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DAuto Newsletter

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DAuto Newsletter

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

Ahead of the Geneva debut Citroën has revealed the restyled DS flagship model, introducing a stand-alone identity characterized by the new front end.

Compared to the original DS 5, revealed in 2011, the new model features a brand's stand-alone identity with a monogramme is located at the center of the sculpted, vertical grille and the 'DS Wings' signature which extends as two shafts of light into the headlamps.

Citroën reveals DS 5's new face

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The changes include a new touch drive interface, a new range of engines and a host of new safety systems, from the blind spot monitoring system to a lane departure warning function, automatic high beam control, turning headlights, a reversing camera and a head-up display.

The new face also features a new light signature, shared with the DS 3 and DS 3 Cabrio, with jewels-inspired headlights combining LED and Xenon technologies, along with scrolling indicators. The new DS 5 will be unveiled at this year's Geneva Motor Show

Apple reportedly developing an electric vehicle

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What is certain, for the moment, is that Apple is working on its CarPlay vehicle infotainment ecosystem, and the Titan project could simply represent, as in Apple's tradition, an exploration of a new market and a potential product for a not so near future.

Ford to accelerate carbon-fiber development for automotive applications

Ford Motor Company has announced a new collaboration with DowAksa to develop manufacturing innovations in automotive-grade carbon fiber for use in future products – aiming to make vehicles lighter for greater fuel efficiency, performance and capability.

Ford and Dow Chemical began working together in 2012 to develop low-cost, high-volume carbon fibre composites. Also in 2012, the European Ford Research and Innovation Centre in Aachen, Germany, investigated new production processes to reduce cycle times for carbon fibre components through the Hightech. NRW research project. The goal is to develop a material that can greatly reduce vehicle weight in support of improved fuel economy for our customers

Porsche 901 Concept

This ambitious goal was carried out by recovering the original minimalism and compact dimensions and by subtly reinterpreting the trademark styling elements.
The round intakes in the engine lid are inspired from the butterfly engines of early RSR's, while the large openings underneath the taillights provide cooling for the engine and add an original visual element by exposing glowing exhaust headers when the car is running hot.

Chaparral 2X Vision Gran Turismo Concept

Measuring 4,556 millimeters in length, 1,800 mm in width and 1,608 mm in height – the new BMW 2 Series Gran Tourer offers ample space and a generous luggage compartment that can be extended in capacity from 645 to 805 liters – up t 1,905 liters with the rear-seat backrests folded down.

The proportions are defined by the long wheelbase and short overhangs, with a high roofline and large doors, and a touch of dynamism given by the muscularly sculpted hood with its forward-slanting kidney grille and by the inclined D-pillar.

Lexus LF-LC GT Vision Gran Turismo Concept

On the Vision Gran Turismo project, Lexus designers at the Calty Research Center took inspiration from the company's racing activities and aimed at creating a car for races such as the Super GT and the Nürburgring 24 hour. The vehicle is based on the LF-LC concept, first revealed at the 2012 Detroit Motor Show. The racing version includes a number of styling elements aimed at evoking emotions and racing passion, such as the shape of the tail lamps inspired by afterburners of a jet aircraft.

Ferrari envisions the F1 of the future

Ferrari's in-house design studio has created a concept design proposal for a futuristic Formulas One racing car, aimed at combining performance with a better look. The original initiative is based on the idea of giving a racing car a captivating, aggressive look, without changing the current technical rules.

The concept was developed by the Centro Stile Ferrari in collaboration with the aerodynamic engineering department. The challenge was to create something that was – to put it short – better looking.

Sculpting Cars in Virtual Reality

Future 3D modeling and sculpting software could offer designers an immersive experience thanks to the new VR headsets and haptic devices. Recently there has been great interest, mostly sparkled by the launch of the Oculus Rift project, in affordable, high-quality VR headsets, which have existed for quite a while for professional applications. The potential – and expected – commercial success of this type of product is likely to encourage 3D software companies to develop and integrate innovative UIs, and this is a great time for thinking about possible applications in the design world.

One of the uses that come to the mind is the review of full-scale models in virtual reality. The observation of a vehicle in its actual dimensions is crucial for evaluating its design. This is already part of the car makers' design process, but it currently involves specific facilities with large projection screens – such as the Power Wall – or other expensive proprietary solutions.

nanoFlowcell announces new Quant F and Quantino concepts

Measuring 3.91 metres in length, the QUANTiNO is a 2+2-seater original crossover. the main proportions are defined by the huge 22-inch wheels, while the surfacing and the styling details adopt a design language similar to that of the QUANT F. With its two 175-litre tanks, the QUANTiNO is able to carry 350 litres of ionic liquid.

The latest development of the project is taking shape in form of two concept cars. The QUANTiNO is a smaller, more affordable model, with a rated voltage of only 48 V which allows to achieve a power output of four times 25 kW, corresponding to around 136 hp, through a combination of nanoFlowcell®, buffer system and electric motors.

nanoFlowcell announces new Quant F and Quantino concepts

The QUANT F is a direct evolution of the original Quant e-Sport limousine: the 5.25-meter long, four-seater sedan has a new 2-speed automatic transmission developed in-house and features high performance figures, with an increased maximum rated voltage of 735 V (previously 600 V), a 1090 PS/802kW output and a top speed of over 300 km/h and a range of 800km. The system feeds over 50 amperes of current into a newly developed buffer system. In turn, this buffer system is briefly able to supply over 2000 amperes when needed for full performance. This is made possible by the particular powertrain, which includes two 250 liters tanks, with two ionic fluids – one with a positive charge and one with a negative charge.

Land Rover Symbol After pilchard tin

Land Rover

A theory suggests that the emblem of land Rover was actually inspired by a pilchard tin, as the designer was having his lunch when he created it. The company's current slogan is "Above and Beyond". While the green color in the Land Rover logo symbolizes the growth, freshness and environmental production of the company, the white color stands for its excellence, purity and charm.

STUDENT'S CORNER

News from DAuto Family

This Design had been created and Presented by Umang Jain (SATI,Vidisha) students of DAuto CAD School during the period of Software Training on Catia V5.

Students of DAuto CAD School during the period of Software Training on Catia V5.

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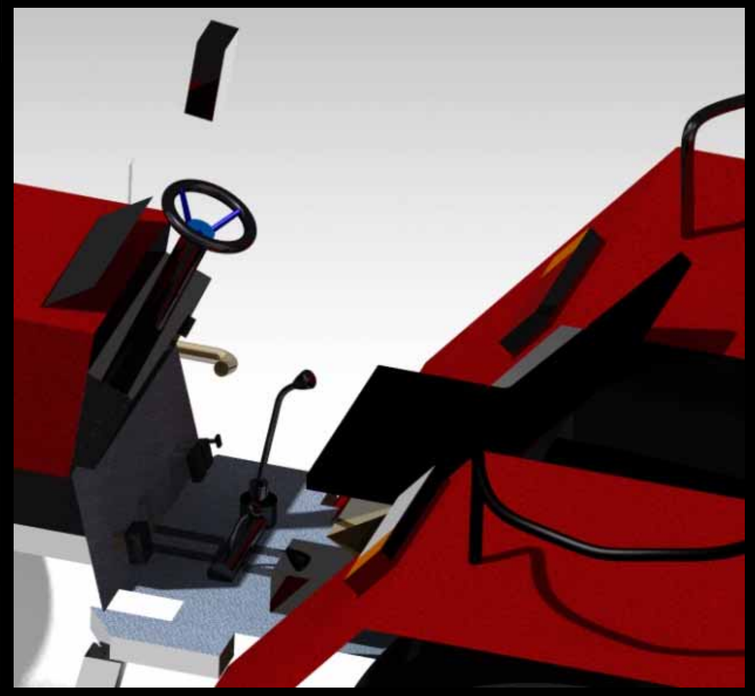
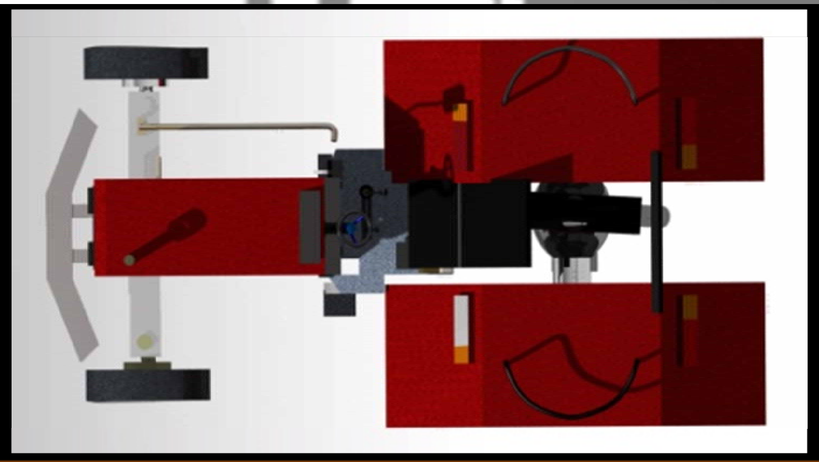
STUDENT'S CORNER



News from DAuto Family



This Tractor has been prepared and envisioned by Aparajit Sanyal (SRIT, Jabalpur) students of DAuto CAD School during the period of Software Training on CATIA V5.

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