3D CAD conversion, 3D CAD Model preparation from hand sketches, and software migration from 2D CAD to 3D models using AutoCAD, SolidWorks, UG NX, and CATIA.





CAD Customization

CAD customization is all about tailoring CAD (Computer-Aided Design) software to meet the specific requirements of users or organizations. It involves making adjustments and enhancements to the software's features and functionalities to create a more personalized and efficient design environment.

Here's a breakdown of what CAD customization entails:

User Interface (UI) Customization: In this aspect, the layout, toolbars, menus, and shortcuts of the CAD software are adapted to suit the preferences and workflow of the user. This allows for quicker access to frequently used tools and commands, making the design process smoother and more intuitive.

Task Automation: CAD customization involves automating repetitive tasks and processes using scripts or custom programs. By automating mundane and time-consuming tasks, designers and engineers can focus more on creativity and problem-solving, ultimately increasing productivity.

Parametric Modeling: Building parametric models that allow users to easily modify design parameters, facilitating rapid iteration and exploration of design alternatives.

Plugin Development: Custom plugins or add-ons are created to extend the capabilities of the CAD software. These plugins seamlessly integrate with the existing software, adding new tools and functionalities specific to the user's needs or industry requirements.

Data Integration: CAD customization facilitates the integration of CAD software with other applications or databases. This enables easy data exchange and collaboration between different teams or software systems, streamlining the design process and promoting effective information management.

Overall, In Simple Words,. We Develop Addins for your CAD Software, In which if you just need to give the Input Dimensions and the software will develop the 3D Model with 2D Drafting. For Better understanding, Click the below link to watch a video on Youtube

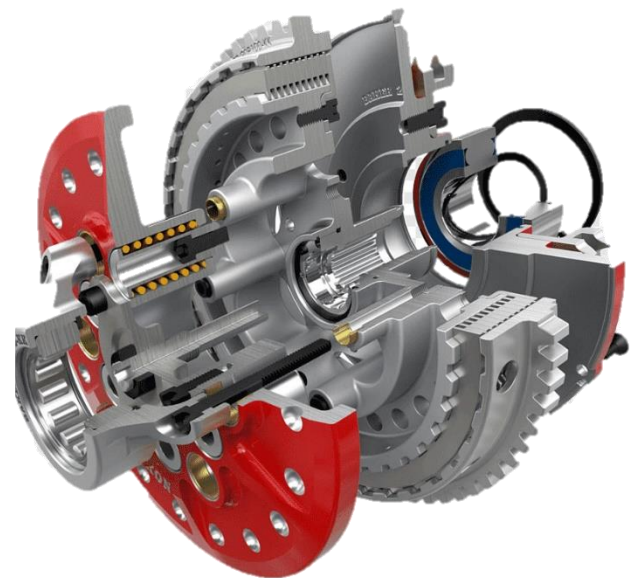




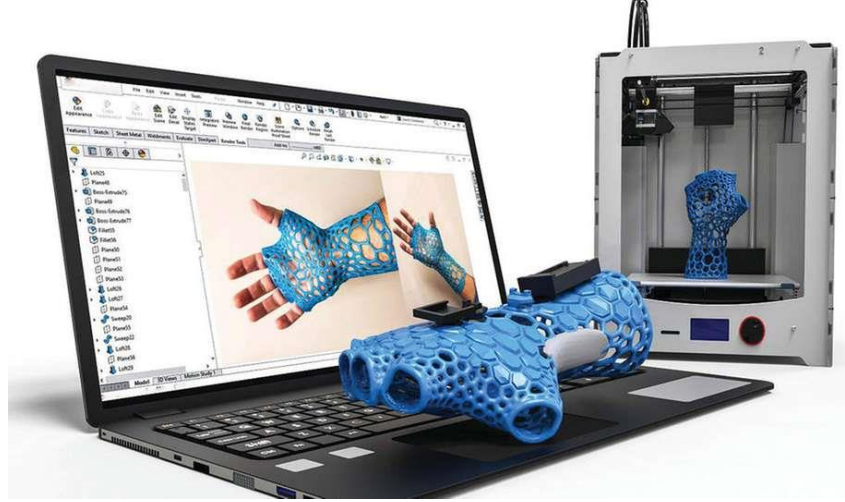
Animation & Rendering

Product animation gives you the ability to showcase your product in previously unseen ways, similar to how live action films do. Beautiful, exploded views, for example, can show all of the products' insides. Another excellent way to convey ideas is through graphics. We can create stunning 2D/3D motion graphics that tell your story in a straightforward and stylish manner.

With more people watching content online every day, capturing and engaging their attention quickly is more critical than ever. Potential clients are likely to move on to a more appealing product, if you don't make an immediate impact. You will increase viewer interest and offer them content that makes them want to learn more about you, by using visual elements, rendering and product animation from CDPL. We are full-service animators who can help you animate existing graphics or develop brand animation for logos, marketing materials, and branding. Our team of infographic creators can also assist you in explaining complicated topics in a way that pops off the board. Taking advantage of our 3D motion graphics services is a wise investment that will pay off in the long run.



Prototyping & Testing



What is 3D Printing?

The method of making three-dimensional structures from a digital file is known as 3D printing or additive manufacturing. The object is made by layering various materials on top of one another. 3D printing allows for the development of complex shapes with high precision by using less materials than conventional manufacturing methods. This technique can be used to make anything from basic prototypes to high-tech objects, including real time operational models. This technology has advanced to the point that it can now be used for efficient mass manufacturing production.

Rapid prototyping strategies have a range of advantages, including:

- Project proposals must be communicated quickly and effectively.
- Validation of design fit, shape, and feature that works
- More design versatility, including the ability to go through several design iterations quickly.
- Better end-products and less production design defects.

What do we offer?

We design models and system as required by the customer go for several revision if required to satisfy the customer and to fulfill the design requirement. If you want to produce an existing product/model replica, we use our 3D Scanners or measure real-time wherever required. We do visit customer place, if required.

CDPL can assist you with quicker, more reliable prototypes for concept testing and analysis to help the manufacturing process move more quickly or with actual large-scale production of custom products.



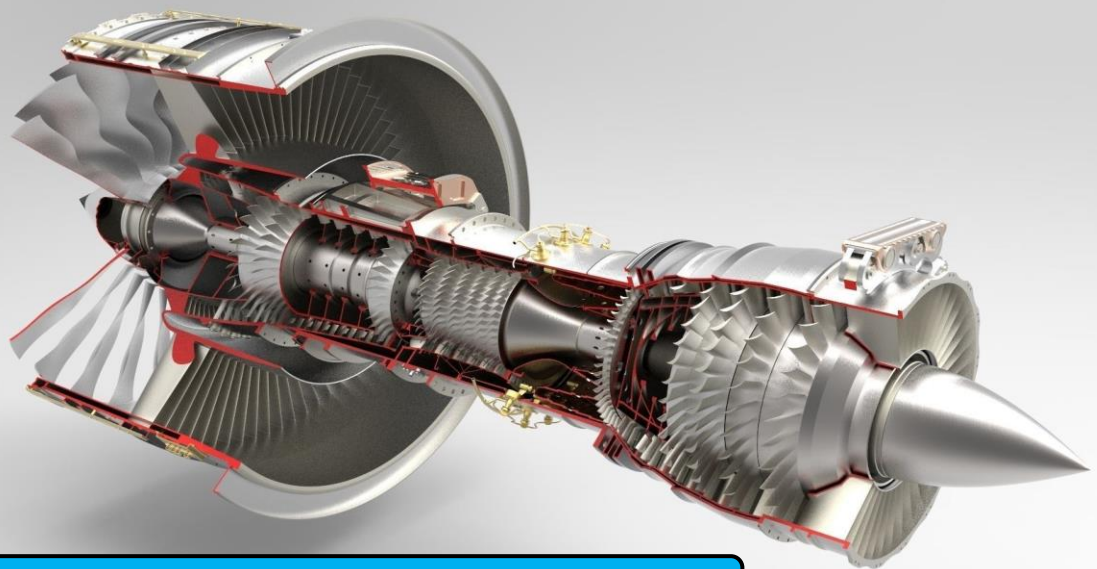
3D Printing Service Gallery :

We provide complete 3D Printing service from conceptualizing, measuring actual size (if existing system), designing and scaling to required size and 3D Printing. The service includes building miniature models which are listed as follows.

- Machine Layout, Floor plan, Piping Layout, Electrical line, Water & sewage distribution etc.,
- Manufacturing plant, office, home, City, town, or anything.
- New Project/ Product scaled model. (This model will help in convincing customer to get the project signed, also give a crystal-clear clarity execution team, and avoid any mistakes, reworks, or wastages.)
- Automobile parts, Machine parts, Cut section view of products for educational purpose, Prosthetics, new concepts etc.,
- Architectural Designs, Sculptures, Action Figures & Statues.
- Complete working model including electric & electronics, acrylic works, metal, or plastic works, whichever required.
- Miniature project/ Product with Actual water flow, air flow model, Heating, and cooling modules or whichever necessary, made for realistic experience.

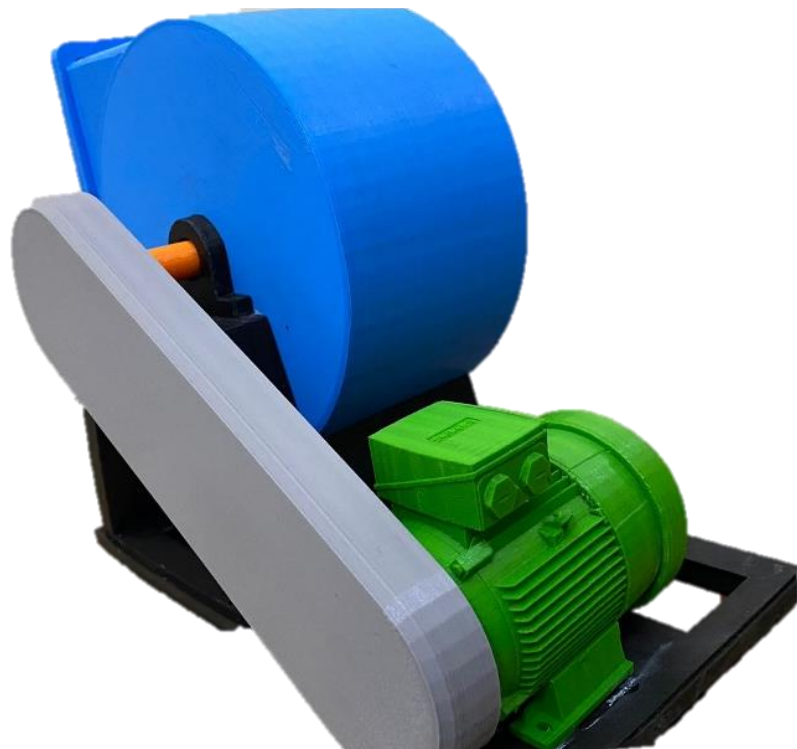
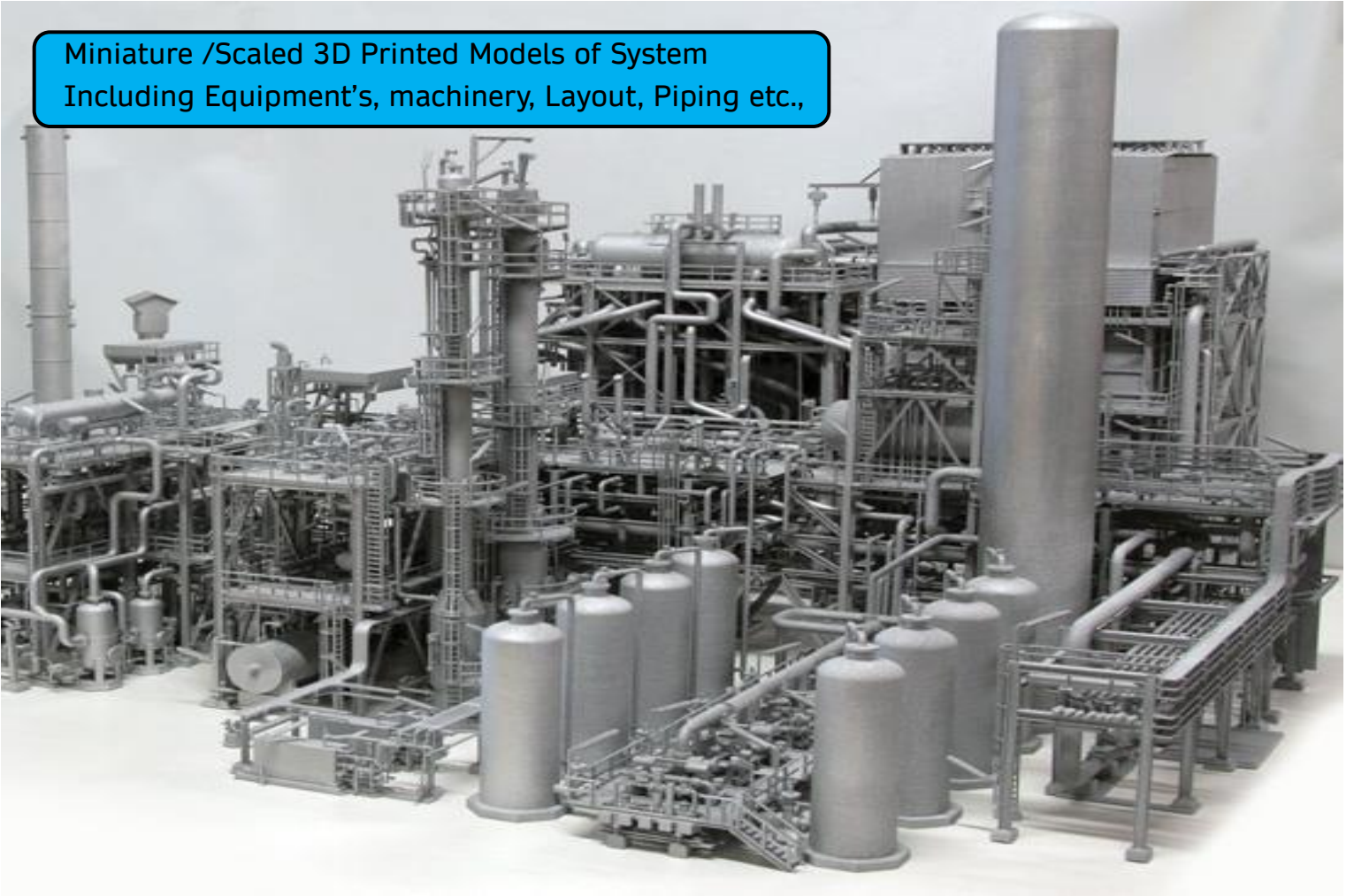
3D Printing Technique: FDM, Resin Printing.

Material: PLA, PETG, ABS, Glow in dark materials, Wood Composite, Carbon fiber composite.

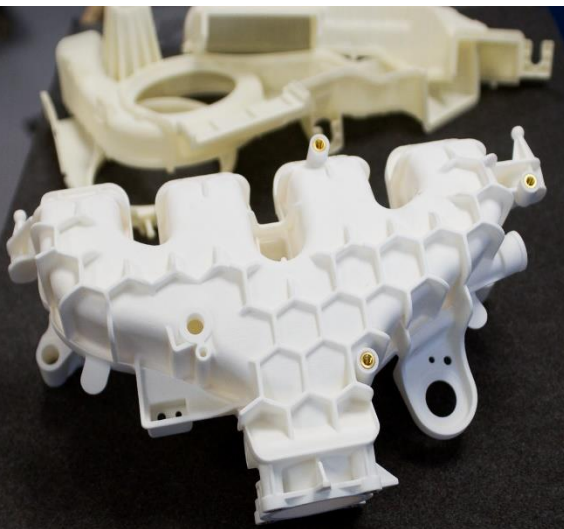


Operational 3D Printed Model - Cut section View

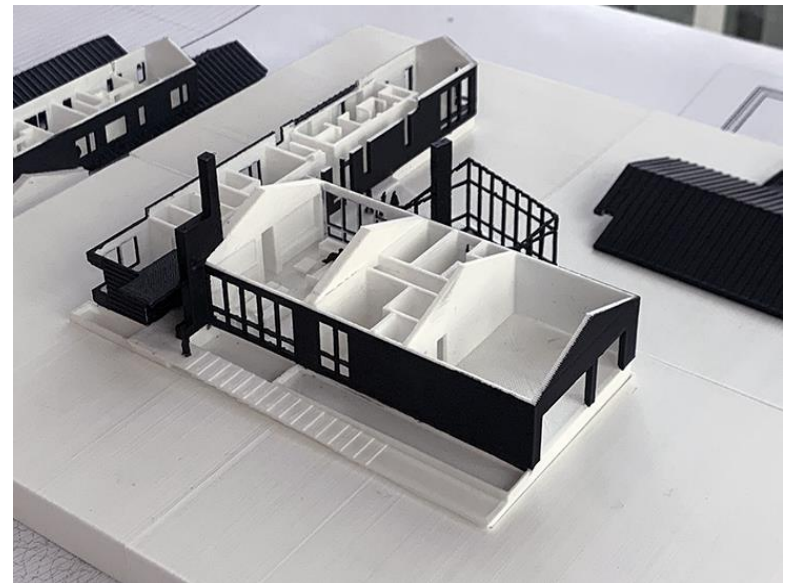
Miniature /Scaled 3D Printed Models of System
Including Equipment's, machinery, Layout, Piping etc.,



Working prototypes



Automobile Parts



Prosthetics

From developing Blueprints to Replicating blueprint /Layout to 3D Models



FLOOR PLAN
150 m²

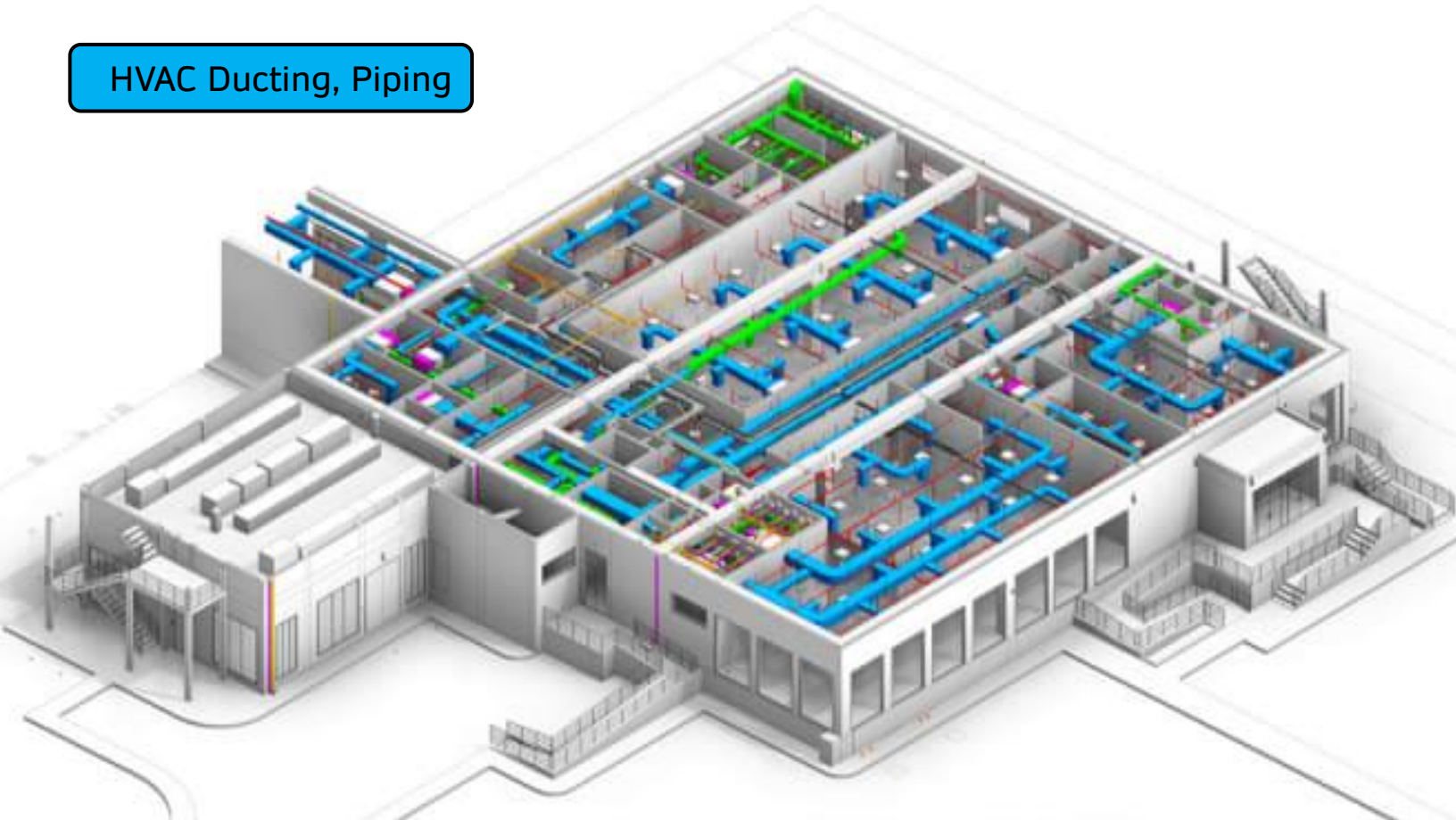


Architectural Designs

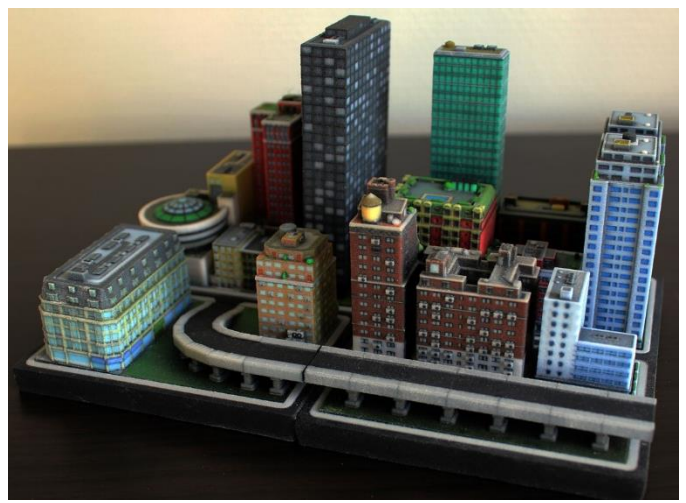


Miniature model of your dream home.

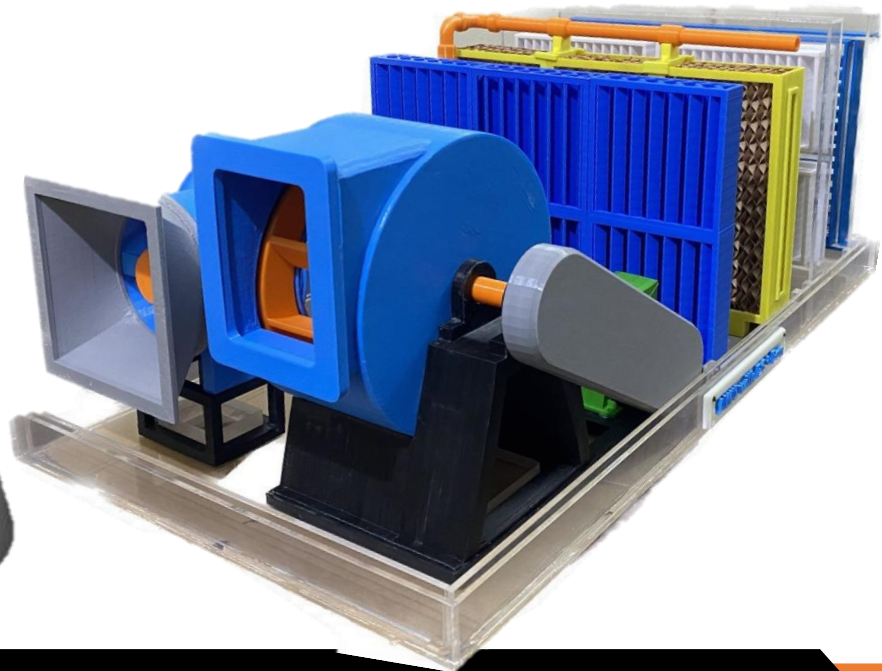
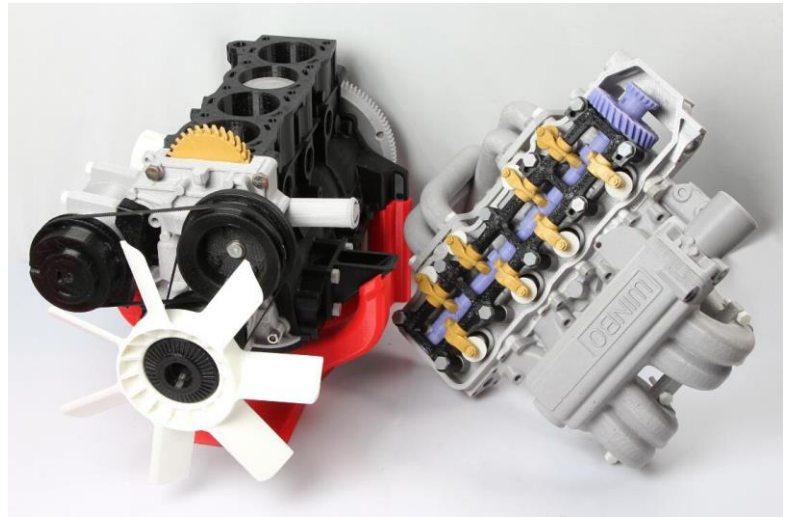
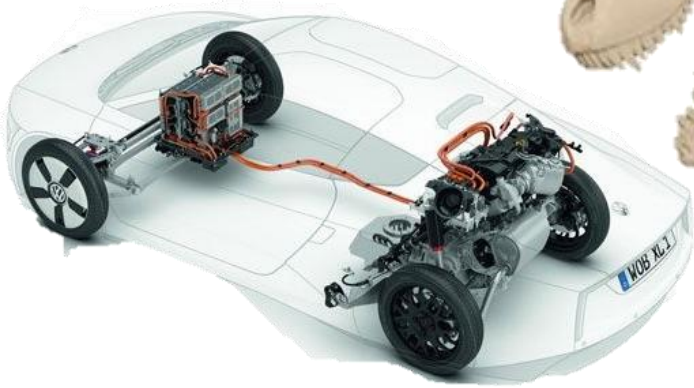
HVAC Ducting, Piping



Miniature /Scaled 3D Printed Models of Building /Home/ Office /City town, or anything. The models can be made from existing or from concept plan.



Sculptures, Action
Figures, Toys & Statues





Independent Engineer Services

At Cholan Dynamics, we specialize in providing top-tier independent engineer services, offering a robust and diverse pool of highly skilled engineers to meet the dynamic needs of your projects. With a focus on delivering excellence and expertise, our manpower supply service is designed to seamlessly integrate our seasoned engineers into your projects, ensuring successful outcomes across various domains.

Key Features of Our Independent Engineer Service:

Expertise Across Multiple Disciplines:

- Our engineers boast extensive experience starting from a minimum of 2 years in the industry.
- We provide professionals with diverse skill sets, covering areas such as product design, animation and rendering, website development, site engineering, data collection, energy audit, and CAD customization.

Tailored Manpower Solutions:

- Whether you require engineers for short-term or long-term projects, we offer flexible durations to suit your specific needs.
- Our pool of engineers is adept at adapting to various project requirements, ensuring seamless integration into your team and processes.

Quality Assurance and Compliance:

- We prioritize quality assurance, ensuring that our engineers adhere to industry standards, regulations, and best practices.
- Our independent engineers perform meticulous technical evaluations, monitor project progress, and address compliance issues, minimizing risks and enhancing project success.

Innovative Solutions:

- Leveraging our engineers' diverse skills, we bring innovative solutions to the table, enhancing the efficiency and creativity of your projects.
- From concept to execution, our engineers contribute valuable insights and technical prowess to drive excellence in every aspect of your undertaking.
- Comprehensive Support:
 - Whether you need engineers for product development, site supervision, or specialized tasks like energy audits, our manpower supply service covers a broad spectrum of engineering disciplines.
 - Partnering with Cholan Dynamics for independent engineer services means securing a dedicated and skilled workforce committed to elevating your project to new heights. Our commitment to quality, flexibility, and innovation ensures that your engineering requirements are met with precision and excellence.

Few of Our Valuable:



Thank You



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