

# EDS TECHNOLOGIES



An Integrated Approach to  
PLM and 3D Real-Time Simulation



"Our objective is to provide the most complete PLM and 3D Visual Simulation solutions, services to our customers and the emerging vertical markets in India. Through a right mix of solutions, talent and strong understanding of customer and market requirements we have retained a unique leadership position in this segment for more than a decade. As a company we will continue to invest in the best of breed solutions and services to increase business profitability and customer delight."

**S. Senthil**

President, EDS Technologies Pvt. Ltd.



# January 2009



CATIA V5 solutions deployed in our press tool design process for consumer durables, has enabled considerable saving on time and effort, by allowing our designers to standardise parts and conduct digital design review. In our organization, we use CATIA as core design application to service the Boat building, Automotive and Manufacturing Industries.

Mr. Vinayak Sadekar, M/s. Shalaka Technologies Pvt. Ltd.

WEEK	M	T	W	T	F	S	S
1				1	2	3	4
2	5	6	7	8	9	10	11
3	12	13	14	15	16	17	18
4	19	20	21	22	23	24	25
5	26	27	28	29	30	31	

December						
M	T	W	T	F	S	S
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31				

February						
M	T	W	T	F	S	S
						1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	

# February 2009



WEEK	M	T	W	T	F	S	S
5							1
6	2	3	4	5	6	7	8
7	9	10	11	12	13	14	15
8	16	17	18	19	20	21	22
9	23	24	25	26	27	28	

## January

M	T	W	T	F	S	S
			1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30	31	

## March

M	T	W	T	F	S	S
30	31					1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29

A stiff target of 30 days (240 Manhours) from conceptual stage to commissioning was a reality with CatiaV5.

S. Shekar, Sartorius Mechatronics India Pvt. Ltd.

# March 2009



WEEK	M	T	W	T	F	S	S
9							1
10	2	3	4	5	6	7	8
11	9	10	11	12	13	14	15
12	16	17	18	19	20	21	22
13	23	24	25	26	27	28	29
14	30	31					

## February

M	T	W	T	F	S	S
						1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	

## April

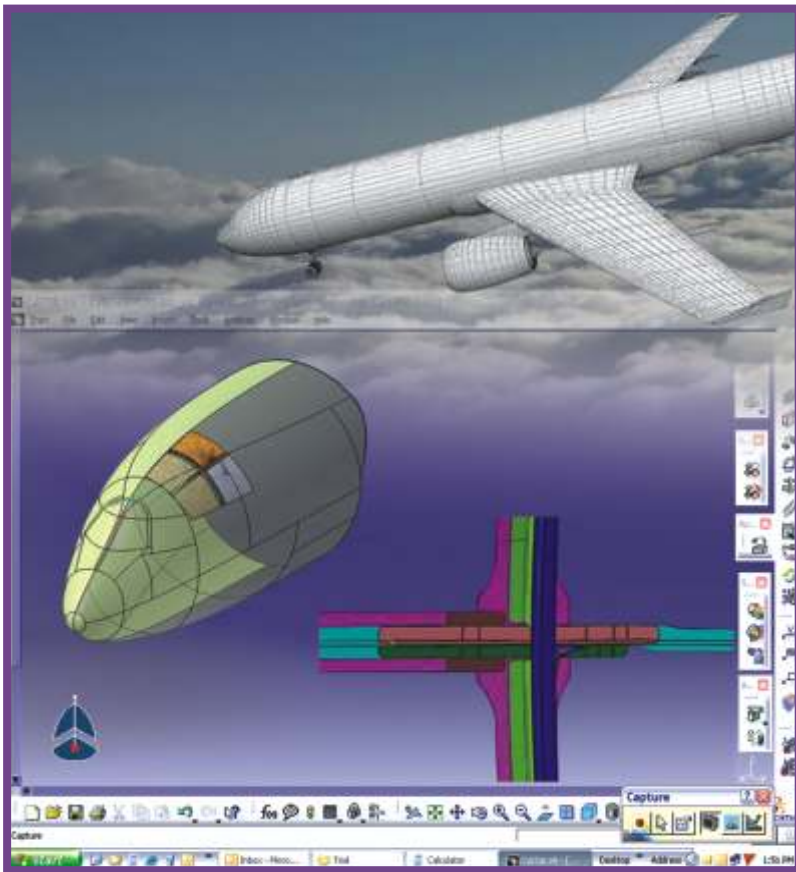
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		1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30			

This Tight Loco Coupler head type 'H' is used in Broad gauge passenger coaches of Indian Railways.

Mr. Mahesh Joshi, M/s. Faiveley Transport India Limited



*April 2009*



WEEK	M	T	W	T	F	S	S
14			1	2	3	4	5
15	6	7	8	9	10	11	12
16	13	14	15	16	17	18	19
17	20	21	22	23	24	25	26
18	27	28	29	30			

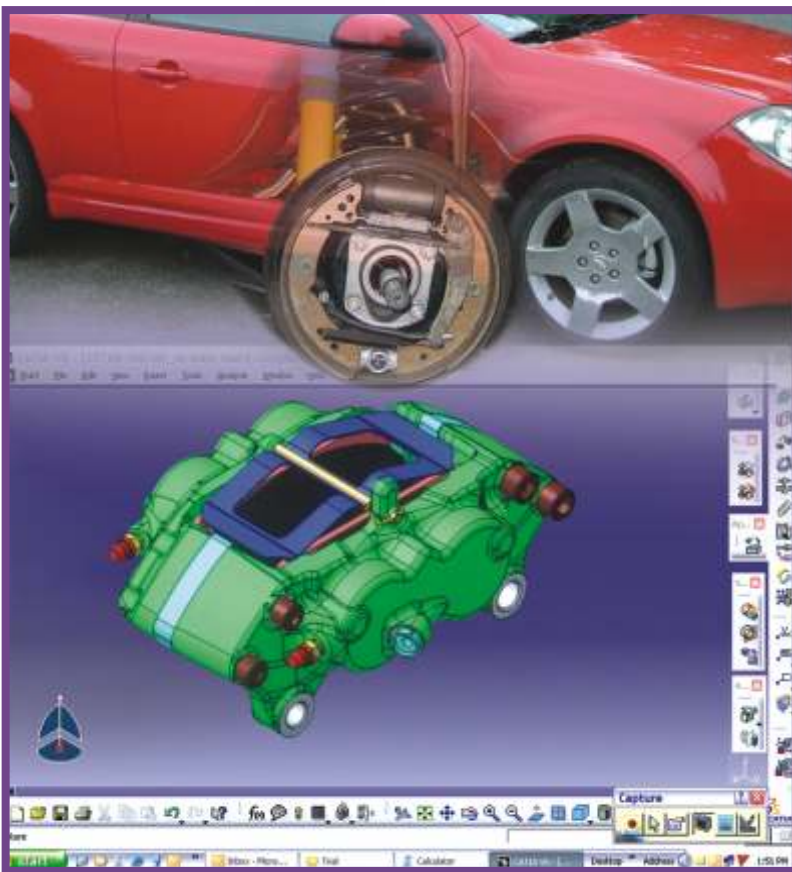
March						
M	T	W	T	F	S	S
30	31					1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29

May						
M	T	W	T	F	S	S
					1	2
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	31

Conceptual design at front fuselage consisting of stringers, frames, strap and continuity fitting are constructed and assembled using CATIA V5.

Mr. Varun Kumar Mishra, M/s. Altran Technologies India

*May 2009*



WEEK	M	T	W	T	F	S	S
18					1	2	3
19	4	5	6	7	8	9	10
20	11	12	13	14	15	16	17
21	18	19	20	21	22	23	24
22	25	26	27	28	29	30	31

April							
M	T	W	T	F	S	S	
		1	2	3	4	5	
6	7	8	9	10	11	12	
13	14	15	16	17	18	19	
20	21	22	23	24	25	26	
27	28	29	30				

June							
M	T	W	T	F	S	S	
1	2	3	4	5	6	7	
8	9	10	11	12	13	14	
15	16	17	18	19	20	21	
22	23	24	25	26	27	28	
29	30						

CATIA has helped us to speed up our designing process and helped us to get exactly what we want from any software.

Mr. Ashish Marathe, M/s. BREMBO

*June 2009*



WEEK	M	T	W	T	F	S	S
23	1	2	3	4	5	6	7
24	8	9	10	11	12	13	14
25	15	16	17	18	19	20	21
26	22	23	24	25	26	27	28
27	29	30					

May						
M	T	W	T	F	S	S
				1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	31

July						
M	T	W	T	F	S	S
		1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	31		

CATIA V5 being used for Product design, BIW welding fixture and tool design catering to various OEM requirements.

Mr. T. N. Kannan, M/s. Hema Engineering Industries Limited



July 2009



WEEK	M	T	W	T	F	S	S
27			1	2	3	4	5
28	6	7	8	9	10	11	12
29	13	14	15	16	17	18	19
30	20	21	22	23	24	25	26
31	27	28	29	30	31		

June							
M	T	W	T	F	S	S	
1	2	3	4	5	6	7	
8	9	10	11	12	13	14	
15	16	17	18	19	20	21	
22	23	24	25	26	27	28	
29	30						

August							
M	T	W	T	F	S	S	
31					1	2	
3	4	5	6	7	8	9	
10	11	12	13	14	15	16	
17	18	19	20	21	22	23	
24	25	26	27	28	29	30	

Vega Prime renders lively images of objects created in Creator 3D to the fullest detail.

Mr. R. N. Prasad, M/s. BAeHAL Software Ltd.



# August 2009



WEEK	M	T	W	T	F	S	S
31						1	2
32	3	4	5	6	7	8	9
33	10	11	12	13	14	15	16
34	17	18	19	20	21	22	23
35	24	25	26	27	28	29	30
36	31						

July						
M	T	W	T	F	S	S
		1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	31		

September						
M	T	W	T	F	S	S
	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30				

Press tool for sheetmetal - Cam Trim Die - End to end Press Tool designing is done in 3D and no drawings are made for tool making.

Mr. Venugopal Rao Vippulancha, M/s. IIC Technologies, Engineering Solutions Division

# September 2009



The Engineers were able to handle the Large Area Database development in CTS with 3D model insets being used as Integrate Sites which is very useful in handling these insets because any changes for these insets can be incorporated (Creator)outside CTS without touching the CTS output. Also Vega Prime with LADBM plug-in renders effectively for huge DB's with optimal paging strategies.

Mr. Vinay Kumar, M/s. Halbit Avionics Pvt. Ltd.

WEEK	M	T	W	T	F	S	S
36		1	2	3	4	5	6
37	7	8	9	10	11	12	13
38	14	15	16	17	18	19	20
39	21	22	23	24	25	26	27
40	28	29	30				

## August

M	T	W	T	F	S	S
31					1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30

## October

M	T	W	T	F	S	S
			1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30	31	

# October 2009



We use CATIA V5 for our design and development. CATIA V5 is helping us support our customers in simulation and fitting our turbochargers on the engine and vehicle. It substantially reduces the development time and results in enhanced customer satisfaction.

Mr. A. Vijayan, M/s. Honeywell Turbo India Pvt. Ltd.

WEEK	M	T	W	T	F	S	S
40				1	2	3	4
41	5	6	7	8	9	10	11
42	12	13	14	15	16	17	18
43	19	20	21	22	23	24	25
44	26	27	28	29	30	31	

## September

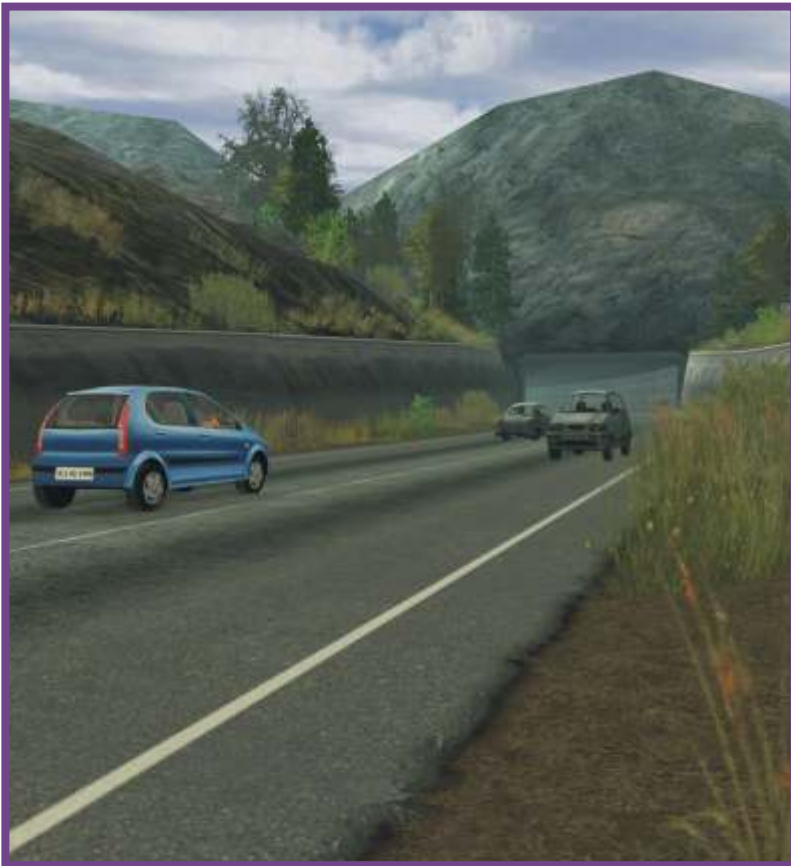
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14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30				

## November

M	T	W	T	F	S	S
30						1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29

**Honeywell**

# November 2009



WEEK	M	T	W	T	F	S	S
44							1
45	2	3	4	5	6	7	8
46	9	10	11	12	13	14	15
47	16	17	18	19	20	21	22
48	23	24	25	26	27	28	29
49	30						

## October

M	T	W	T	F	S	S
			1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30	31	

## December

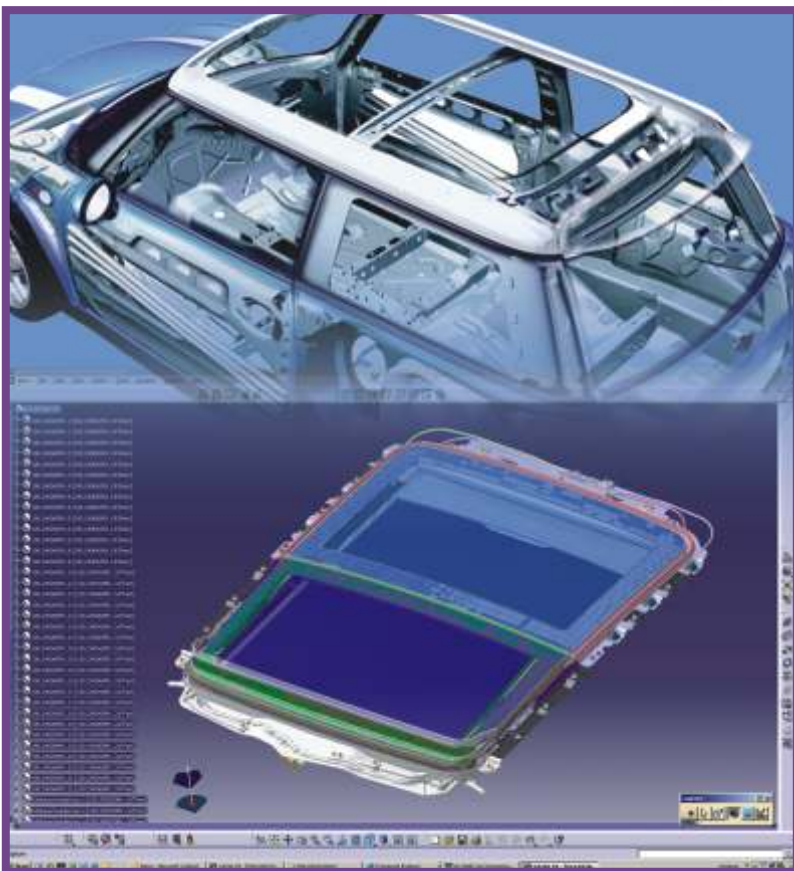
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6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	31		

The artists were able to create large databases of terrains, in this case each terrain measured 10kmx10km without having to worry much about the FPS, also Creator's excellent hierachy and LOD management ensured that they did not have a tough time managing the large scenes.

Mr. Rajat Ojha, M/s. Zen Technologies Ltd.



# December 2009



WEEK	M	T	W	T	F	S	S
49		1	2	3	4	5	6
50	7	8	9	10	11	12	13
51	14	15	16	17	18	19	20
52	21	22	23	24	25	26	27
53	28	29	30	31			

## November

M	T	W	T	F	S	S
30						1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29

## January

M	T	W	T	F	S	S
					1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30
31						

The Power Copy feature in CatiaV5 helped us to reduce the design lead time for our Sunroof parts.

Mr. P. Thirumaran, M/s. Arvin Meritor

**ArvinMeritor**



### **Bangalore**

No.153, Second Cross, Promenade Road, Frazer Town, Bangalore - 560005. INDIA  
Ph: +91 (80) 25514338 Fax: +91 (80) 25514328 / 25309104

### **Chennai**

4<sup>th</sup> Floor, Pettukola Towers, No.190-A, Poonamallee High Road, Chennai - 600010. INDIA  
Ph: +91 (44) 26401203 / 26401204 Fax: +91 (44) 26401205

### **Hyderabad**

Unit No.9, 5<sup>th</sup> Floor, Topaz Building, Punjagutta, Hyderabad - 500 082. INDIA  
Ph: +91 (40) 39106034 / 39106035 Fax: +91 (40) 30605260

### **Pune**

Shivtheerth Building, 2<sup>nd</sup> Floor, No.1201 C/A, Fergusson College Road, Pune - 411 004. INDIA  
Ph: + 91 (20) 25539871, 25539872 Fax: +91 (20) 25539873

### **Gurgaon**

No.404, 4<sup>th</sup> Floor, Greenwood Plaza, Greenwood City, Sec-45, Gurgaon, Haryana - 122 002. INDIA  
Ph: +91 (124) 4114386 Fax: +91 (124) 4114398  
Email: marketing@edstechnologies.com