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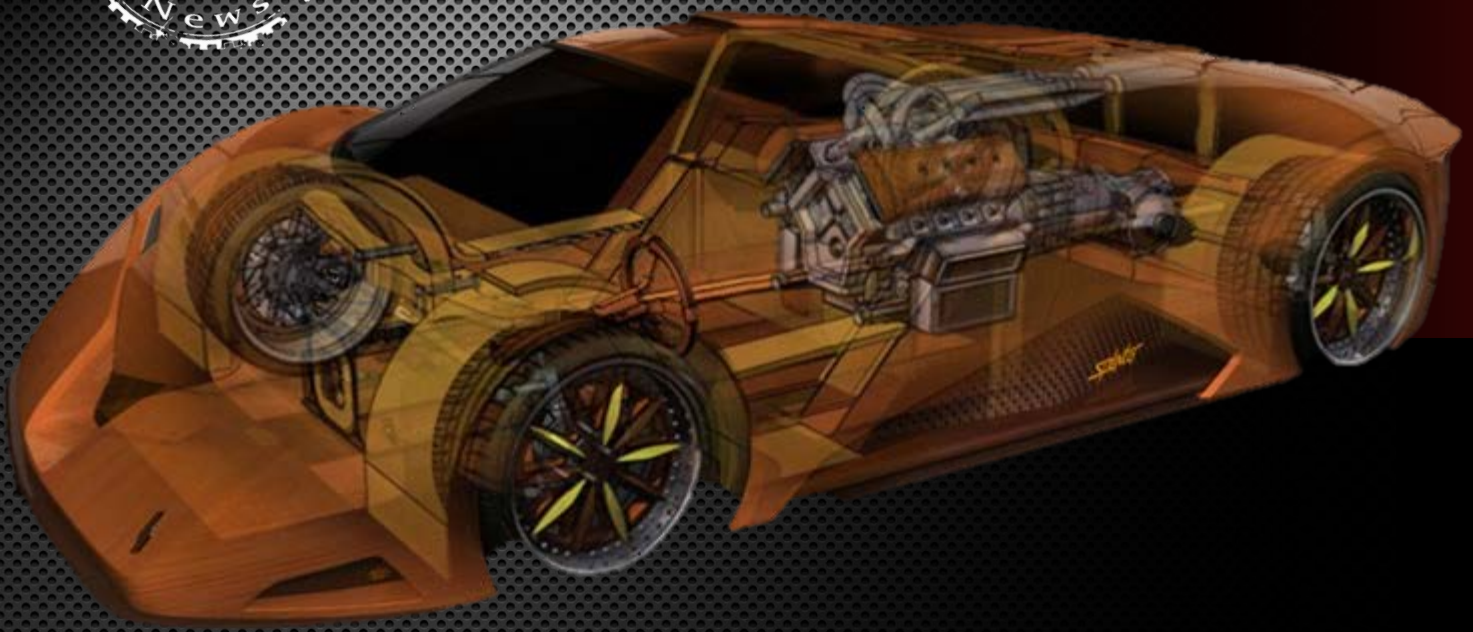
DAuto 42nd edition Newsletter



2013

FEBRUARY
EDITION

DAuto NEWS LETTER

Design engineers turn designs into reality. Without them, a great idea but nothing more than, ... well, a great idea.

VL Automotive Destino

Presented at the 2013 Detroit Motor Show, Destino is a supercar that combines the body and chassis of the Fisker Karma with the supercharged V8 of the Chevrolet Corvette ZR1.

Developed by US-based VL Productions, Destino is the result of a collaboration between industrialist Gilbert Villereal and former General Motors Vice Chairman Bob Lutz.

VL Automotive Destino

Destino will be manufactured by VL Productions in Auburn Hills, Michigan.

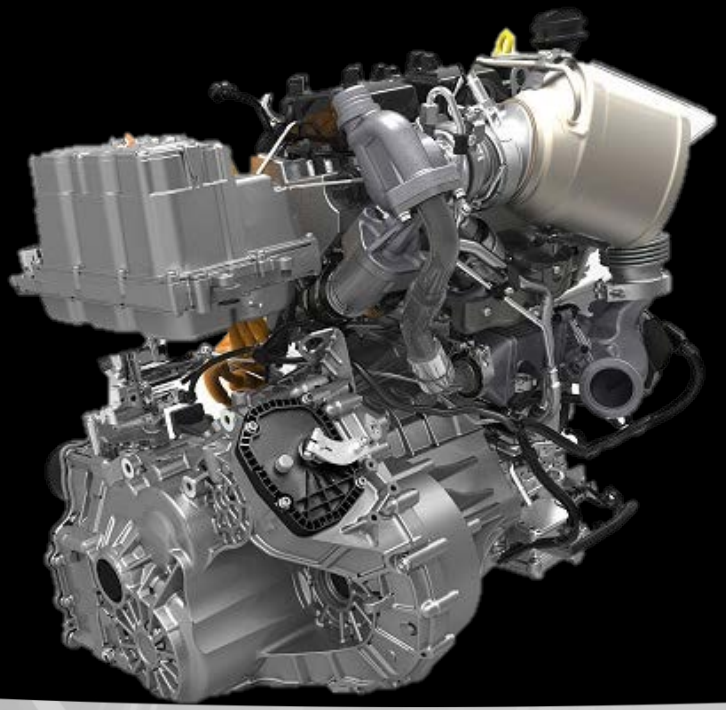
Destino has an overall length of 202.8 inches and a 124.4 inch wheelbase.

Overall height is 52.4 inches.

Volkswagen XL1 confirmed for production

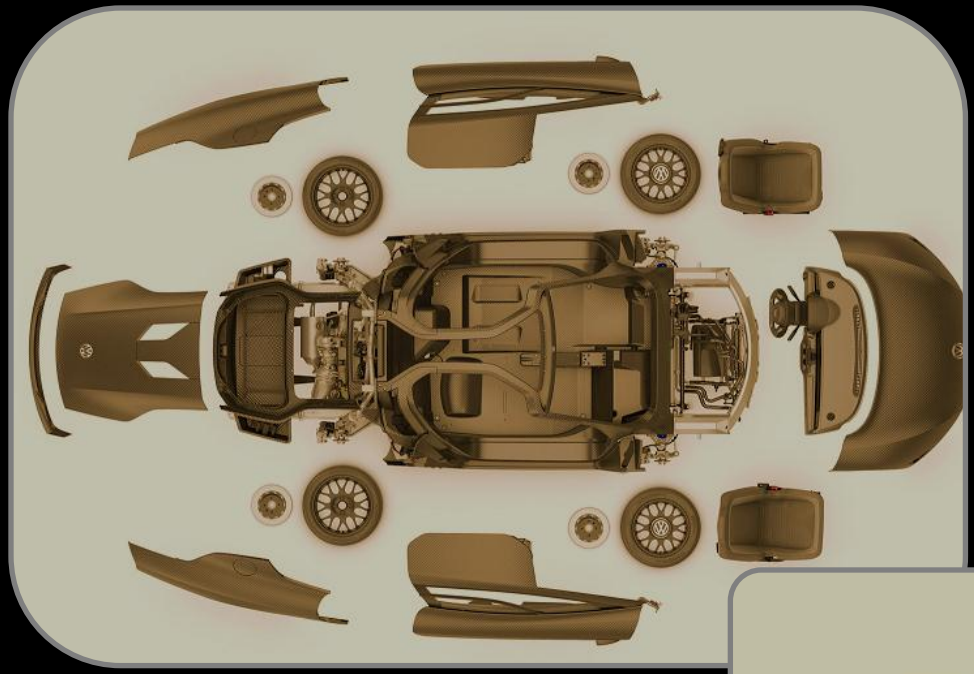
The development of the "1-liter" car was started by Volkswagen in 2002 with the first L1 prototype, evolved in to the L1 and XL1 concept cars presented in 2009 and 2011 and now has finally arrived to the production-ready XL1 which will make its debut at the 2013 Geneva Motor Show.

Volkswagen has announced the upcoming launch of the XL1, the most fuel-efficient production car in the world with a fuel consumption of 0.9 l/100 km.



The XL1 is equipped with a plug-in hybrid system featuring a two-cylinder TDI engine (35 kW/48 PS), a 20 kW/27 PS electric motor, a 7-speed dual clutch gearbox (DSG) and a lithium-ion battery.

Volkswagen XL1 confirmed for production



the extremely low weight (795 kg), the optimal aerodynamics (Cd 0.189) and a low centre of gravity (1,153 mm high). This gives the XL1 the ability to cruise on the road at a constant speed of 100 km/h using just 6.2 kW/8.4 PS, with just 21 g/km of CO2 emissions.

In all-electric mode, the XL1 requires less than 0.1 kWh to cover a driving distance of over one km and has a range of up to 50 km.The top speed is electronically limited to 160 km/ h and the acceleration from 0 to 100 km/h takes 12.7 seconds.

The body of new XL1 weighs just 230 kg and is based on a monocoque frame. Both the outer panels and the structure are produced from lightweight CFRP using the RTM process (Resin Transfer Moulding).

Revealed: Alfa Romeo 4C

Alfa Romeo has revealed the first official images of the 4C compact sportscar, based on the 2011 4C Concept and going on sale this year.

Additional technical highlights include the Alfa TCT automatic twin dry clutch transmission, which can be used changed in sequential mode using the shift paddles behind the steering wheel and in combination with the Alfa DNA selector, which includes a new Race mode.

Revealed: Alfa Romeo 4C

The interior – which has yet to be revealed – features two bucket seats and a center panel trimmed with carbon fiber.

The car achieves high aerodynamic efficiency levels, recording a negative Cz (downforce coefficient) for increased stability at higher speeds and is expected to have a total weight well below 1,000 kg..

The tail lamps have a more conventional structure and the door-mounted side mirrors have a simpler, rounder design which doesn't integrate with the as well as the sleek mirrors of the concept.

The new headlights feature no glass housings, and have multiple circular LED units integrated in a plastic component.

The 4C is equipped with a new 4 cylinder 1750 Turbo gasoline engine, an evolution of the unit already in use in the Quadrifoglio Verde version of the Giulietta.

W Motors Lykan HyperSport

Unveiled at the 2013 Qatar Motor Shoq, the Lykan is the first supercar built in the Middle East. It is planned to be produced in just 7 units with a price of $3.4 million.

Developed in six years in collaboration with technical partners RUF Automobile, StudioTorino, Viotti, Magna Steyr Italia and ID4MOTION, the Lykan is powered by mid-mounted a flat 6 cylinder, twin-turbo engine delivering 750 hp.

W Motors Lykan HyperSport

The main performances are a top speed of 390 km/h and a sprint from zero to 100 km/h in just 2.8 seconds.

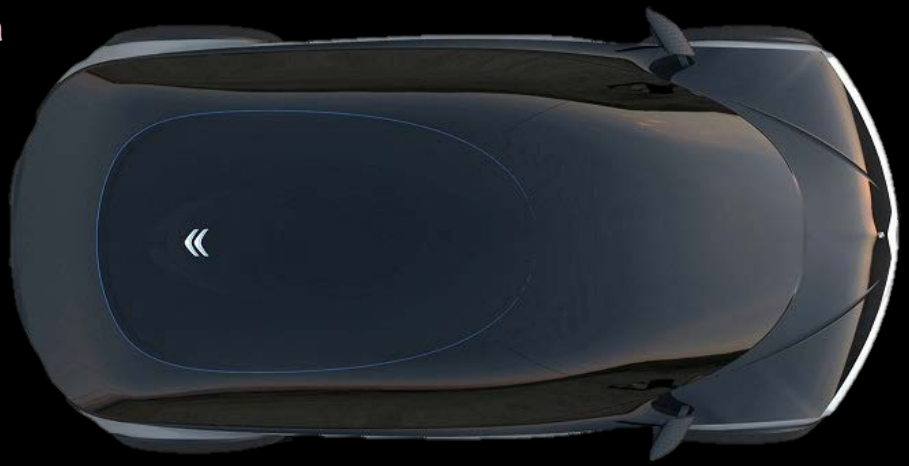
Created by W Motors, the Lykan has an aggressive design made of tight surfaces combined with sharp edges and crease lines.

W Motors Lykan HyperSport

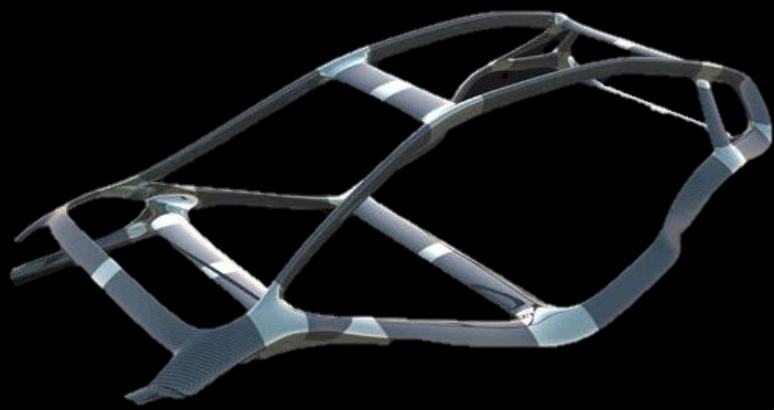
The luxurious interior features gold-stitched leather, diamond-encrusted LED lights and a 3D Virtual Holographic Display with Tactile Interaction.

Citroën DS BiRotor Concept

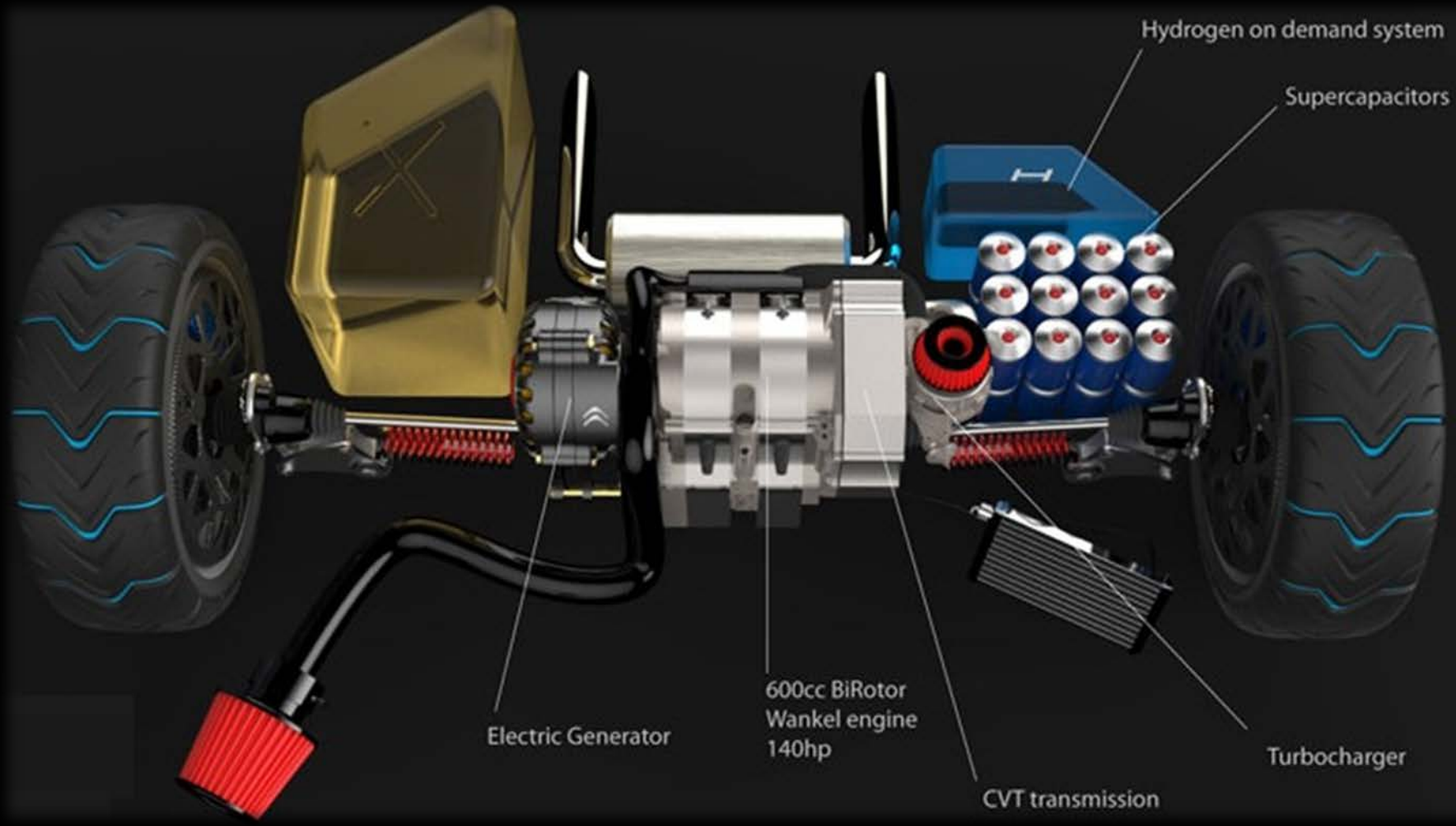
The Citroen DS BiRotor is a lightweight 4-seater coupé designed to optimize urban mobility and fuel consumption. 600cc Wankel engine powering the rear axle, coupled with two in-wheel electric motors mounted at the front and a CVT transmission.



The vehicle is based on a carbon / aluminum modular chassis, which is left exposed in the four-seater interior, characterized by the futuristic AMOLED screen and a transparent, polycarbonate panoramic roof.

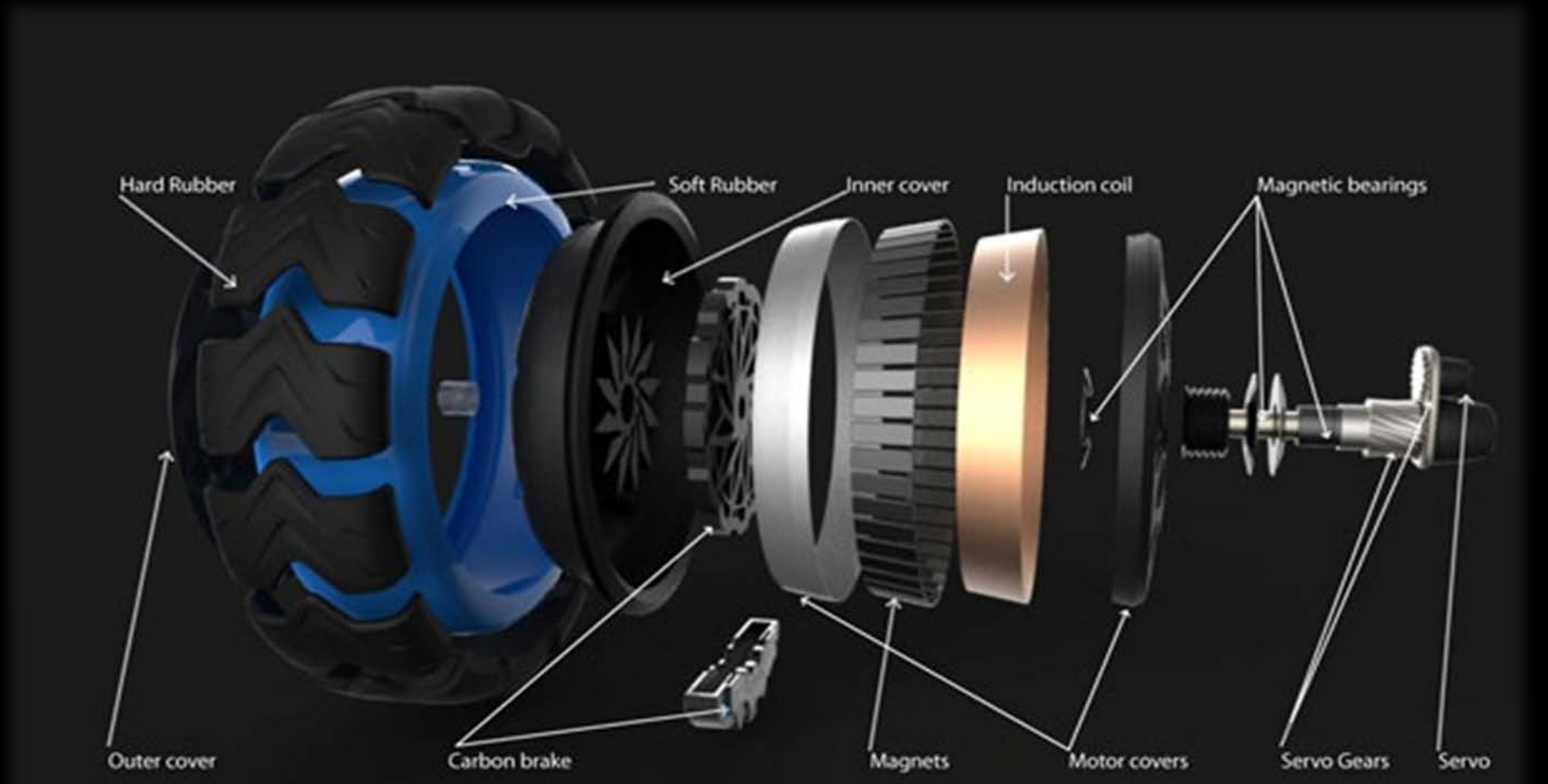


Citroën DS BiRotor Concept



The tires can adapt to different weather conditions and driver demands by expanding and contracting widthwise.

Citroën DS BiRotor Concept



creating gaps between the rubber to allow water flow and increase grip or shrinking themselves altogether generating a slightly larger, thinner and harder tire to aid fuel consumption.

STUDENT'S CORNER

News from DAuto Family

This Car and imagined contrive have been prepared and envisioned by Ajay Chouhan (Oriental Jbp) and Shivam Dubey (GGITS Jbp) respectively, students of DAuto CAD School during the period of Software Training on CATIA V5.

For more info.9752006008/ 9981500100 E-mail us at: training@dauto.co.in

STUDENT'S CORNER

News from DAuto Family

Sports Car
Shubham Khare
MIST Bhopal

Classic Jeep
Shailesh Kumar
MIST Bhopal

Iron
Shailesh Kumar
MIST Bhopal

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Thank You ! !