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NEWS  
LETTER

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

## CITROËN REVEALS C- ELYSÉE WTCC

The C-Elysée WTCC features 18-inch wheels, an integrated aerodynamic splitter and a front bumper that accentuates the radiator grille with its prominent double chevron. The widened front and rear wings lend the car's bodywork a decidedly racing feel.



Citroën has revealed the first sketches and details on the C-Elysée WTCC, that will be driven on the circuits by Sébastien Loeb.

At the rear, the stylish rear wing will ensure that the car hugs the track. Under the hood, the C-Elysée WTCC is powered by the same 1.6-litre direct injection turbocharged engine as the DS3 WRC. With a wider booster flange, power output is now close to 380bhp. The car comes with a front-wheel drive transmission, controlled by a six-speed sequential gearbox.

## MERCEDES-BENZ ENVISIONS GOLF CART OF THE FUTURE



At this year's Open Championship Mercedes-Benz presented the Vision Golf Cart, a study create by the company-s Advanced Design Center in Carlsbad, California.

The cart combines the aspects of Mercedes-Benz vehicles with the functionality of a golf cart. The diamond grille, for instance, was incorporated to give the cart a face that is unmistakably a Mercedes-Benz.





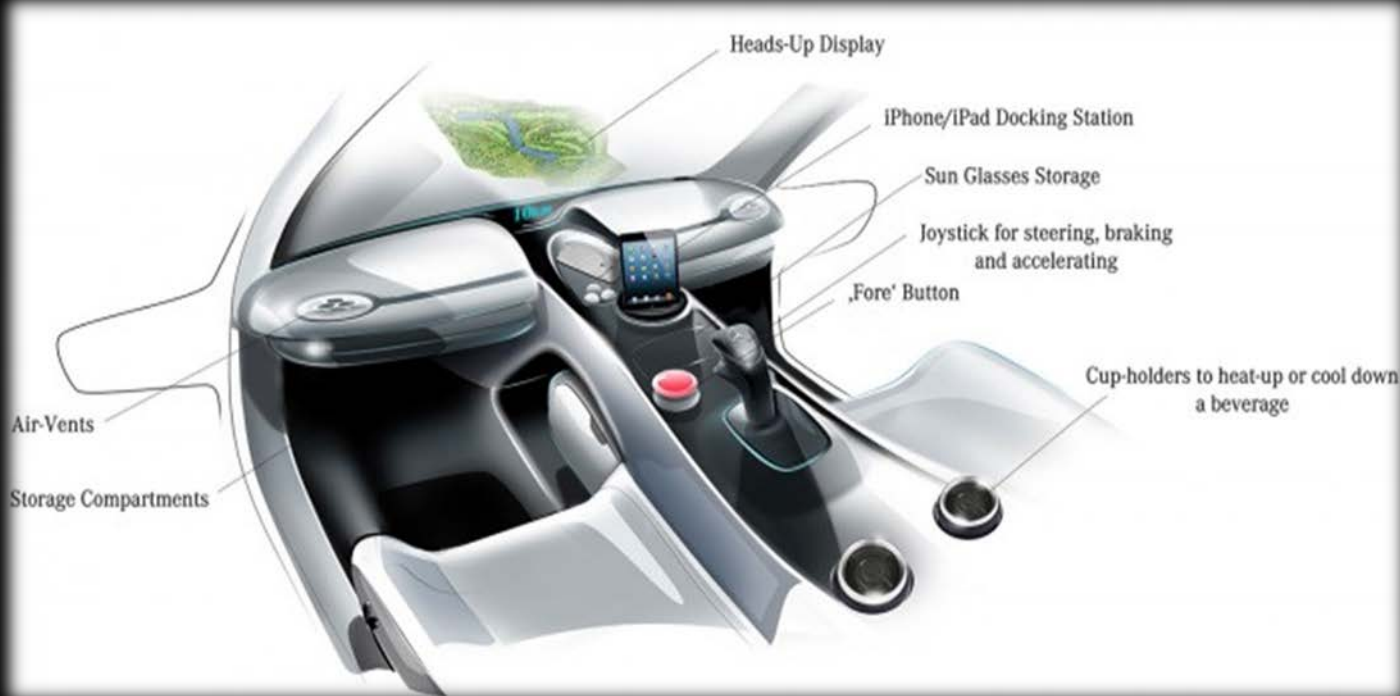
The Mercedes-Benz Vision Golf Cart is electric driven, powered by a battery that is kept continuously charged by a solar module integrated into the roof. Manual charging, as for a conventional golf cart, is also possible



"The Mercedes-Benz Vision Golf Cart has a refined, simplified yet functional shape that fits well into our 'Sensual-Purity' design philosophy. The flow shapes create a 'sculpture on wheels' impression"

The vehicle is controlled in innovative and intuitive fashion via a joystick mounted on the centre console, so making it possible for either passenger to drive the golf cart...

The AIRSCARF neck-level heating system, is also envisaged as a feature of the Mercedes-Benz Vision Golf Cart. AIRSCARF, as its name suggests, wraps the neck and shoulder area in warm air, so making it possible to drive the vehicle open, even in cooler weather.



The interior takes its cues from the design of a Mercedes-Benz car. The ergonomically shaped seats, for example, are heated as well as ventilated and can be adjusted electronically using the Mercedes-typical controls on the side of the seat.

The centre console also incorporates a multimedia panel that includes a rotatable docking station for an iPad or iPhone and a USB interface.

## LM CRUISER BIKE DESIGN CHALLENGE: THE WINNERS

Local Motors has announced the results of its LM Cruiser bike design challenge. Local Motors' LM Cruiser bike design challenge asked participants to design a motorized bicycle with a vintage, nostalgic, old school look.

The first three winners are  
Ianis Vasilatos,  
Nagabhushan Krishna  
Hegde and Andre Costa



2nd place: LM Cruiser, by  
Nagabhushan Krishna Hegde  
from India



1<sup>st</sup> place:  
Ariel  
Cruiser by  
Ianis  
Vasilatos  
from  
Romania.



3rd place:  
Cruiser  
Schneider  
Special  
by Andre  
Costa from  
Portugal



## NEW MAZDA3 REVEALED

Among the technical highlights are the i-stop, the world's fastest idle-stop system, and the i-ELOOP brake energy regeneration system.



Its dynamic signature wing of the five-point grille to the expansive sheet metal cresting over sleekly slanted headlamps, from the wide-stance muscular fenders to the taut character lines flowing from panel to panel, sculpting into a chiseled rear featuring provoking taillights.



The interior is no less impressive, starting with the driver-oriented cockpit. All-new for Mazda vehicles and being launched with the 2014 Mazda3 will be a next-generation human-machine interface (HMI) system. Based on the heads-up cockpit concept, the new HMI system aims to help drivers maintain proper posture, concentrate on the road and drive more safely, even while handling larger amounts of information.

## OPEL/VAUXHALL MONZA CONCEPT

The concept focuses on two themes – efficiency and connectivity – and features a design that evolves Opel/Vauxhall's 'sculptural artistry meets technical precision', and develops a "new theme which conveys a sense of lithe athleticism, rather than pure muscle power."



This design emphasis is immediately apparent in the vehicle's frontal styling. A low stance with flowing lines, the clearly defined bonnet and striking headlamp treatment all combine to give the car an extra dose of self-confidence.

Further developed signature Opel/Vauxhall themes are the typical crease on the hood – that appears more three-dimensional and prominent – and the chrome grille bar carrying the brand logo, that sweeps up with winglets at its tips.





## PEUGEOT DESIGN LAB REVEALS GTi SURFBOARD CONCEPT



The design was inspired by the thrill from driving Peugeot's latest performance products, most notably the new 208 GT, the new RCZ R and the recent Onyx Concept Car.



The Peugeot Design Lab Surfboard Concept blends the traditional wood of a classic surfboard with the latest carbon fibre technology, a clear hint at the Onyx Concept. Quad fins fluidly placed along the edge of the scalped tail are designed to give a responsive, exhilarating and agile ride quality.



The 'coupe franche' (clean cut) design separates the two ends of the board, the 'Motion' end is a precise, hi-tech shape optimized with a carbon fibre tail piece while the leading edge nose is shaped from natural wood and embellished with the brand signature 'Peugeot GTi'.

## THREE-MODE ESC. THERE IF EVER YOU NEED IT

When switched fully on, Electronic Stability Control (ESC) constantly monitors your vehicle's progress. It senses any deviations from your chosen driving line, such as if you start to skid, and automatically corrects your road position, helping you maintain control of the car.



With the Focus ST, you've two other options. Firstly, you can choose Sport Mode. A reduced form of ESC, this is designed to allow experienced performance drivers to 'drift' the car through corners on track days. Secondly, you can choose to turn the ESC fully off – for accomplished drivers only.

## TECHNOLOGY THAT SUPPORTS PARKING

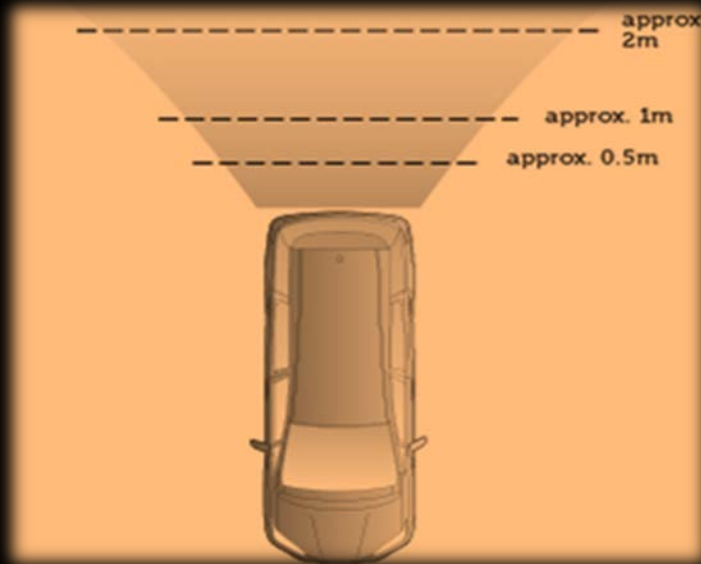
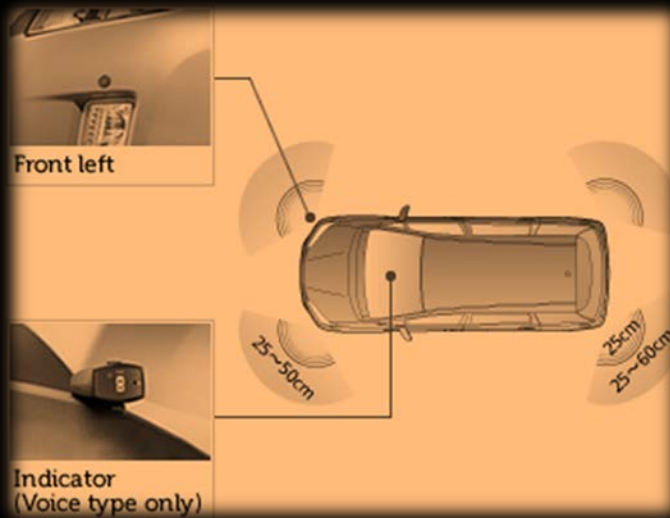
### CLEARANCE SONAR DETECTS OBJECTS BY ULTRASONIC WAVES

The ultrasonic wave sensor is built into the corners of the bumper. It detects the distance to objects and notifies the driver with sound and display lamp alerts. There also is a steering-sensor that uses the steering maneuver and angle. It detects the distance of approaching obstacles and notifies a driver by a clearance sonar indication light and buzzer.

### BACK GUIDE MONITOR SUPPORTS GARAGE PARKING

The camera installed on the rear side of the vehicle displays the view when backing into a garage.

A guidance line appears according to how the steering wheel is operated. By letting the driver confirm the parking space into which they are backing, this equipment helps the driver park smoothly.

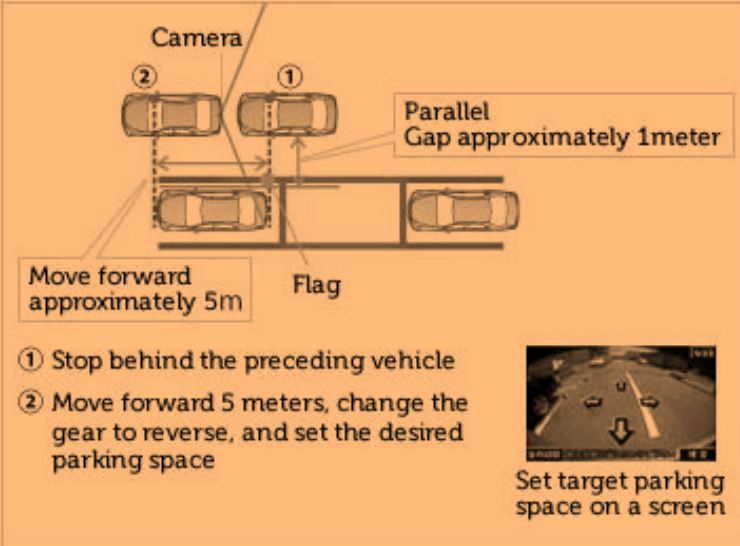




## INTELLIGENT PARKING ASSIST (IPA) SUPPORTS PARKING MANEUVERS

### Intelligent Parking Assists-Movement Image

#### [Parallel parking]

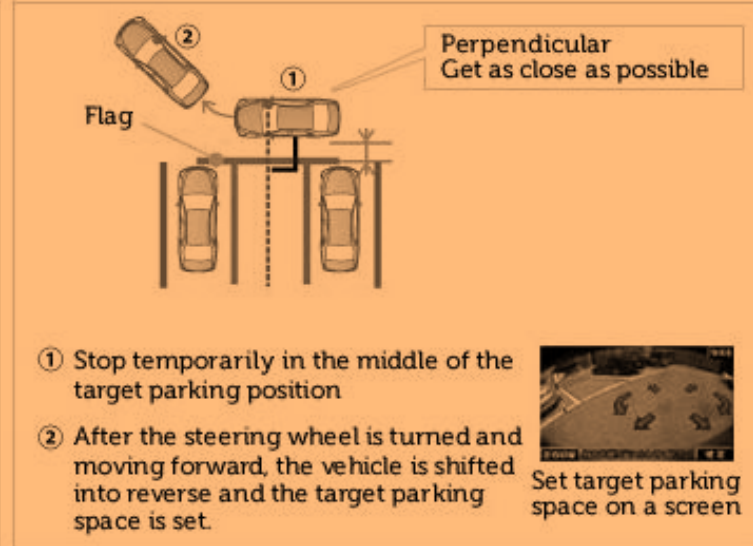


The diagram illustrates the parallel parking process. It shows a car (1) moving forward towards a gap between two parked cars. A 'Flag' is placed on the ground to mark the target position. A 'Camera' is shown above the car, indicating the view on the screen. A text box states 'Parallel Gap approximately 1meter'. Another text box says 'Move forward approximately 5m'. Below the diagram, a small inset image shows the camera's view on a screen, with a target parking space marked. The steps are listed as follows:

- ① Stop behind the preceding vehicle
- ② Move forward 5 meters, change the gear to reverse, and set the desired parking space

Set target parking space on a screen

#### [Garage Parking]



The diagram illustrates the garage parking process. It shows a car (1) moving forward into a parking space between two pillars. A 'Flag' is placed on the ground to mark the target position. A text box says 'Perpendicular Get as close as possible'. Below the diagram, a small inset image shows the camera's view on a screen, with a target parking space marked. The steps are listed as follows:

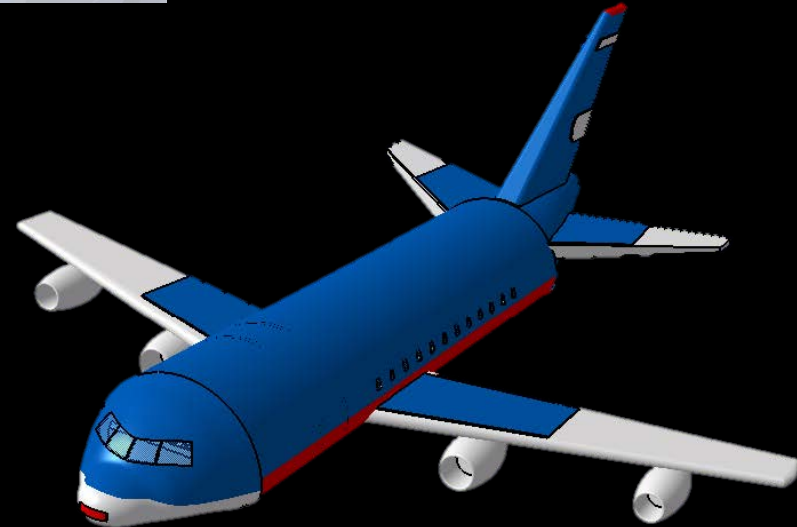
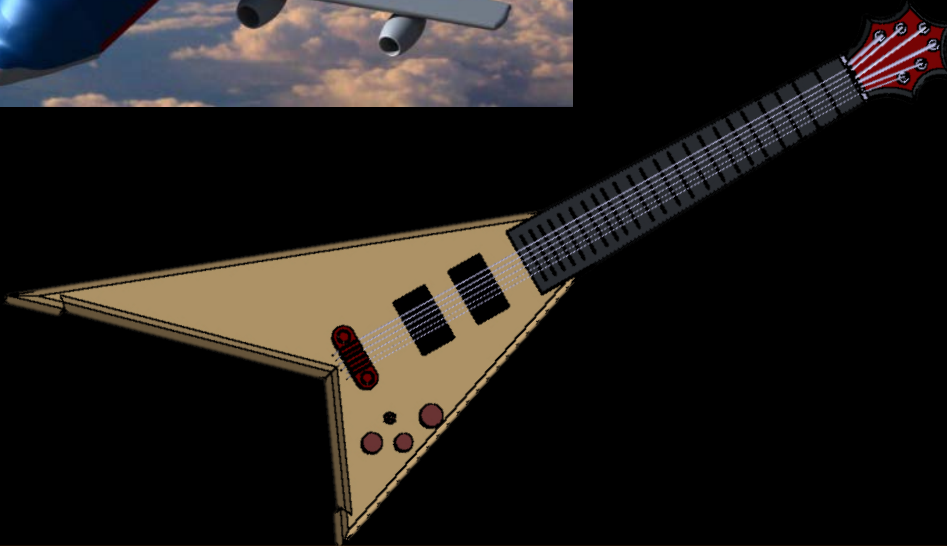
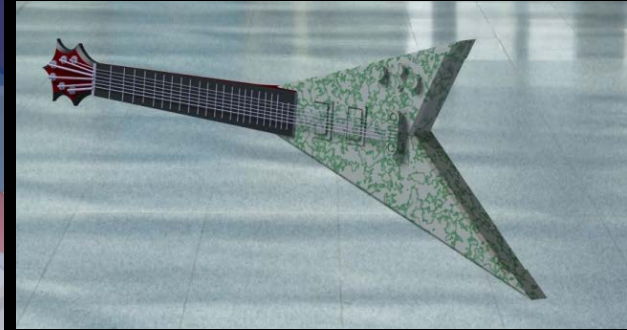
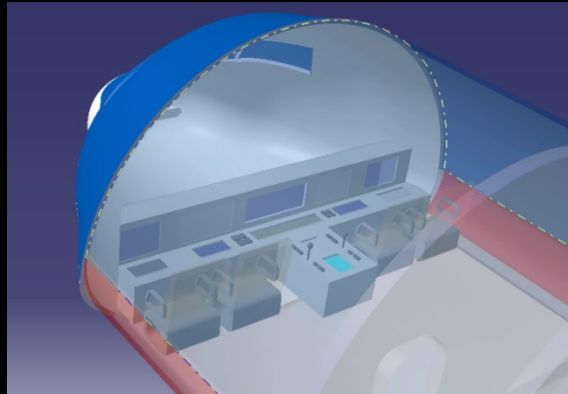
- ① Stop temporarily in the middle of the target parking position
- ② After the steering wheel is turned and moving forward, the vehicle is shifted into reverse and the target parking space is set.

Set target parking space on a screen

This system assists with the steering wheel operation while parallel parking or parking in garages. When the driver sets the designed parking position on the monitor, the system assists the steering wheel operation. Even if the driver is not good at parking, they will be able to park their car more smoothly.

## STUDENT'S CORNER

### News from DAuto Family



This Plane & Guitar have been prepared and envisioned by Saurabh Kumar Gupta & Deepesh Ahirwar of (TIT-E, Bpl) students of DAuto CAD School during the period of Software Training on CATIA V5.

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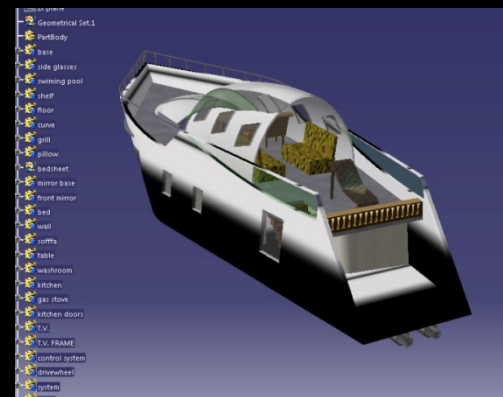
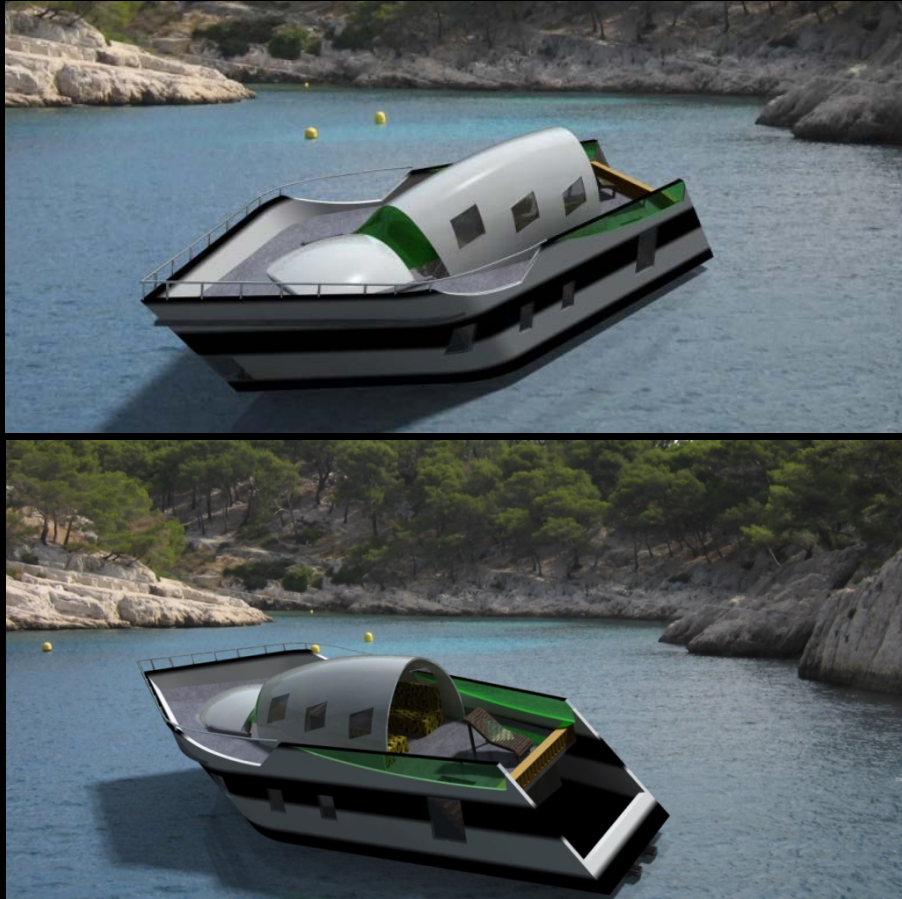
This CAR imagined designed and envisioned by By : Rohit Singh (SAIT Jbp), students of DAuto CAD School during the period of Software Training on CATIA V5.

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## STUDENT'S CORNER

### News from DAuto Family



This BOAT imagined designed and envisioned by By : Atishay Soni (RITS, Bpl), students of DAuto CAD School during the period of Software Training on CATIA V5.

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