

Industrial training

At



Ashish

Product design 2001

Project: Design of truck cabs in FRP



The chassis



Project: Design of truck cabs in FRP

The competition

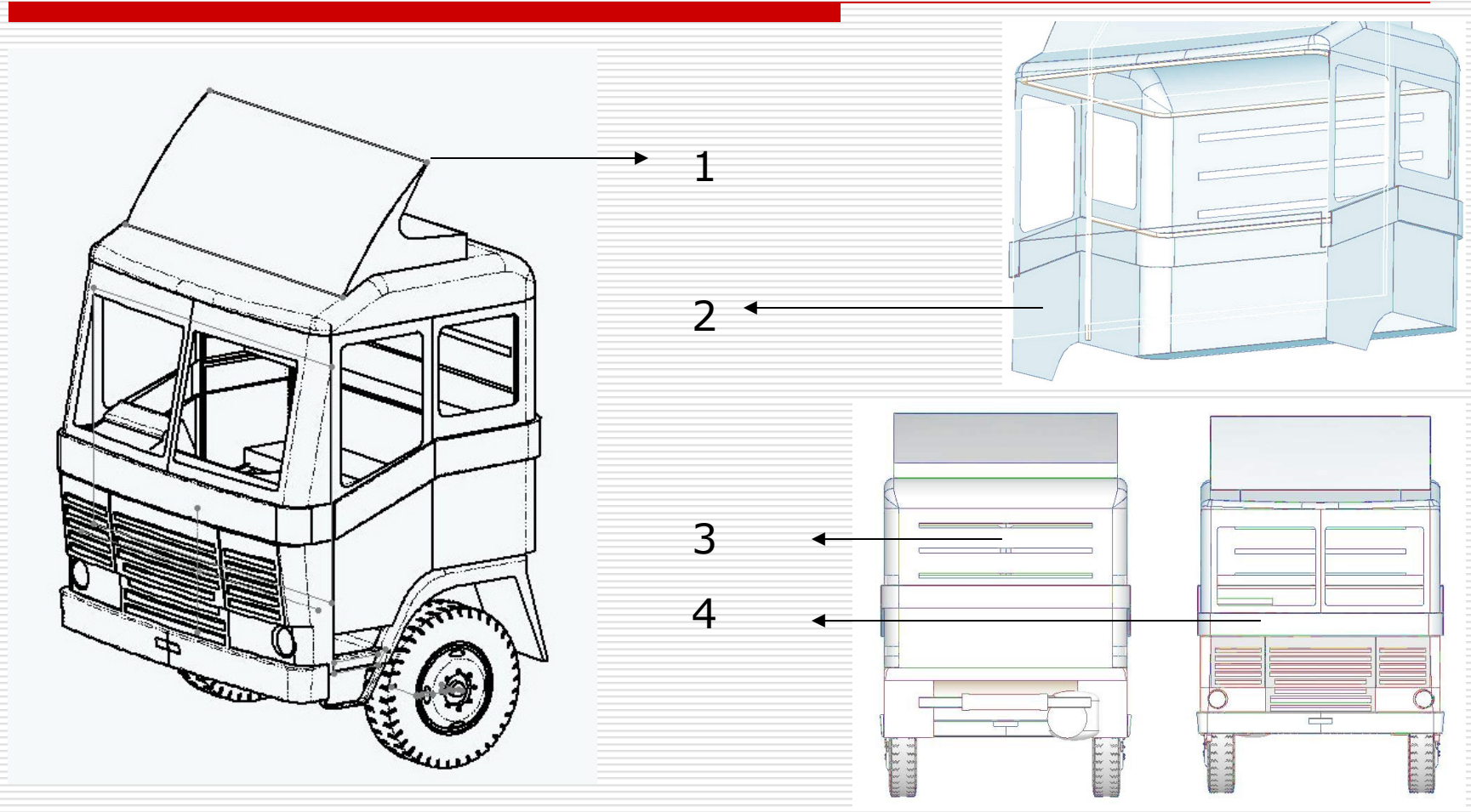


Small !
Durable ??
Unexciting !
Storage ?
Safe ?

Project: Design of truck cabs in FRP



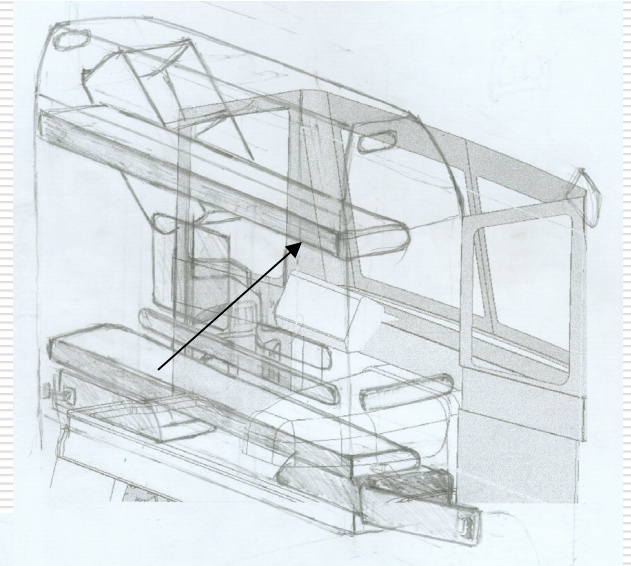
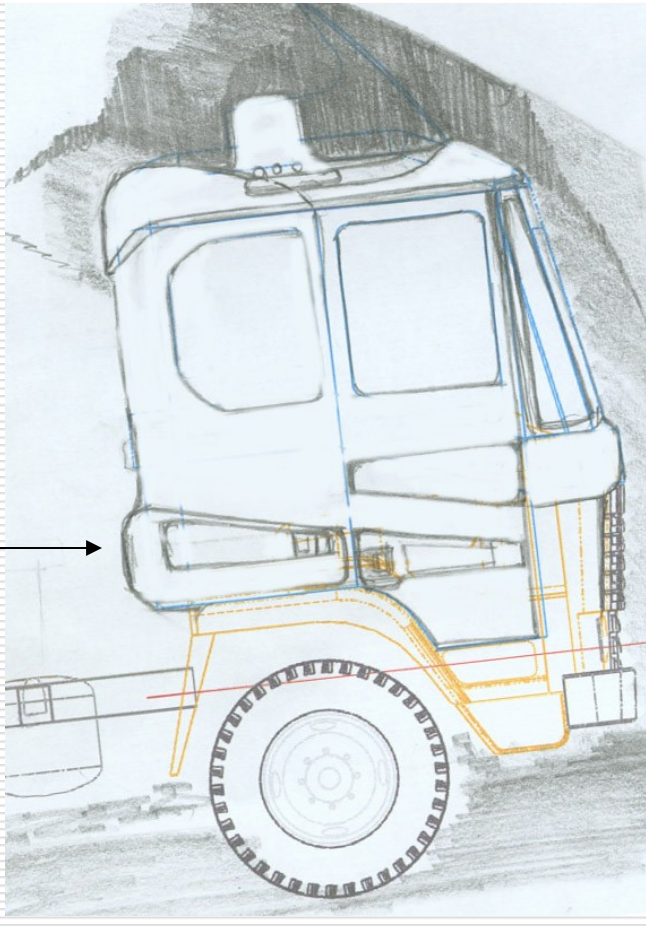
Project: Design of truck cabs in FRP



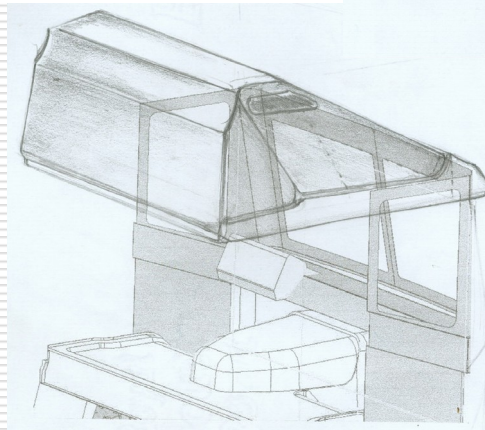
Project: Design of truck cabs in FRP



Project: Design of truck cabs in FRP



Interiors ..



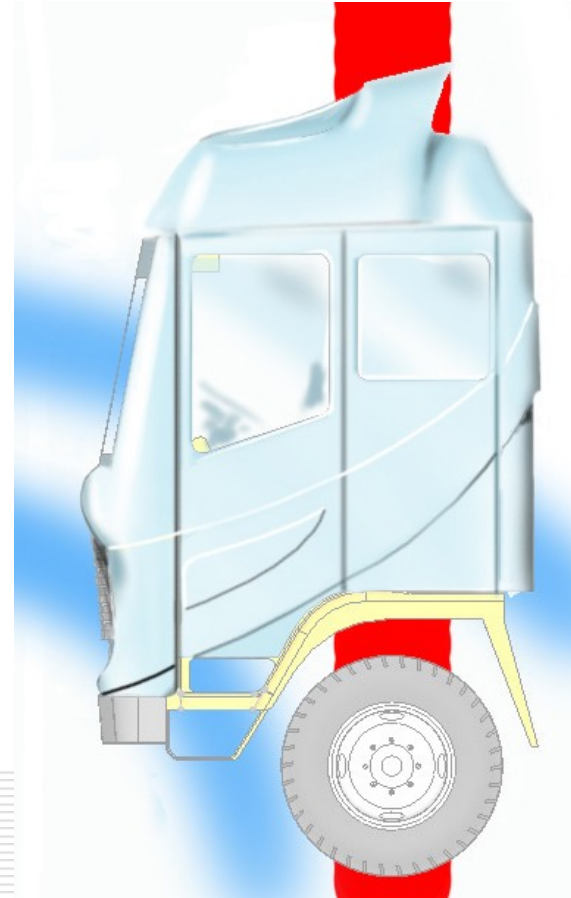
Roof

Project: Design of truck cabs in FRP

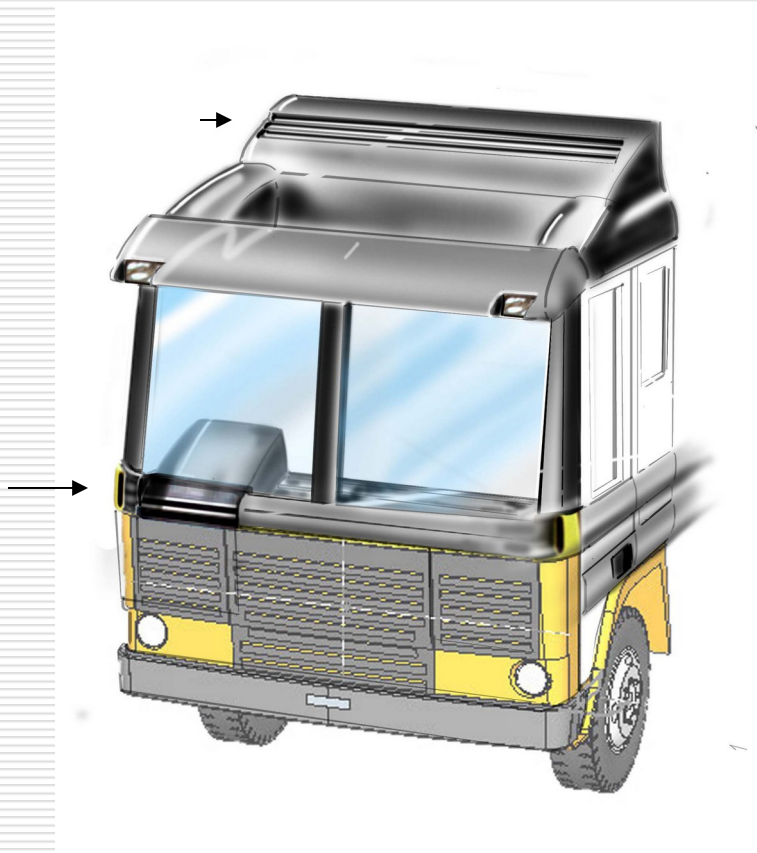
- #Air scoops for ventilating the cabin,**
- #Aerodynamic roofs which double as extra storage space and**
- #head room for the bunk bed.**
- #Bunk beds for the occupants.**
- #Extra large rear view mirrors.**
- #Thinner A columns so as to increase visibility**
- #Dents at strategic places to increase structural strength.**

- #limited 3d parting lines**
 - #They will be double walled structures with PU foam filled in. The thickness of the walls will be 15 mm.**
 - # A skeleton structure made of 20mm MS square sections will be inserted in the panels.**
 - #flat rectangular safety glass windshield**
-

Project: Design of truck cabs in FRP



Project: Design of truck cabs in FRP



Project: design of fascia for IFB cloth dryer

Clients : IFBglobal



#Redesign the fascia

#Upper left quadrant is the Place available to place the new panel

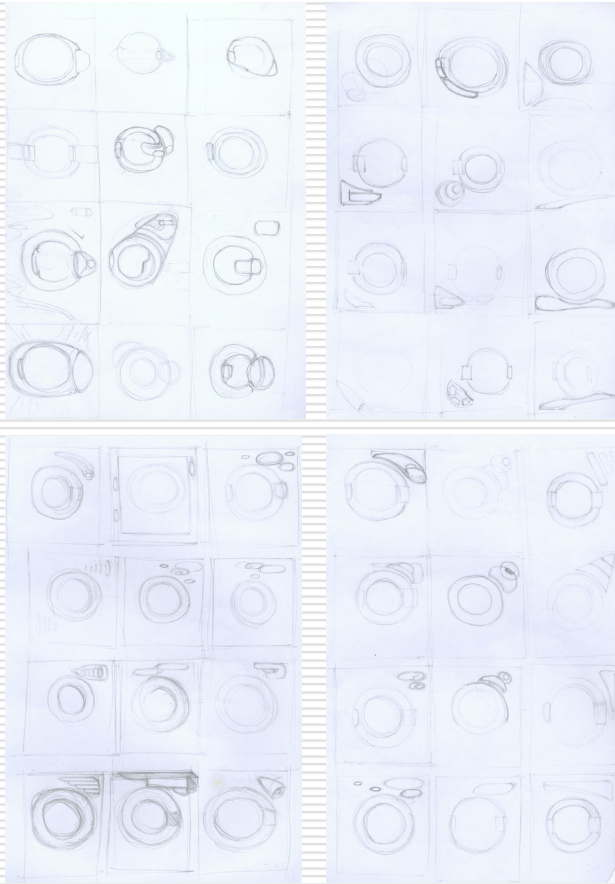
#Drier might be kept right on top of the machine upside down

>semblance among the two machines.

>graphics should work both ways

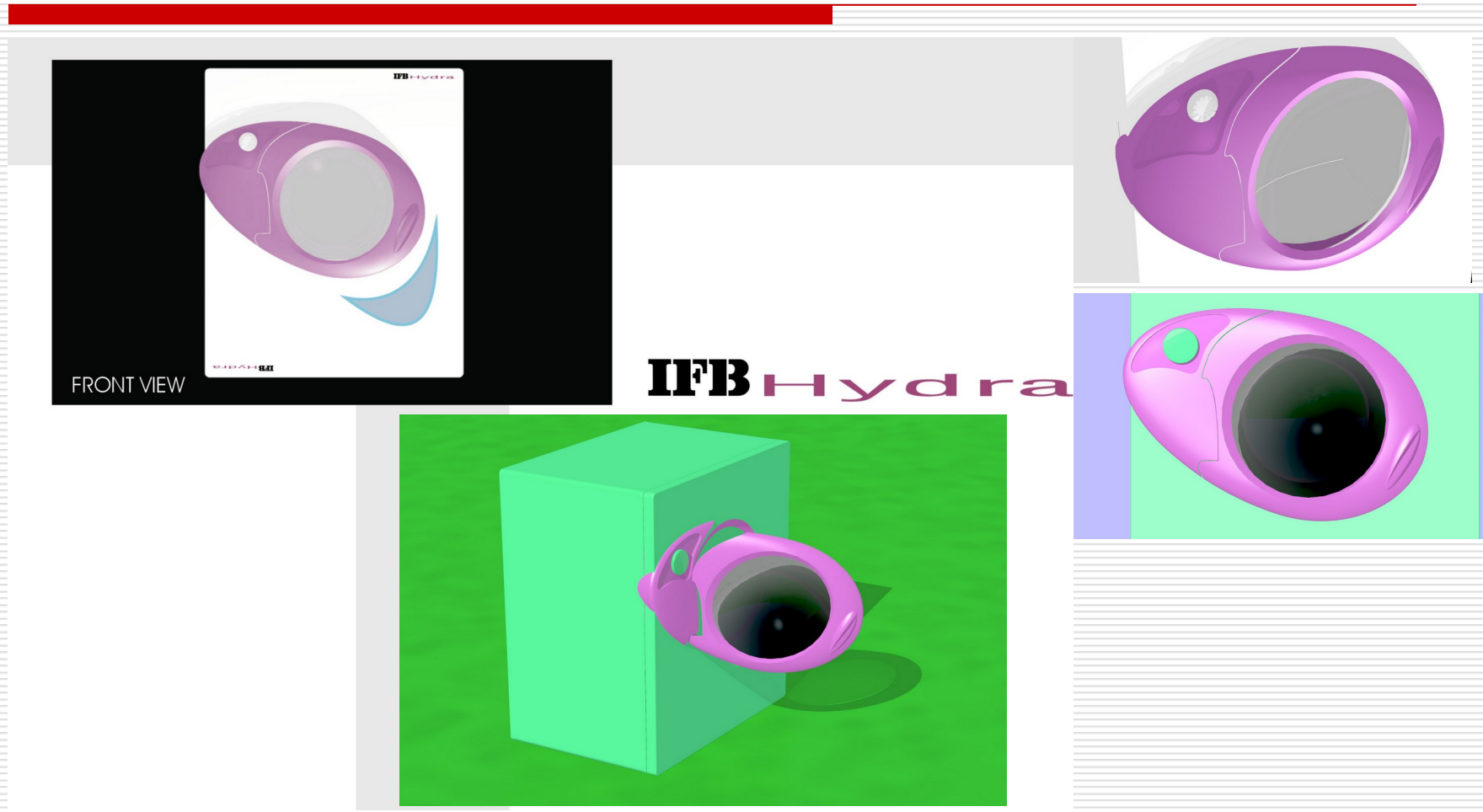
Existing product line developed by MOZAIC

Project: design of fascia for IFB cloth dryer

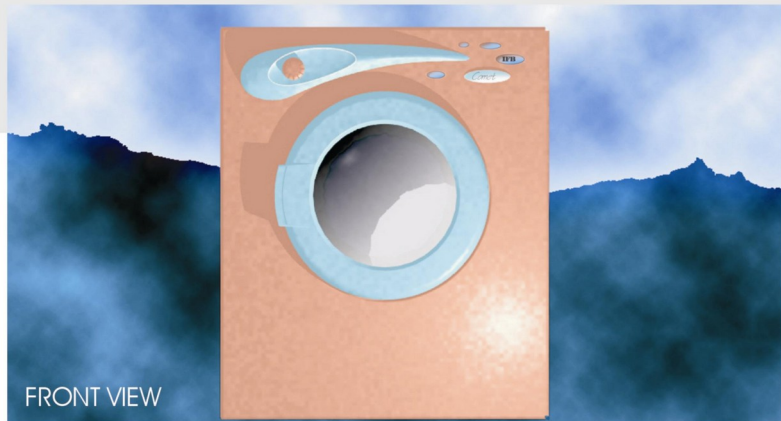


- little or no scope for any other draw on sheet metal body due to very tight spaces and optimization for a single shot process.
- Scope for different locations for screw holes and cutouts
- The cover for hinges can be scaled to house the control panel in itself.
- The electronic timer can be completely incorporated inside the panel itself

Project: design of fascia for IFB cloth dryer



Project: design of fascia for IFB cloth dryer



IFB Comet



An abstraction ..

A comet on top ...

The imagery of a comet has a persistent bend which goes well with the lid

Project: design of fascia for IFB cloth dryer



FRONT VIEW

IFB Blaster



PERSPECTIVE VIEW

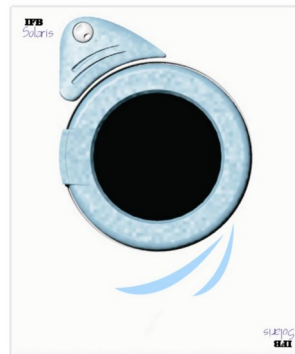
Something I realized
I'm good at

Messing up names !!

Project: design of fascia for IFB cloth dryer



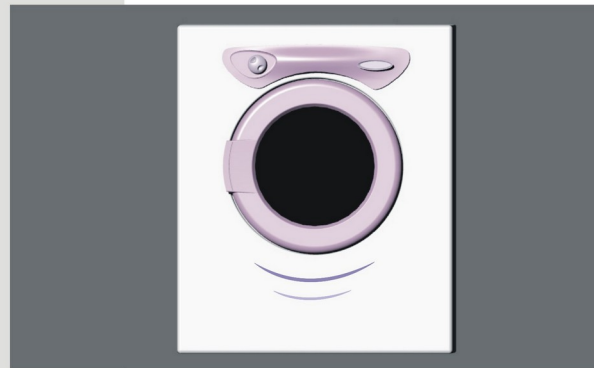
IFB Solaris



The solution ...
Put another logo upside
down ... seems to be
working ...

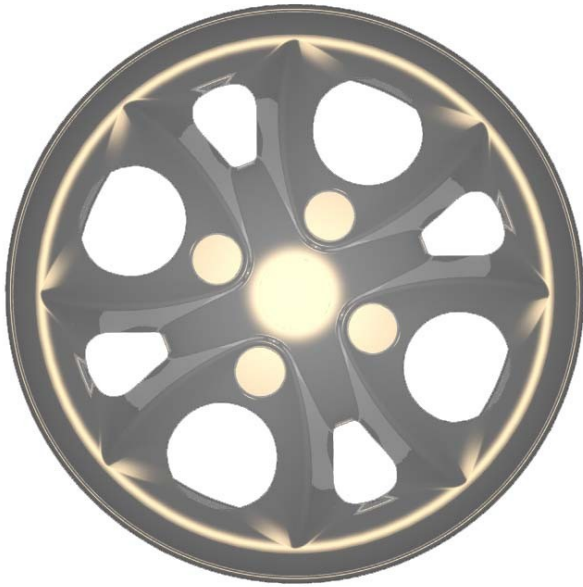


IFB *SOLAR*



Project: Design of wheel hub caps for accessory markets.

Clients : Paresh Industries, MUMBAI



Project: Design of wheel hub caps for accessory markets.

User analysis

Conflicting utilities.....

#protect the wheel hub and the disc brakes from the dirt flying in and in the process give an aesthetic appeal to wheels

#fake alloy wheels



Product analysis

Different fitting details

#snaps on the outer rim

#single nut at the centre

Material :PVC, ABS

Design guidelines

#Hubcap as an independent aesthetic element on car.

#There should be adequate vents for allowing in air for cooling the discs

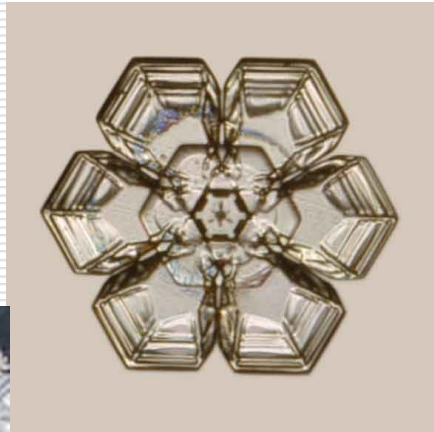
#no insert molding

#dynamically balanced

Project: Design of wheel hub caps for accessory markets.



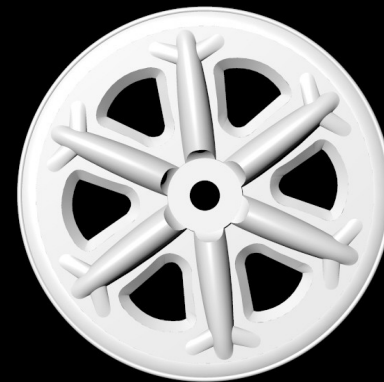
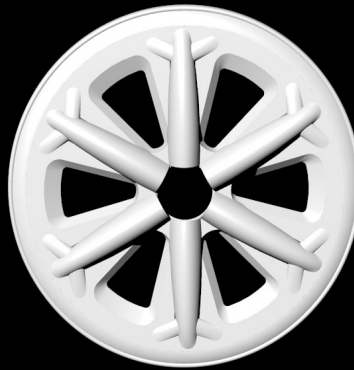
The metaphor



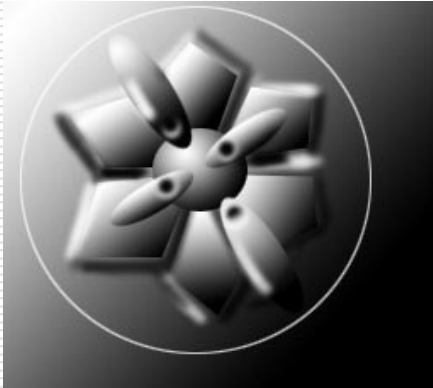
#Dynamic
#balanced
#resembles wheel
#permutable



Project: Design of wheel hub caps for accessory markets.



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Project: Design of wheel hub caps for accessory markets.



Final concepts

Project: Proposals for end caps of DMUs in FRP

Clients : kineco Industries, GOA



Existing DMU

Capabilities of clients ..

- #Mostly Hand lay process

- #Limited expertise in 3d parting lines .

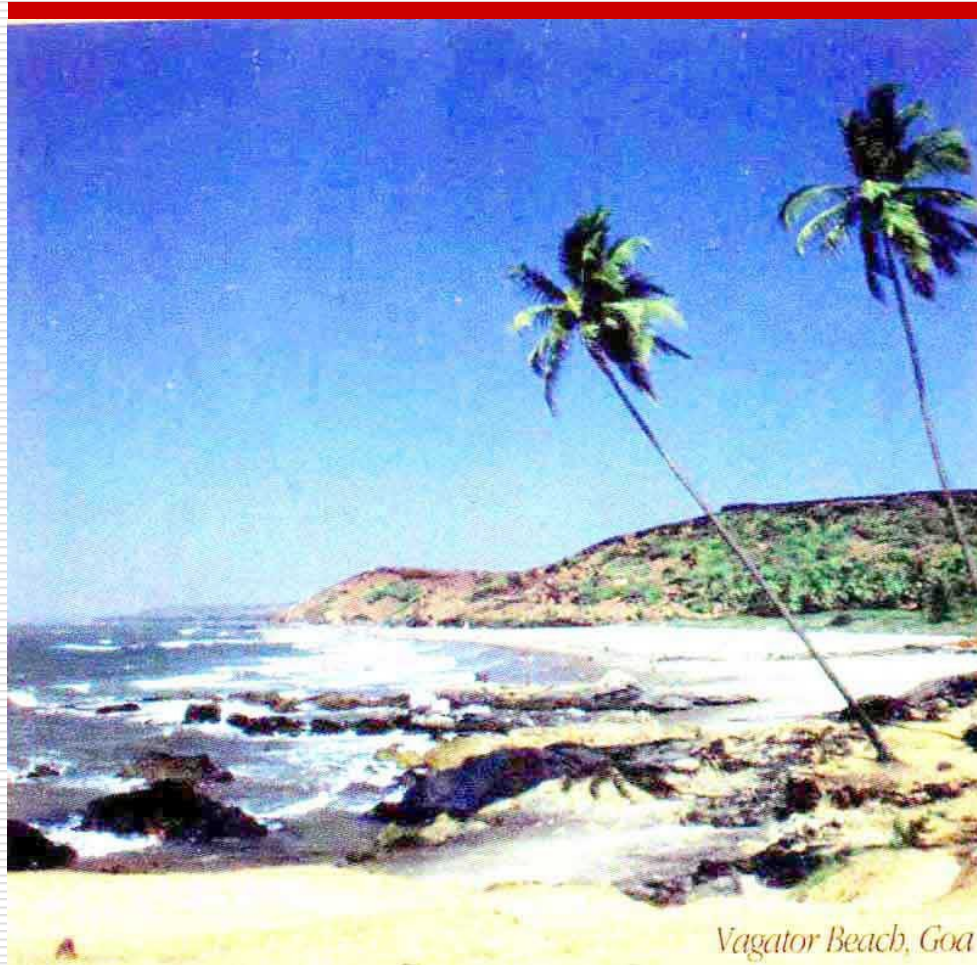
- #Preferably off the shelf accessories

COMPOSITE END CAP FOR DMU'S



COMPOSITE END CAP FOR DMU'S





Vagator Beach, Goa

Thanks ...