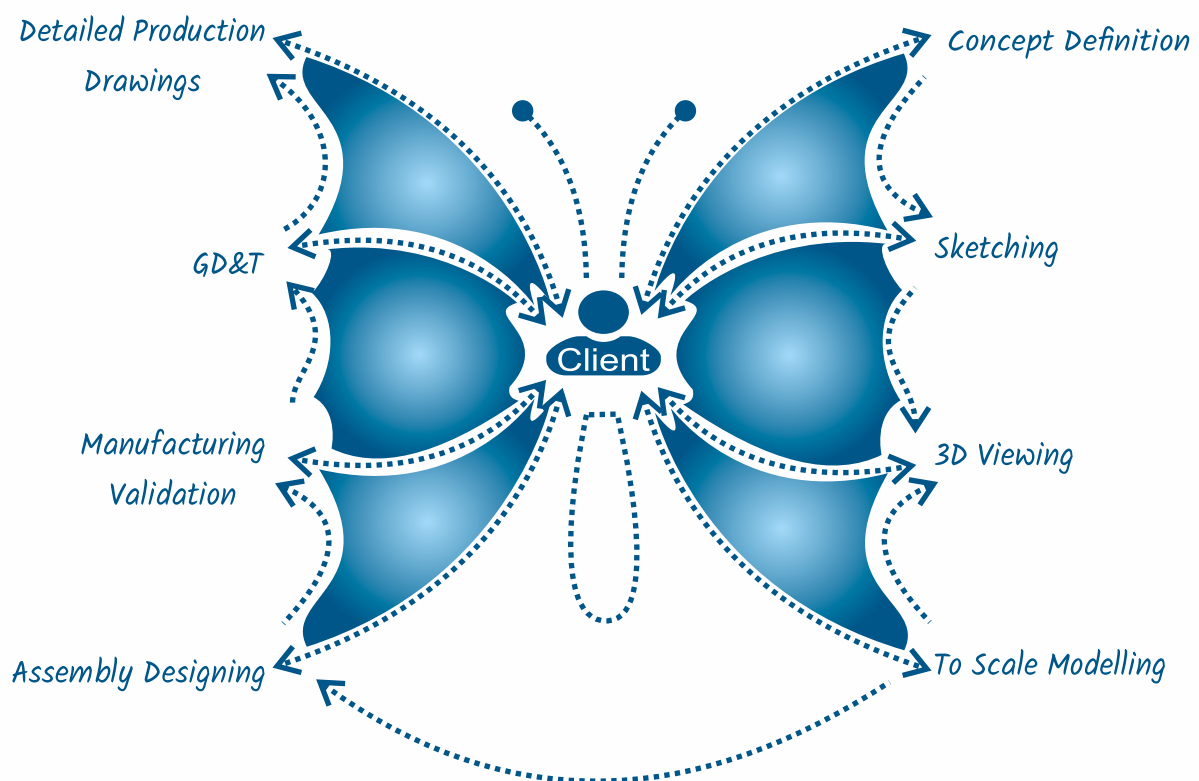




# DSR DESIGN & ENGINEERING SOLUTIONS

Designed For Excellence

*Your one stop solutions for all your design needs*



- # Four decades of industry experience at your disposal
- # An aggressive & dedicated team ensures on time delivery-every time
- # well set process ensures minimal defects & rework
- # A solution oriented approach ensures pro active inputs are given

2D & 3D  
Design Solutions

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

### **Vision**

Most designed companies see themselves as Designers. We see ourselves as Solutions Providers. Our Vision is to ensure that every need of the client is resolved by us ensuring a hassle free implementation at their world. We do not look for Projects, are look for long term relationships which are seen as the ultimate value driver for stake holders.

### **Mission**

Our mission is to exceed our customer expectations, in term of the design quality, time line of implementation of pricing through a well structured and balanced team motivated to desire their satisfaction by delivering superlative solutions to the client



Mr. Devansh Trivedi  
Director



Mr. Vivek Anand  
Director



Mr. Surendra Rapaka  
Director

### Board of Directors Message

"Thanks to the dedication, commitment, honesty, and constant hard work of our team, the DSR Design & Engineering Solutions has today an important position in the Engineering Designing Industry. During our vast years of experience, we evolved, we grew, and we adjusted our strategy and organization to the market's evolution, investing on our business' diversification and internationalization, and always appreciating the efforts of our employees who are always hands on to satisfy our clients' needs on a daily basis.

We work with quality and innovation to provide the best solutions for each project. This reality would not be possible without the professionalism and determination of all employees, clients, suppliers and other entities with whom we daily work."

The Board of Directors



## Global Innovation

DSR Design & Engineering Solutions has earned a unique reputation in the field of mechanical engineering design and CAD (Computer aided design) solutions while offering you the best, cost effective and innovative services to your development needs. We have been targeted by popular engineering companies, aerospace industries, automobile giants and other great domains that have displayed their interest and confidence in our creativity, valued-added services and quality designing of all types of industrial products and heavy equipments.

Hailed high by the trust of our valued customers and supported by the innovative approach of our Engineers, Designing experts, CAD Designers and Technician, we are pleased to offer you quality engineering and design, CAD solutions for a wide range of Engineering services Mechanical Engineering Services, Mechanical Design Services, Mechanical 3D Modelling services, Mechanical 2D Drafting and detailing services, Mechanical animation and walk through and also, Mechanical Analysis services.

## Technical Advantage

The success of DSR Design & Engineering Solutions can be simply attributed to the vast expertise of our team and excellent touch with the latest and innovative engineering technology & analysis that has been working for the consumers. Of course, we will not only offer you satisfactory, economic and advanced engineering solutions to you, rather we are ready to go through the same designing, analytical and drafting risks & challenges that are required to build-up long term relationships with customers.

## Quality Services

DSR Design is committed to providing innovative mechanical drafting services to all kinds of industrial, commercial and residential industries. We have set in place a detailed foolproof mechanism of counter checks to ensure that no errors go undetected and that our solution meets the standards and style required by the client.

## Faster Delivery

DSR Design with its team of professional & experienced staff deliver project at lighting speed and handles high volume projects with precision and commitment to the client.

## Our Presence



USA



UK

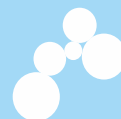


INDIA



MIDDLE EAST





# CAD Services

## Mechanical 2D/3D CAD Drafting Drawings

We provide 2D drafting and 3D CAD drawings services at affordable rates. We are a group of professionals providing mechanical drafting drawings services to all different kinds of clientele including Manufacturers, Engineering Companies, Steel Fabricators and Consultants.

We provide professional CAD services like 2D CAD Drawing, 2D CAD Drafting, CAD Conversion, 3D Modelling, and Paper to CAD Conversion services for technical drawings.

## Mechanical Engineering 3D Modelling

We have performed large variety of complex 3D Modelling & 2D drafting for a large pool of client from across the World. We have a great experience in the field of machined parts, castings, weldments, plastic components, mechanical assemblies, etc.

Softwares we use:

⊗ AutoCAD	-	2D, 3D Modelling
⊗ Solid Works	-	Modelling, Surfacing, Assembly & Drafting
⊗ CATIA	-	Modelling, Surfacing, Assembly & Drafting
⊗ PRO-E(CREO)	-	Modelling, Surfacing, Assembly & Drafting



We have wide experience in:

- ⊗ Developing 2D/3D CAD models
- ⊗ 3D parametric feature based modelling
- ⊗ 3D Visualization and Rendering
- ⊗ Design of assemblies
- ⊗ Creation of Engineering drawings from the solid models



## Mechanical Engineering Finite Element Analysis

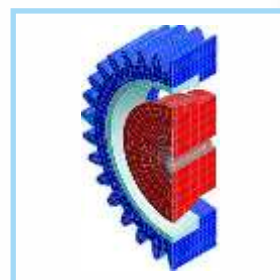
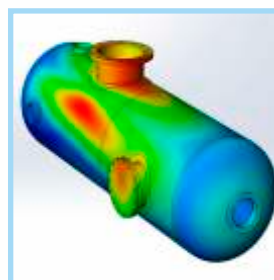
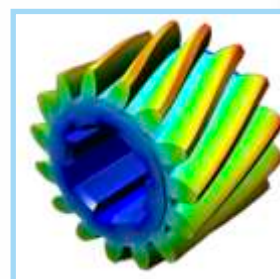
We use the latest analysis tools to optimize the design and verify its integrity & ensures it upasses all the required design parameters. We use both FEA (Finite Element Analysis) and traditional hand calculations for the following:

Softwares we use:

ANSYS	-	Structural and Thermal Analysis
HYPERMESH	-	Shell Mesh, Solid Mesh

We have wide experience in:

- ⊗ Linear & Non-linear Analysis
- ⊗ FEA Dynamic and Static Analysis
- ⊗ Thermal Analysis & Modelling
- ⊗ Vibration or Seismic Analysis
- ⊗ Pipeline Analysis
- ⊗ Stress Analysis
- ⊗ Structural Analysis
- ⊗ Frame Analysis
- ⊗ Fatigue Failure analysis
- ⊗ Multi-body Dynamics Simulation
- ⊗ Buckling Analysis
- ⊗ Modal Analysis
- ⊗ FE Mesh Generation
- ⊗ FEA Modelling



## CAD Training

We provide CAD Training for experienced professional also to upgrade their technical Skills.



# What we do!

## Vectorization & CAD Conversion

We specialize in conversion of legacy paper drawings into accurate CAD drawings as per client's CAD Standards or as per the prevalent International standards. We are well equipped to efficiently handle almost all CAD platforms like AutoCAD (All Versions), Pro-E, Solidworks, Catia, Ansys etc.,

✚ Mechanical Engineering

✚ Civil Engineering

We employ heads up manual redraw process. We do not use any Auto-Vectorization software for conversion process. The Converted files are Editable, Dimensionally Accurate with editable Text & Multi-Layered.

## Redlining / Mark-ups

Our As-built/Redline Markup Service is ideal for creating your as-builts drawings or design modifications in AutoCAD or Microstation format.

Few ways to send us your redlines:

- ☉ Redline markups done on DWF or PDF
- ☉ Actual Hard copies shipped to us
- ☉ Scanned colour images of redline drawings sent to us

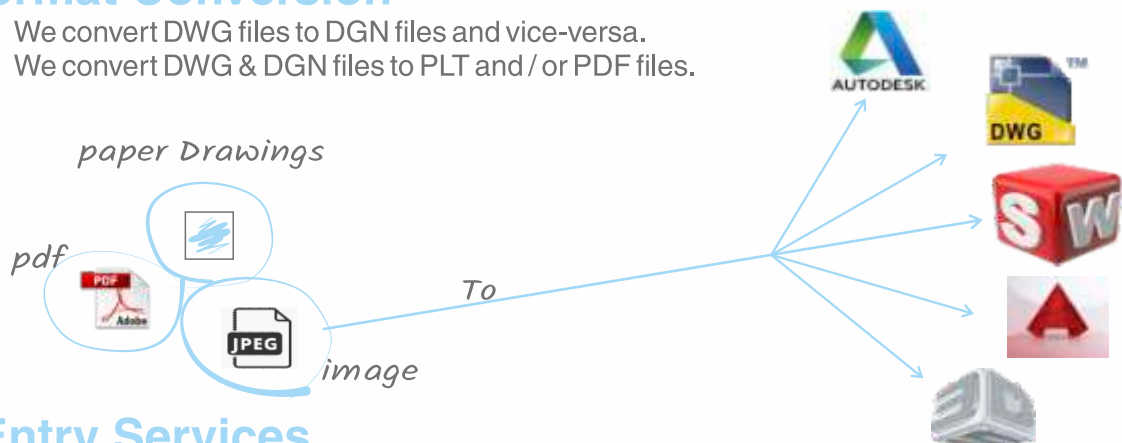
Markups:

- ☉ RED ink for drawing changes
- ☉ BLUE ink for notes

## File Format Conversion

We convert DWG files to DGN files and vice-versa.

We convert DWG & DGN files to PLT and / or PDF files.



## Data Entry Services

- ☉ Indexing and Renaming of scanned documents
- ☉ Database creation and updation
- ☉ Document Conversion - From image (tiff, pdf, etc.) to doc or xls file
- ☉ List Creation - Create Contact list for Leads / Sales / Marketing from online listings

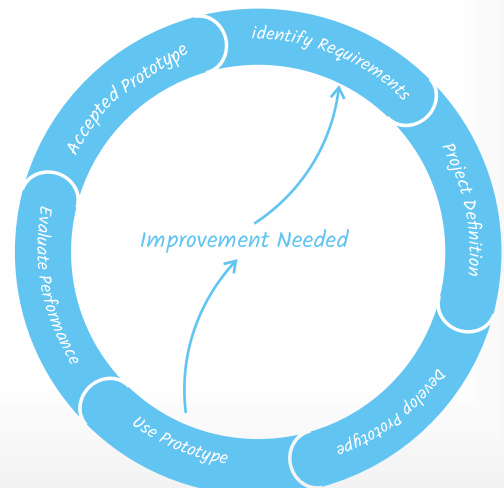
## Prototyping

It's a sample ,model or a release of a product built to test a component or process or to act as a thing to be replicated or learnt from. we have both the expertise and infrastructure to support the Client in all the Prototyping needs.

## Projects Handled

Designing and Fabrication of Defense Special Vehicles for M/s H. Young Group of companies – Kenya.

- ☉ Modeling of Boilers piping
- ☉ Modeling & Analysis of automobiles
- ☉ Modeling of Utility piping
- ☉ Pipe design and Analysis



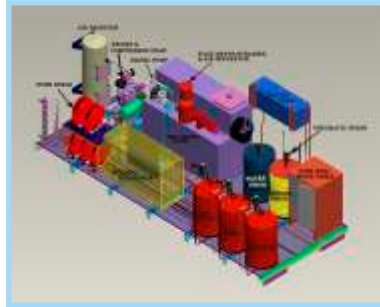
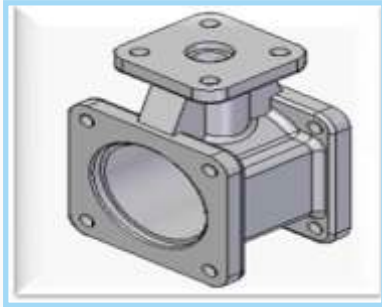




## Product Design

We provide services in plastic and sheet metal component design from rough concept layouts to Class A surface data complete with engineering details.

We have expertise in Class A surfacing and support domains like Automotive styling and consumer product styling. - Packaging Study - Concept Surface Generation – Ergonomics – Regulatory Checks – CIAT hi Class A Technique



## Reverse Engineering

Reverse Engineering is a reversal of the manufacturing process. It starts with an existing product and moves back to design & drawing. We currently specialize in using CMM for tracing the part and regenerating the model / part file

## Solar power Plant Design & Execution



Execution- is the use of the sun's energy either directly as thermal energy (heat) or through the use of photovoltaic cells in solar panels and transparent photovoltaic glass to generate electricity. As part of the Make in India movement, we look to partner various manufacturing in the solar fields.

## Pipe Design

We provide 2D and 3D Modelling and develop plant piping design layouts. P&ID allows for the fast creation of 2D piping and instrumentation diagrams. DSR Design follows standard drafting procedures. P&ID is database driven with smart object technology, linked to standard or customer driven piping specifications. 3D modelling of pipe and inline components are taken from the P&ID's to allow for better job flow and minimize errors. Pipe Design is niche segment which requires specific skills & ensure not just the structural integrity of pipeline, but also minimize turbulence, back pressure, leaks & maintenance. Our experts ensure not just a safe works line, but a cheaper & more efficient works reducing the life cycle costing as well.



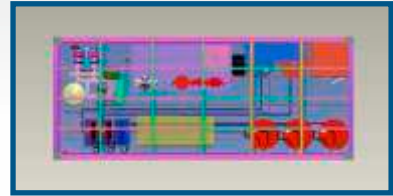
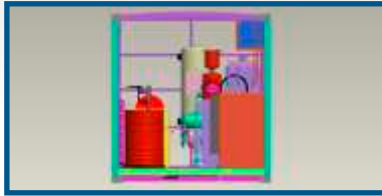
## Automotive Design

We work in the field of Automotive component Design ensuring Minimal material usage, perfect alignment with surrounding components & improved aesthetics.

## Boiler Design

One of our core field is Boiler Design where we work from Need Analysis to fabrication & commissioning of the same. For more details you can visit our sister concern at [www.shantiboilers.com](http://www.shantiboilers.com)





***Some of the Esteemed Organisations  
whose products we have helped design are :***

M/s H. Young Group of companies – Kenya.  
M/s ELTA Defense supplier- Israel.  
M/s Spark light Industries Ltd- Nigeria  
M/s United Engg LLC. Sultanate of Oman  
M/s Creative Organics Pvt Ltd-Hyd, Telengana  
M/s AP Explosives Pvt Ltd-Hyd, Telengana  
M/s Fabrique landroumat Services Pvt Ltd- Hyd, Telengana.



## **DSR DESIGN & ENGINEERING SOLUTIONS**

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