



w w w . h o p e - c o n s u l t i n g . c o m

H O P E C o n s u l t i n g , I n c .

Designing Solutions. For an evolving world

HOPE Consulting, Inc. is a leading CAD consulting and services company providing specialized solutions to clients all across the globe. Our mission is to bring insight and experience to the planning and execution of CAD strategies thereby providing tangible benefits to our clients.

It is a well-known fact that CAD technology has brought immense benefits to organisations by drastically reducing the product lifecycle time, thereby reducing the time to market. However, from considerations of design reuse and maintenance many organizations have not been able to leverage their CAD investments or technology effectively due to the following reasons



The drawings are on paper

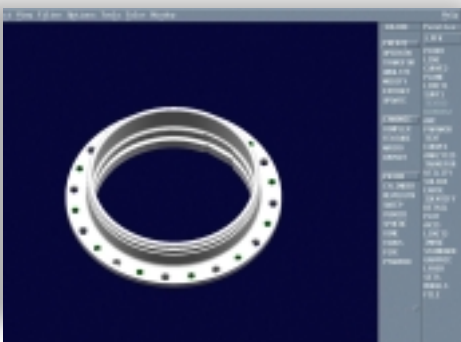
Cost of in-house conversion is quite high

Restrictions on head count

Non-availability of skilled manpower

This has led many organizations to consider outsourcing as a very important business driver for growth. And the list of such organizations is growing rapidly everyday.

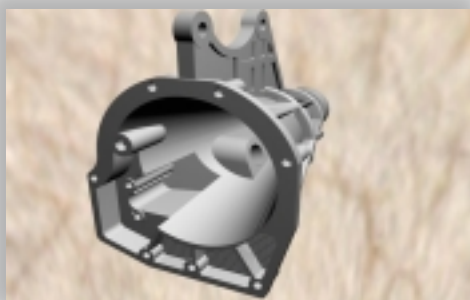
HOPE Consulting, Inc. caters to this business need of organisation. The range of services we offer, allows us to develop scalable delivery models tailored to our clients needs.



We believe in partnering with our clients, so that they could focus their energies where they are of greatest value to their business. Our multi-disciplinary team can provide consulting and engineering services. Our team provide our clients with the means to resolve timing, resource and cost issues and deliver their projects on schedule with high quality, which is borne out by the prestigious client patronage that we enjoy.

2D - 3D Migration

This is one of our core competency areas where we can help create accurate 3D models from 2D representations in the field of Aerospace and Automotive Engineering. Our in-house development team and domain experts work very closely with our client in developing the CAD objectives and generating appropriate solid/surface models of any complexity or details.

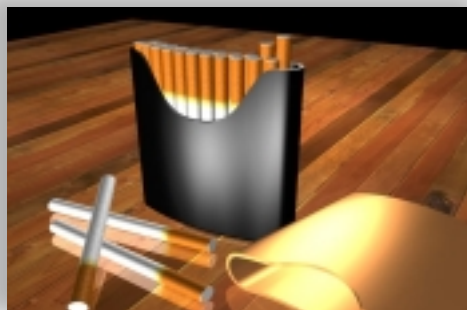
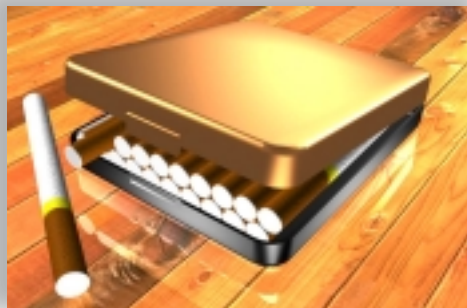


Visualization

Our digital imaging services allow you to visually communicate and develop your ideas with stunningly realistic imagery and dramatic animations.

Whether communicating to in-house team members or presenting your company's best new designs to your customers, a picture is worth a thousand CAD drawings. Our services allow you to replace or complement physical models by bringing color and texture to CAD data. We can start with your existing CAD database or we can build

a computer model to your satisfactions directly in our modeling/rendering/animation software. With a completed model, we then texture, light and animate your design to highlight its important features.

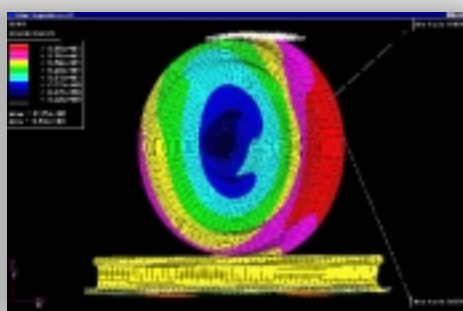


Benefits include :

- Prototype validation of all major aspects of your design : Shape, appearance and function
- Clear design communication to between in house/outsourced technical groups
- Cost savings by exploring multiple design options early in the design process.

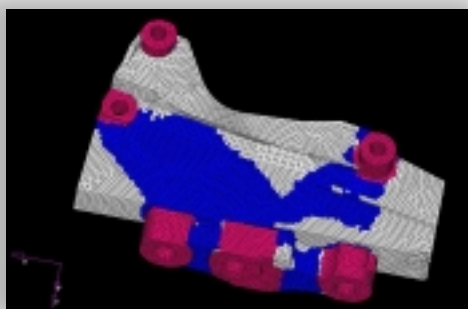
FEA - Finite Element Analysis

Finite Element Analysis is one of the most powerful Computer Aided Engineering (CAE) tools for predicting the behaviour of components or assemblies during expected use. Correct use of finite element analysis can offer cost savings in reduced design time, prototype testing and materials consumption. Continued use of Finite Element Analysis leads to a greater understanding of part performance. With this knowledge, designs can be optimized and realistic performance limits can be set.



Finite Element Analysis offers :

- Design Optimization
- Reduced Design Time
- Reduced Development Time
- Cost Savings



Experience and communication are necessary to a successfully performed analysis. Finite Element Analysis results are useful only if they are understood by the end user. With this in mind, HOPE Consulting, Inc. strives to address the customer's needs both in solving the problem and in communicating the results.

Digital Parts Cataloging

As the world discovers the benefits of technology, areas of specialization are developing the momentum of their own. E-cataloging, for example, has become a discipline with its own master. The majority of the companies prefer to have their printed catalogs and price lists in an electronic form. As an essential ingredient to their supply chain process, companies, world-over, are switching to intranet/web based electronic cataloging system to facilitate and secure transaction processing. For efficient collaboration on design information, organisations are realizing the benefits of "CAD-enabling" their catalogs.

HOPE's electronic cataloging provide several feature benefits :

- A friendly graphical interface can lead to a more intuitive process for finding a particular product or product line (browser based)
- Search engines offer multiple approaches for navigation
- Integration of CAD data within e-catalogs and external business process solution (ERP, CRM etc)
 - Definition of Product Heading
 - Web enablement

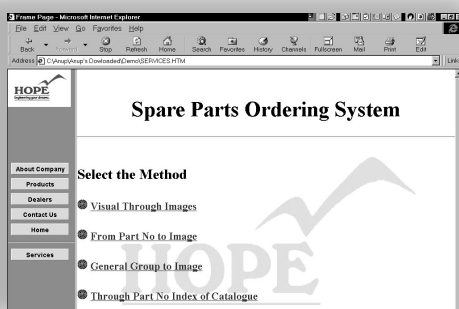


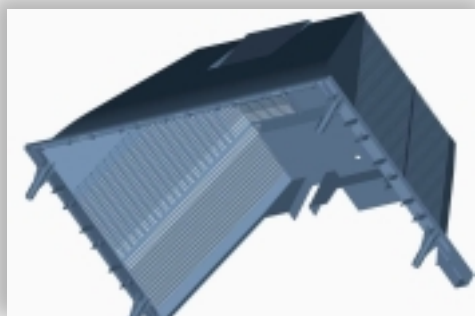
Standard Parts Library

It has been found that designers spend 40% of their time searching for a specific standard part and creating the drawing for the same. We help organisation in improving their engineers productivity by creating a complete digital parts library with the following key features :-

■ CAD accurate models (in 3D and 2D views)

- CAD accurate models (in 3D and 2D views)
 - Direct drop down into CAD sessions
- Flexible selection criteria
 - By Manufacturer
 - By Part Number
 - By Product Specification
- Intuitive navigational structure
- Standalone/web enabled





Our Major Clients :

- Daimler Aerospace Space Agency, Germany
- Matra Aerospatiale, France
- Autodesk Inc, USA
- Thomas Publishing Company, USA
- Asea Brown Boveri, USA
- Viewpoint Data Labs, USA
- Simpson Industries, USA
- Urban Data Corporation, USA
- GE Plastics, India & USA
- Access Systems International, USA
- Acro Corporation, USA
- Viag Interkom, Gemrnay
- Kozo Keikaku K.K., Japan
- Railway Defence Standards Organisations, India
- Tata Iron and Steel Company, India
- Bharat Heavy Electrical Ltd., India