

# Engineering DNA

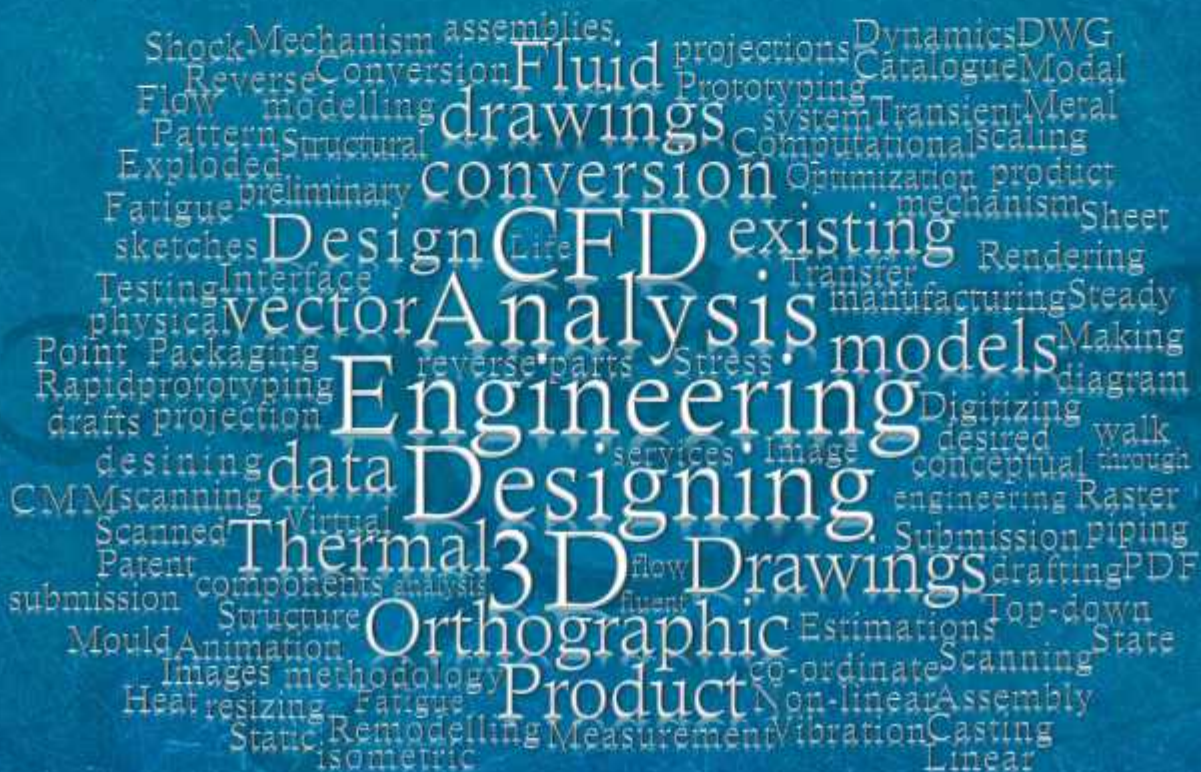
*Your Vision We Create*



## About Engineering DNA

Welcome to the wonderful world of 3D Modelling, Analysis and Rendering. With the advanced features of the software and our technical skills, we convert your vision into reality!

We are a dedicated team of expert professional engineers who provide services of 3D Modelling, Analysis, Drafting, Rendering and Simulation. Our Team can handle complex multi-industrial projects. You can finally rely on an experienced design solution firm in India which can turn your ideas into reality.



# Our Services

## FEA / CFD Analysis

- 2D to 3D
- 3D Modelling
- Product 3D on website
- 3D Rendering
- Product Designing
- Remodelling, resizing, and scaling of existing 3D models
- Conversion of 2D Drawings to 3D Drawings
- Patent Submission Drawings
- Exploded and Detailed Assembly Drawings
- 3D mechanism designing
- Mechanism Animation
- Reverse Engineering
- Point Cloud (3D Scanned) to 3D modelling
- Rapid Prototyping
- Casting Design & Pattern Making
- Sheet Metal Designing
- Scanning Measurement & Digitizing
- 3D scanning / CMM services
- Packaging Design

## Drafting /2D Drawing

- Virtual product Testing
- Design Optimization
- Mould Flow Analysis
- Linear and Non-linear Static Analysis
- Thermal Analysis (Steady State)
- Thermal Analysis (Transient)
- Structural Analysis
- Modal Analysis
- Fluid Structure Interface
- Computational Fluid Dynamics (CFD)
- Stress
- Vibration
- Fatigue and Life Estimations
- Heat Transfer
- Shock Analysis

## 3D Modelling

- 3D to 2D conversion
- PDF to DWG conversion
- Raster to vector conversion
- 2D drafting of mechanical parts and assemblies from preliminary design data
- Image or vector data projection into DWG
- 2D drawings from conceptual sketches and images
- Orthographic projections from 3D models
- Isometric piping diagram
- Product Catalogue Design

# Preeminent Projects

- **Yeoman Marine Service Pvt. Ltd. (Indian Navy)**  
Confidential
- **Hind Rectifier Ltd. (Indian Railways)**  
Modelling & Analysis of IGBT 3 Phase to Single Phase Converter
- **Sulzer Pvt. Ltd. (Bharat Petroleum)**  
Detailed pressure vessel Drafting with Isometric Piping
- **Fidvi Refrigeration Industries Pvt. Ltd. (Indian Navy)**  
(Naval Ship) Operation Room's Coils Designing & Analysis
- **Oracle Solutions Pvt. Ltd. (Patanjali)**  
Tooth Brush with Gum Massager Design And Analysis
- **Echkey Solutions (Mechatronics)**  
Shoulder arthroscopy instruments Designing

## Our Clients

- **Art Maker Pvt. Ltd.**
- **Logic Roots Pvt. Ltd.**
- **Bhavesh Enterprise Pvt. Ltd.**
- **Ferro Bends Pvt. Ltd.**
- **Image Engineering**
- **KHS Bearing Pvt. Ltd.**
- **Look 10 X**
- **Sonadka Pvt. Ltd.**
- **Shree Plastics**
- **Trophy House**
- **WhatYouTech**
- **Abdulhusein Akbarali & Bros**

# Why Choose Us?

Engineering Services are a backbone of any Engineering firm. Any blunder done in drafting/drawing, 3D modelling would give devastating results. We have been in this industry since 2019.

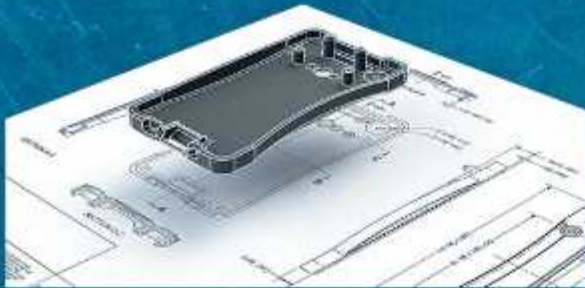
We have worked with various types of industries including Electronic chipset manufacturers, Process/Plant Industry, Product designing firms, Sheet metal industries, Civil constructions, Aspirants for patents, CNC manufacturers, Rapid prototyping Industry, Refrigerator coil manufacturers, Bearing Manufacturers, Solar based mini plants, Water purification industry, Oil and gas industry, and many more manufacturing companies...

We understand your field and know the exact challenges which will be faced while project execution. We always meet the timeline which we promise while presenting work scope.

We only hire skilled engineers who are all trained to be excellent in their fields. Our philosophy dictates our commitment to tackling demanding projects that require and encourage our workforce to think creatively and outside the box

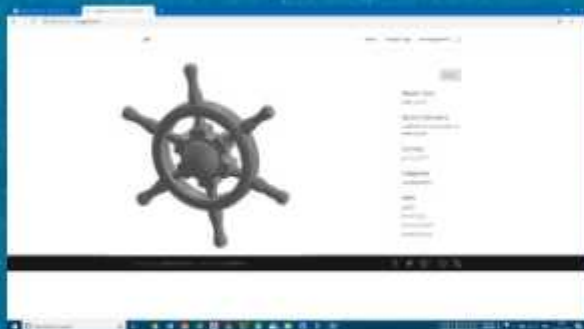
Success, cost effectiveness and quality in our services that you will receive. Our commitment towards our profession and community is a reflection of Engineering DNA.

# Our Services



2D to 3D

3D Modelling

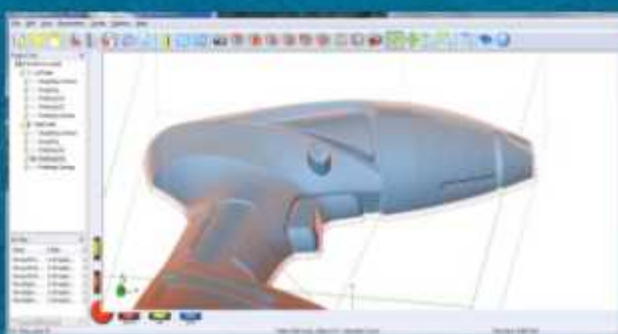


Product 3D on website

3D Rendering

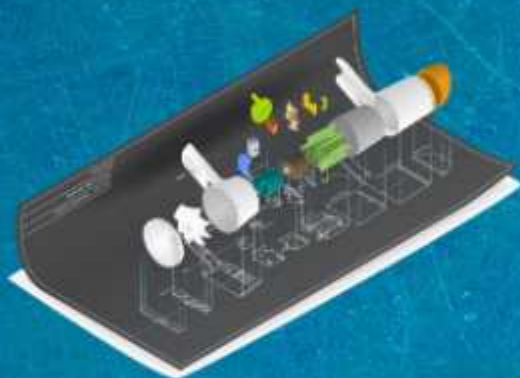


Product Designing



# Our Services

Remodelling, resizing, and scaling of existing 3D models



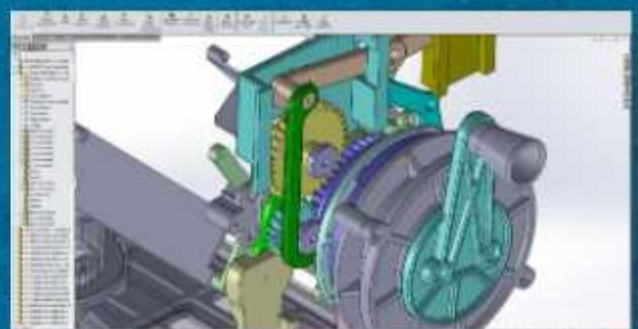
Conversion of 2D Drawings to 3D Drawings

Patent Submission Drawings



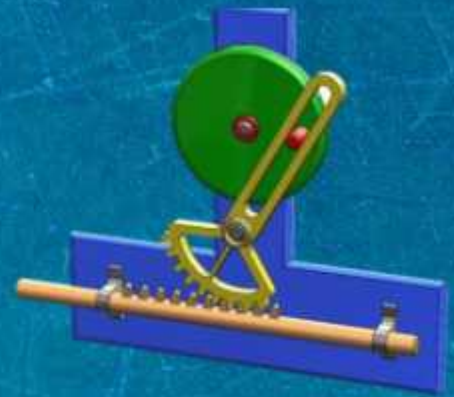
Exploded and Detailed Assembly Drawings

3D mechanism designing

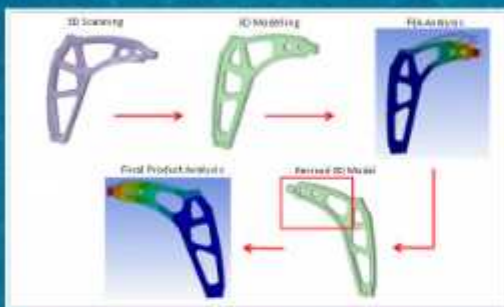


# Our Services

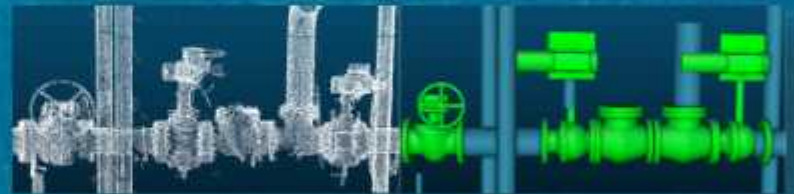
Mechanism Animation



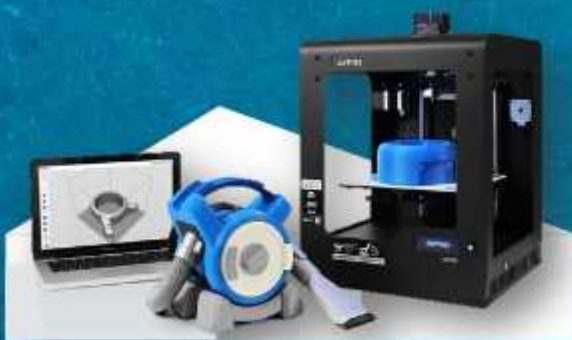
Reverse Engineering



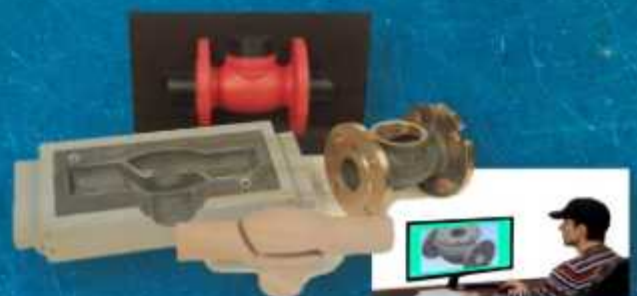
Point Cloud( 3D Scanned)  
to 3D modelling



Rapid Prototyping



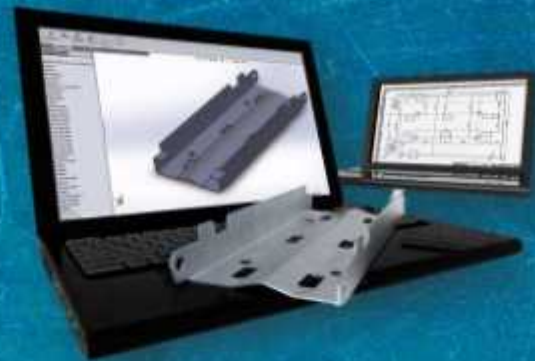
Casting Design & Pattern Making





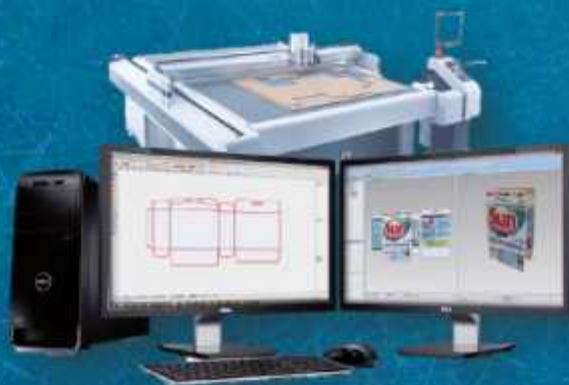
# Our Services

Sheet Metal Designing



Scanning Measurement & Digitizing

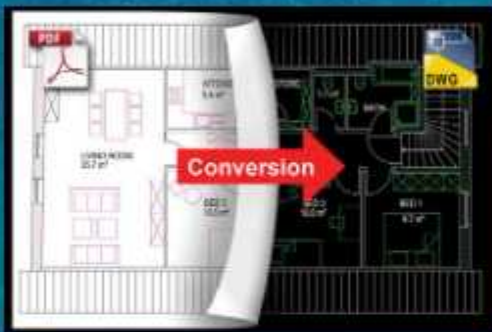
3D scanning / CMM services



Packaging Design

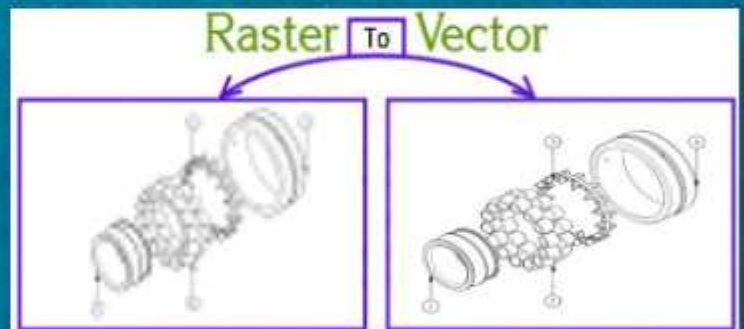
# Our Services

3D to 2D conversion



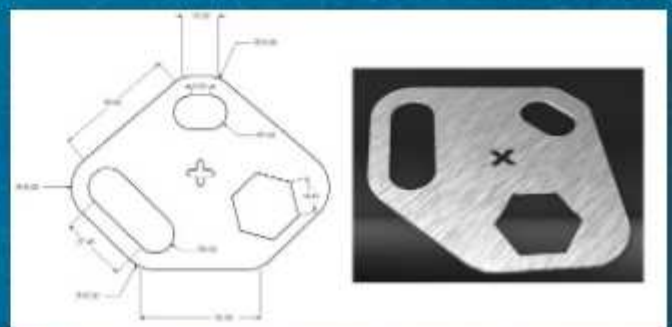
PDF to DWG conversion

Raster to vector conversion



2D drafting of mechanical parts and assemblies from preliminary design data

Image or vector data projection into DWG

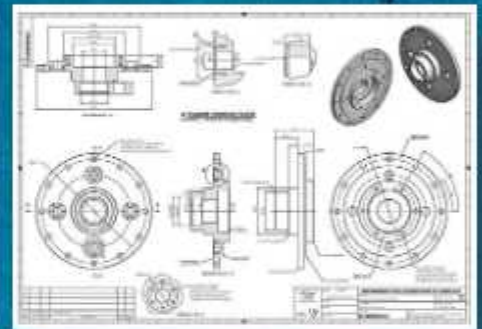


# Our Services



2D drawings from conceptual sketches and images

Orthographic projections from 3D models

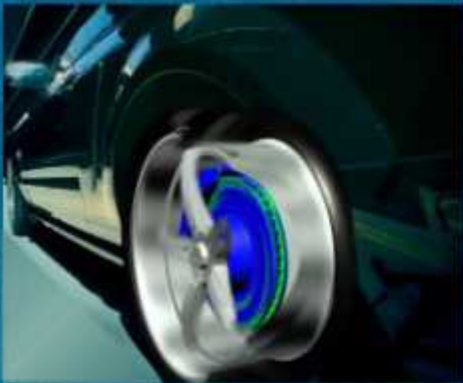


Isometric piping diagram

Product Catalogue Design

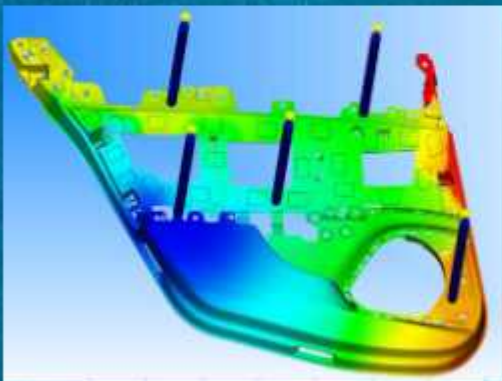


# Our Services



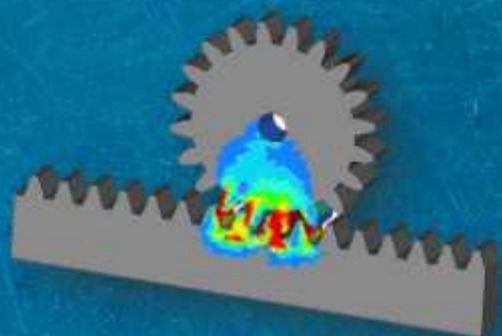
Virtual product Testing

Design Optimization

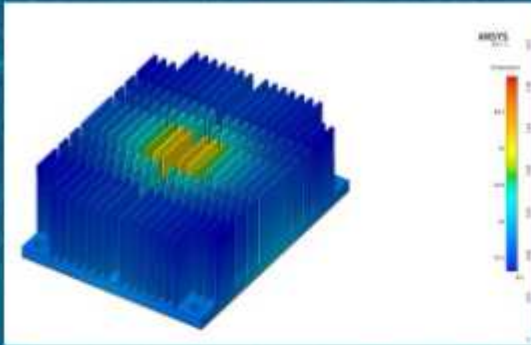


Mould Flow Analysis

Linear and Non-linear  
Static Analysis

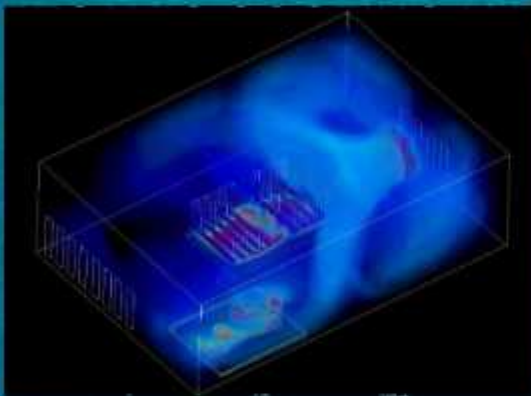
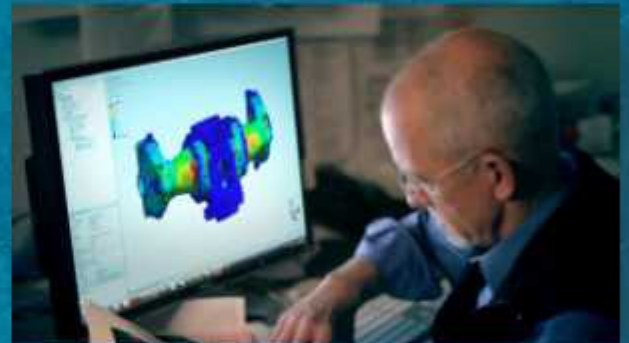


# Our Services



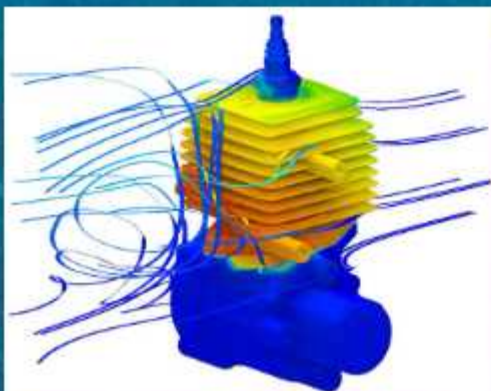
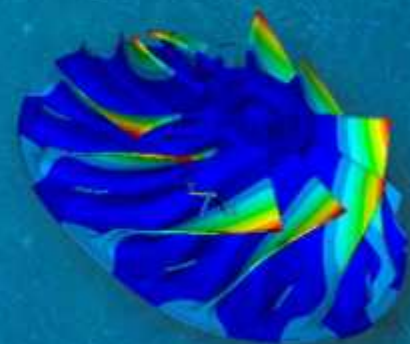
Thermal Analysis  
(Steady State)

Structural Analysis



Thermal Analysis  
(Transient)

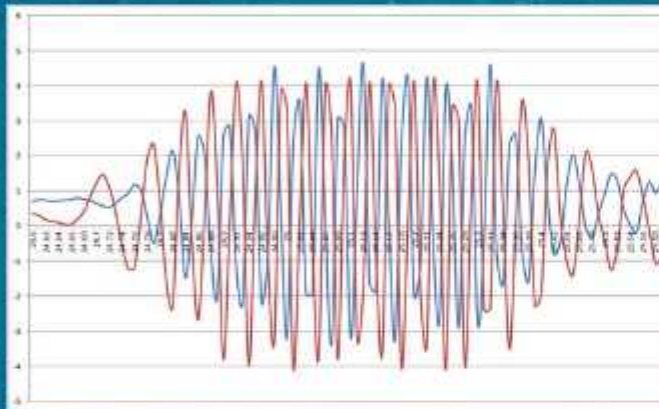
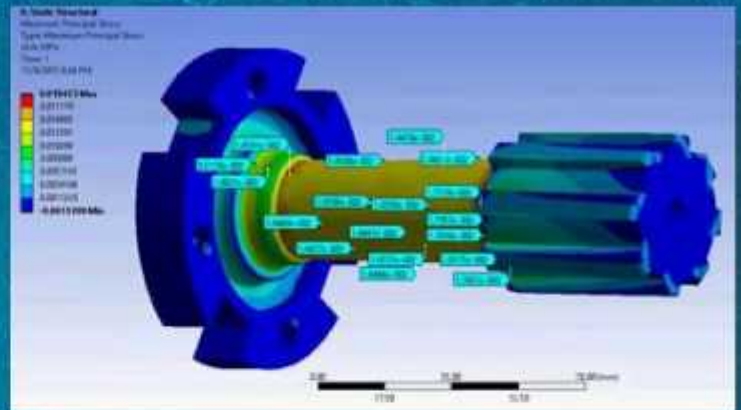
Fluid Structure Interface



FSI Thermal Analysis

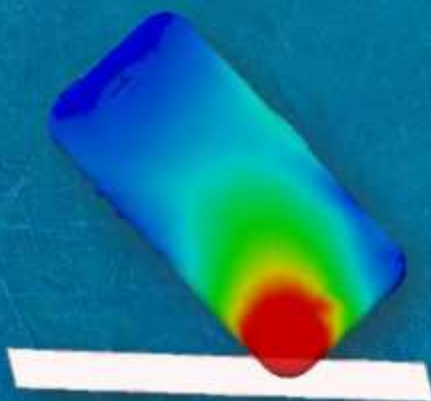
# Our Services

## Actual Static Stress Analysis



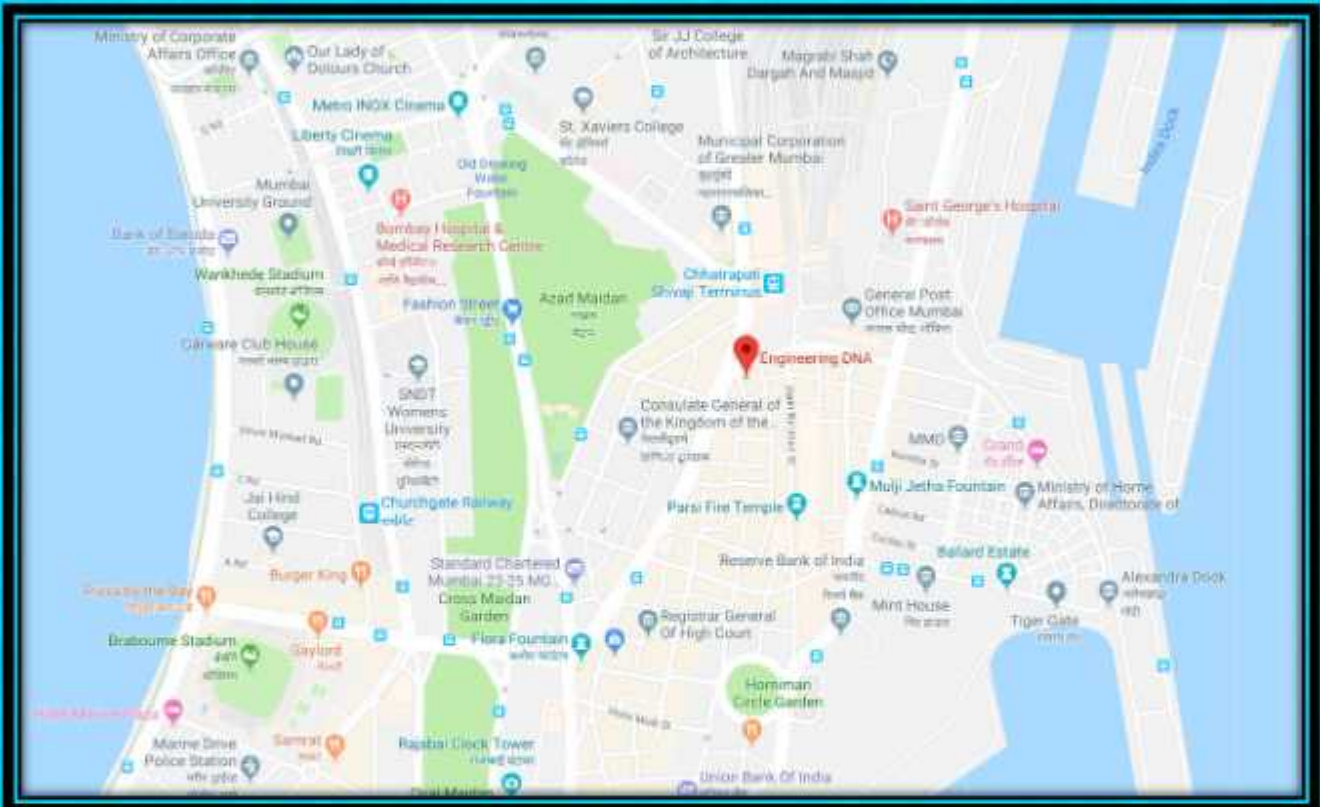
## Vibration Analysis

## Fatigue and Life Estimations



## Shock Analysis

# Contact Details



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