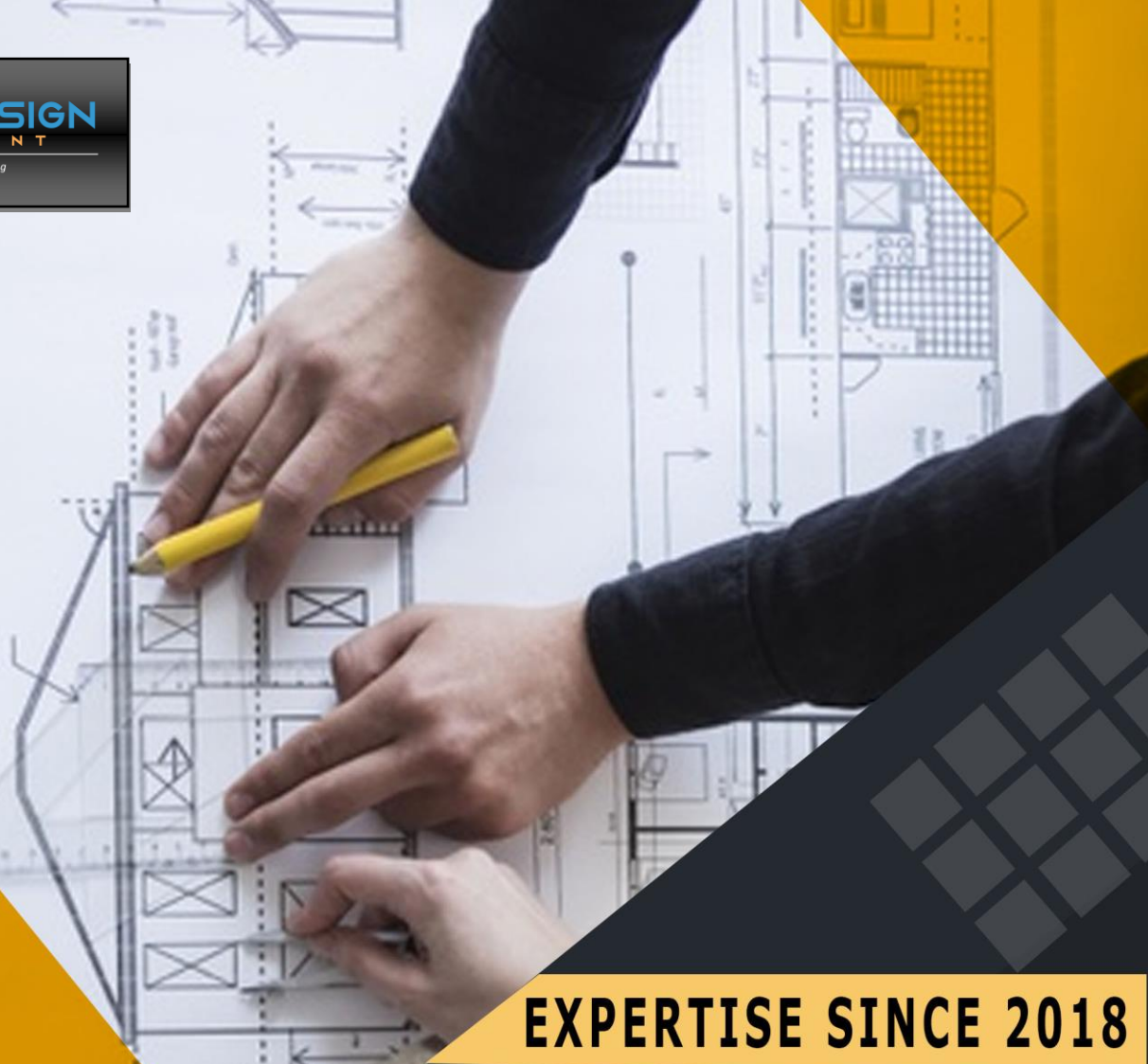




**INSIGHT DESIGN**  
CONSULTANT

The Design For Engineering



**EXPERTISE SINCE 2018**

# DO YOU NEED A **EXPERT ENGINEER**

We Design Your Dream Come True!



**ARCHITECTURE DESIGN**  
HOME | OFFICE | INDUSTRY



**MECHANICAL DESIGN**  
Drafting | 3D Modeling



**CAD DRAFTING**  
2D,3D Drafting Services



**PRODUCT DESIGN CONSULTANT**  
Commercial | Industrial Product Design



**MECHANICAL ANALYSIS**  
Reduce cost and projects timeline



**REVERSE ENGINEERING**  
Disassembly | analyzing | measuring



[www.insightengdesign.com](http://www.insightengdesign.com)



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insightdesignconsultant

## ABOUT US

Insight Design Consultant is established in 2018 and it is subsidiary of Insight Infosystem Private Limited. IDC offers Mechanical Drafting Services, CAD Services, Product Design Services, Architecture Design, Documents Conversion as well as Mechanical Analysis Services. Our team of expert engineers and designers can help convert your conceptual ideas into 3D Models. These models can be used to reduce overhead and operational costs.

Our team is a solidly built group of engineers and designers who have built strong relationships with clients. We are committed to staying up to date in planning, designing, building, and flexibility.

### Our Aims and Core Values

Insight value is at the heart of our business. We have developed a method for guiding our clients and team members as we wish to promote innovation, integrity, accountability, commitment, efficiency, sustainable growth, collaboration, and customizable solutions.

### Why Choose Us?

Working with a trusted partner will ensure your success. Our expertise, insight, and support will help propel your business to greater heights.

Below mentioned are our expertise-

- Customer-centric engagement model
- Employer of 15+ Professionals
- Designs based on project requirements, ability to increase resources
- Delivery of projects within the deadlines proposed
- You have two options for pricing- fixed price or hourly basis
- Client data confidentiality and data security is maintained strictly

We offer solutions to a dynamic environment in which technology and business strategies intersect. We offer quality solutions because of our flexibility and combined with our vast experience and rich resource base.

Insight Design Consultant supports clients in all phases of product development, including construction, automotive, heavy engineering, oil & gas and civil engineering. We have worked on large-scale projects with clients all over India.

### OUR EXPERTISE

- 4+ Years Expertise
- 100+ CAD projects done
- 5+ Certified Designer
- 15 Team strength
- 50+ Machining and fabrication projects

**GET QUOTE : [connect@insightenggdesign.com](mailto:connect@insightenggdesign.com)**

# OUR DESIGN & MANUFACTURING SERVICES

## CAD DRAFTING

- 2D and 3D CAD Drawings
- CAD Conversion
- Fabrication Drawings
- Assembly Drawings with BOM
- Components Drawings
- Manufacturing Detail Drawings
- Mechanical Drafting Drawings
- Casting Drawings
- Sheet Metal Design Drafting
- Millwork & Casework Drawings
- Furniture Drawings
- As-built and Markup Drawings

## MECHANICAL DESIGN

- Converting conceptual sketches and 2D to 3D CAD modeling and PMI annotations
- Developing 2D drafts for fabrication, installation and assembly
- Machine & tool design including fasteners, jigs and fixtures, assembly, part and component models
- Design & specification of material handling equipment including conveyors, cranes, hoist, pig launcher & receivers
- Pump, Compressors & Turbine Design along with heating, cooling and ventilation system designs
- Design specification and stress analysis for pressure vessel, storage tank and piping design

## STRUCTURAL DESIGN SERVICES

- Steel detailing for process industry piping
- Precast and prefabrication joints detailing
- Metal roofs and industrial shelter detailing
- Metal detailing
- Column-Beam joints steel detailing
- Fabrication Drawings
- Working drawings for structures
- Erection drawings & GA diagrams
- Construction Shop Drawings
- Stair Shop drawing
- Revit structural services



## MEP DESIGN & DRAFTING SERVICES

- MEP Design & Drafting
- MEP 3D Modeling Services

## 3D VISUALISATION SERVICES

- 3D Modeling
- 3D Rendering & Animation Services
- 3D Furniture Modeling

## FEA / MECHANICAL ANALYSIS

- Structural Analysis
- Thermal Analysis
- Stress, Fracture , Fatigue Analysis

## REVERSE ENGINEERING SERVICES

Reverse engineering services to help you get detailed 3D models from physical components of any equipment or product.

## PIPING DESIGN & DRAFTING

- Piping Design Services
- 3D Modeling Services
- Piping Stress Analysis

## ARCHITECTURE DESIGN SERVICES

- 2D Plan Drawing | 3D Elevation
- Plumbing | BIM | Structure Drawing
- 3D Rendering & Walk-through Video

## **Mechanical Design / CAD Support**

We provide efficient mechanical support with a highly competent staff of highly skilled, competent and motivated field machinists and heat treatment technicians. Whether your machining and heat-treating requirements are simple or extremely technical and precise in nature; our proven track record in specialty machining and various applications of heat treating allows us to recognize problems, and implement solutions before they materialize.

### **CAD Conversion & 2D Drafting**

Paper to CAD, 2D to 3D, 2D Drafting for manufacturing drawings, assembly drawings and fabrication drawings with BOM

### **Sheet Metal Design**

Solid part to sheet metal, SolidWorks 3D modeling for sheet metal with edges, miter, bends, flanges, rib, gusset, collars and more for DFM requirements

### **Industrial Equipment/Product Design**

Pressure Vessel / Storage Tank, Valves & Fittings, Pumps, Compressors, Turbines, Heat Exchangers, Blowers & Dryers, Mixers & Separators, Industrial Boilers, Furnaces and Burners)

### **Engineering Design Automation**

3D Model & Assembly Creation, Auto generation of 3D models, drawings and documents for engineering-to-order products

### **Technical Documentation Mechanical Animation**

Walkthroughs & Animation

### **Manufacturing Support**

Prototype Design, Vendor Selection & Quality Control



# OUR RATE

## ARCHITECTURE PLAN DRAWING

RS. 4/- PER SQ. FEET

## ARCHITECTURAL WORKS

AR DRAWING, STR DRAWING, ELECTRICAL, PLUMBING, 3D VIEWS

RS. 10/- PER SQ. FEET

## INTERIOR WORKS

INTERIOR DRAWINGS, ELECTRICAL, PLUMBING, FURNITURE LAYOUT, 3D

RS. 25/- PER SQ. FEET

## ALL CAD SERVICES

\$ 7/- PER HOUR

## ALL FEA SERVICES

\$ 12 /- PER HOUR

## TECHNICAL CONSULTANCY

\$ 25/- PER HOUR

## MACHINING / MANUFACTURING

GET QUOTE

## Software Expertise

We deploy latest engineering software and technologies to translate the value of project information into an accurate design output. Our in-house experts are well versed across a wide range of softwares, enabling efficiencies in design, coordination & visualization, analysis and detailing.



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