

2014

DAuto Newsletter

OCTOBER EDITION



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

Ferrari F60America

To celebrate Ferrari's 60th year in North America, the Italian brand has created a limited edition version V12 open sports car that will be built in just 10 units.



The new car combines a body styled by Pininfarina with two passions of Ferrari's American clients – the V12 engine and open-top driving. The front end is dominated by the classic Ferrari single front grille with chrome finish and integrated air intakes for the brakes. The cabin's asymmetrical design highlights the driver's area with sporty red trim, while the passenger side is black, inspired by the historic Ferrari competition cars.

Iveco Vision Concept



Based on the new Daily commercial vehicle – which has recently won the “Van of the year 2015” award the Iveco Vision Concept was designed for door-to-door delivery missions. The exterior design was centered around the idea of “total visibility” and features large glazed surfaces – including a panoramic roof and the “see-through” front pillars and LED headlights.

The cabin features an adaptive Human/Machine Interface and is equipped with a tablet which communicates with the on-board electronics. A rear camera sight is displayed on a panoramic screen on top of the windshield.



The cabin features an adaptive Human/Machine Interface and is equipped with a tablet which communicates with the on-board electronics. A rear camera sight is displayed on a panoramic screen on top of the windshield.

Audi reveals the five-door TT Sportback Concept

The TT Sportback Concept joins the five-door A5 and A7 Sportback models, adding to the mix the sporty lines and distinctive silhouette of the TT coupé. Compared to its coupe counterpart this five-door, four seat variant is 29 cm longer (4.47 meters), 6cm wider (1.89 meters) and 3 cm lower (1.38 meters), while the wheelbase is 12 cm longer at 2.63 meters.



AUDI REVEALS THE FIVE-DOOR TT SPORTBACK CONCEPT



The high-performance power train is equipped with a by a 400 PS 2.0 liter TFSI engine – with a turbocharger that has maximum relative boost pressure of 1.8 bar coupled with a seven-speed S tronic twin-clutch transmission and the Quattro permanent all wheel drive system. The five-door Audi TT Sportback concept is 4.47 meters long, 1.89 meters wide, and .38 meters high, and is built around a wheelbase of 2.63 meters. Compared with the new production TT, it is 29 centimeters longer, 6 centimeters wider, 3 centimeters lower and has a 12 centimeter longer wheelbase.

The driver and the passengers enter the Audi TT Sportback concept through doors with frameless window panes. The interior fits around them with the precision of a bespoke suit. In the interior, the sporting overtones of the Audi TT meet the functionality of a four door saloon. This is underlined by slim line applications on the dashboard and doors, as well as a long centre console which continues through the entire interior. Hand worked seams run along the centre console and top shoulder from the front through to the luggage compartment.

Volkswagen presents the Ducati-powered XL Sport Concept

The most distinctive technical highlight of the XL1-based XL Sport Concept is the rear-mounted engine, the V2 adapted from the new 1199 Superleggera from Ducati, the Italian company recently acquired by VW Group.

The surface treatment makes use of precisely drawn edges and creases: in particular, the main side character line originates from the front wheel-arch rather than the headlight, which enhances the muscular front fender. The new Passat features a total weight reduced by up to 85 kg and fuel economy figures improved by up to 20 per cent. The model will be also available with a plug-in hybrid drive system. At the front, the new Passat's radiator grille features four chrome bars which bend inward towards the headlights in a trapezoidal shape. The lower most chrome bar of the grille is continued into the headlights.



Vol kswagen presents the Ducati-powered XL Sport Concept



The door windows are made of polycarbonate. The upper part of the windows is firmly attached to the exterior door skin due to the specifications of lightweight design, while a segment of the lower area of the side windows can be opened. The windscreen of both models is manufactured from a special type of thin glass. The XL Sport's steering wheel has decorative red stitching and has been equipped with aluminium shift paddles to facilitate ultra quick gear shifts.

The interior of the XL Sport is based on the interior of the XL1, but has been modified and individualized with a number of special details conforming with the complete realignment of the vehicle's dynamic. For example, the XL Sport has a digital instrument cluster specially designed for motor sports, with an individual lap time and oil pressure display. A flat carbon part that extends the top of the instrument cluster covering to completely eliminate reflections.



Yamaha 01 Gen

The 01GEN is defined by Yamaha as an on & off crossover, which refers to its maneuverability and ability to cross a variety of terrain, both on and off the road. At the same time it also refers to the “on & off” nature of the rhythm generated by mood shifts when switching between the enjoyment of eman-ding, riding, and liberated relaxed riding.



The body line flowing through the 01GEN makes no distinction between front and back, and the seamless design that sees the outer surfaces overlap and interlace is a feature that suggests “on & off crossover”.

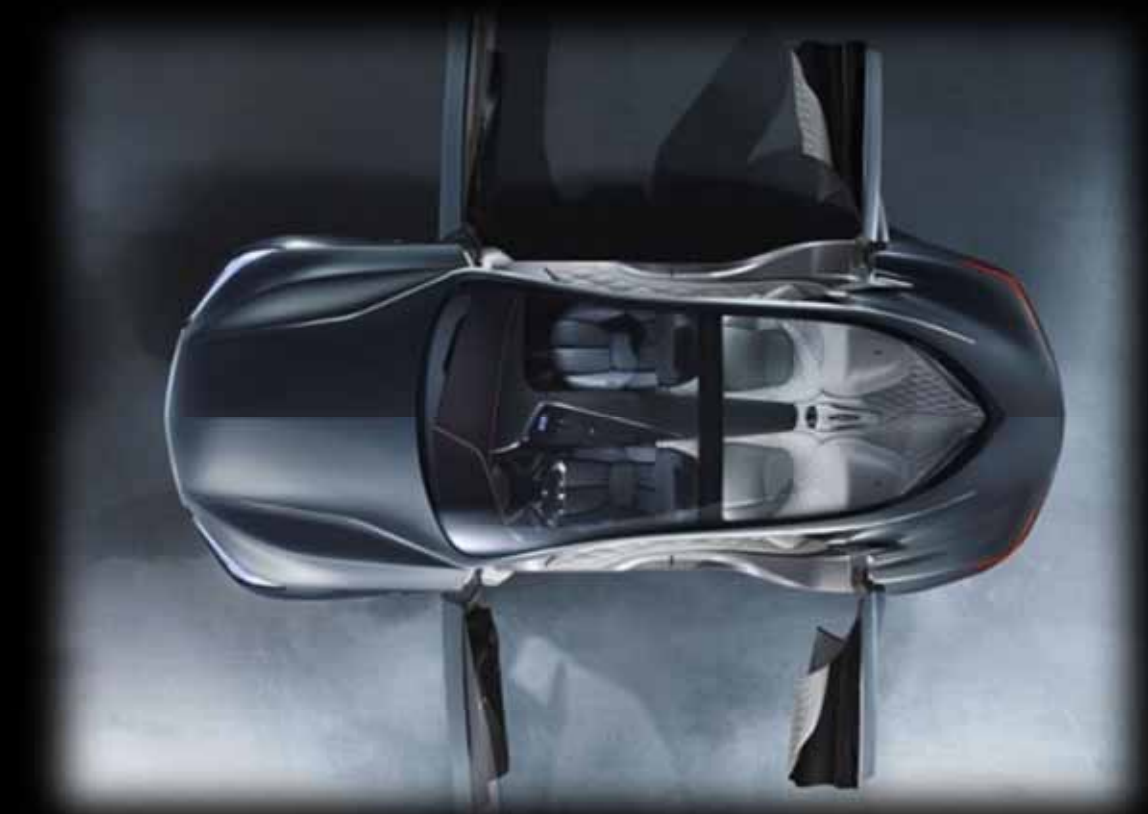
The interior The 01GEN is a proposal for a personal vehicle that enables enjoyment of two modes in one chassis. The idea behind this concept involves surface information being transmitted to the rider from the two front wheels, with the rider conveying their intentions to the machine, and power being transmitted to the rear wheel as drive force.



Infiniti Q80 Inspiration Concept: the design

Combining generous dimensions with sleek proportions and a distinctive surface treatment with flowing, organic lines, the Q80 Inspiration Concept expresses a statement for the future direction of the Infiniti brand.

The concept features a so-called 4×1 cocooning interior with a clean, uncluttered look and high quality materials and trims – a mix of leather, Alcantara and metal – as well as advanced technology such as a HUD display. The cabin is accessed through the car's wide opening portal-style doors.



The Q80 Inspiration is equipped with a 550hp hybrid power train featuring a twin turbocharged 3.0-liter V6 engine. Additional technical highlights include an aluminum and carbon composite bodywork and a driving assisting system that makes use of cameras, lasers and sensors. "It delivers feminine elegance and muscular menace in equal measure and strikes big in terms of styling, craftsmanship, choice of materials and attention to detail."

Infiniti Q80 Inspiration Concept: the design



Framing the Infiniti emblem is a full-scale, chrome-edged front grille that blends style, cooling and aerodynamics.



Inspired by Infiniti's signature human eye, set with an accusing stare and widely dilated pupils, it is the exterior framing that emits the bright white LED light.

The driver of the Infiniti Q80 Inspiration is engaged and enveloped by technology and luxury – the best seat in the cabin for those who love to drive.

Crescent-cut C-pillars are an Infiniti design hallmark, and for Q80 Inspiration they take a dramatic starring role for form and function – not only as leading flourishes for the powerfully sculptured flanks of the concept, but also as cool air intakes for the hybrid boost battery pack.

Lamborghini unveils the Asterion LPI 910-4 Hybrid Concept

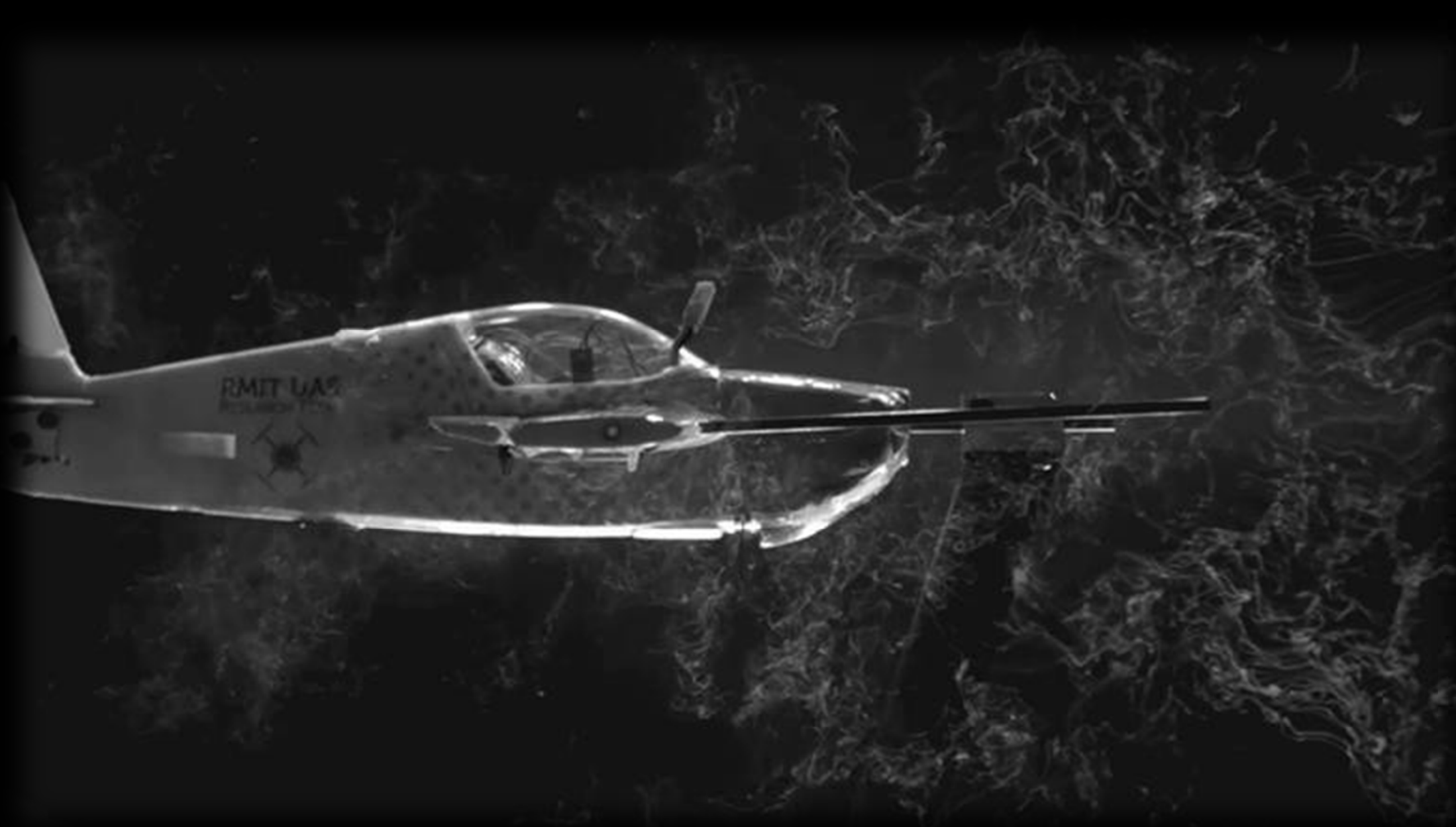


At the 2014 Paris Motor Show Lamborghini has revealed the Asterion LPI 910-4, a 910 hp plug-in hybrid technology demonstrator featuring a carbon fiber architecture and a more classic, less extreme design.

The first hybrid system from Lamborghini combines a V10 5.2 liter naturally aspirated engine with three electric motors, for a total power of 669 kW/910 hp, that enables a 0-100 km/h sprint in 3.0 s and a top speed of 320 km/h, while maintaining low CO₂ emissions of 98 g/km and a range of 50 km in pure electric mode. The design language also marks a new approach: the razor sharp lines and angular surfaces.

Feathers in flight inspire anti-turbulence technology

Inspired by nature's own anti-turbulence devices -- feathers -- researchers have developed an innovative system that could spell the end of turbulence on flights. Researchers from the Unmanned Systems Research Team have lodged a provisional patent on the system, which mimics the way feathers help birds detect disturbances in the air. Flight testing on a micro plane showed the system significantly reduced the effects of turbulence.



"By sensing gusts and disturbances in air flow through their feathers, birds are able to fly gracefully rather than bouncing around in turbulent air. The system which has been developed replicates this natural technology, with the aim of enabling planes to fly smoothly through even severe turbulence -- just like birds." The system is based on the concept of phase-advanced sensing, in which flow disturbance is sensed before it results in aircraft movement.

Subaru's Logo references a cluster of stars in the constellation of TAURUS



Six Stars of Subaru:

The six stars in the Subaru logo are a reference to Pleiades, a cluster of stars in the constellation of Taurus. Subaru is Taurus's Japanese name.

These six stars are especially easy to identify in the Japanese sky, and have guided travelers for generations.

STUDENT'S CORNER



This Design had been created and Presented by Akshay Dixit (RSIT, Jabalpur) students of DAuto CAD School during the period of Software Training on Catia V5.

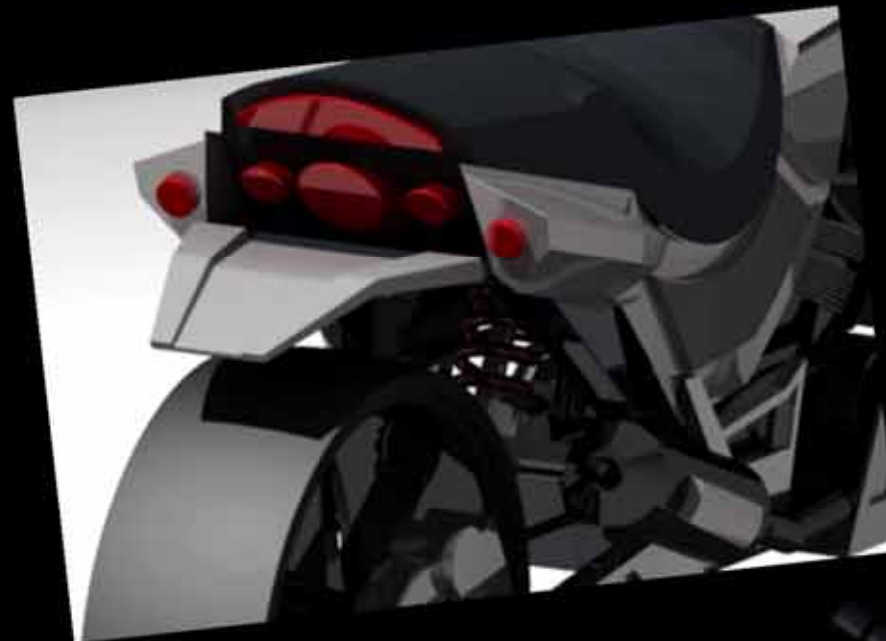
News from DAuto Family



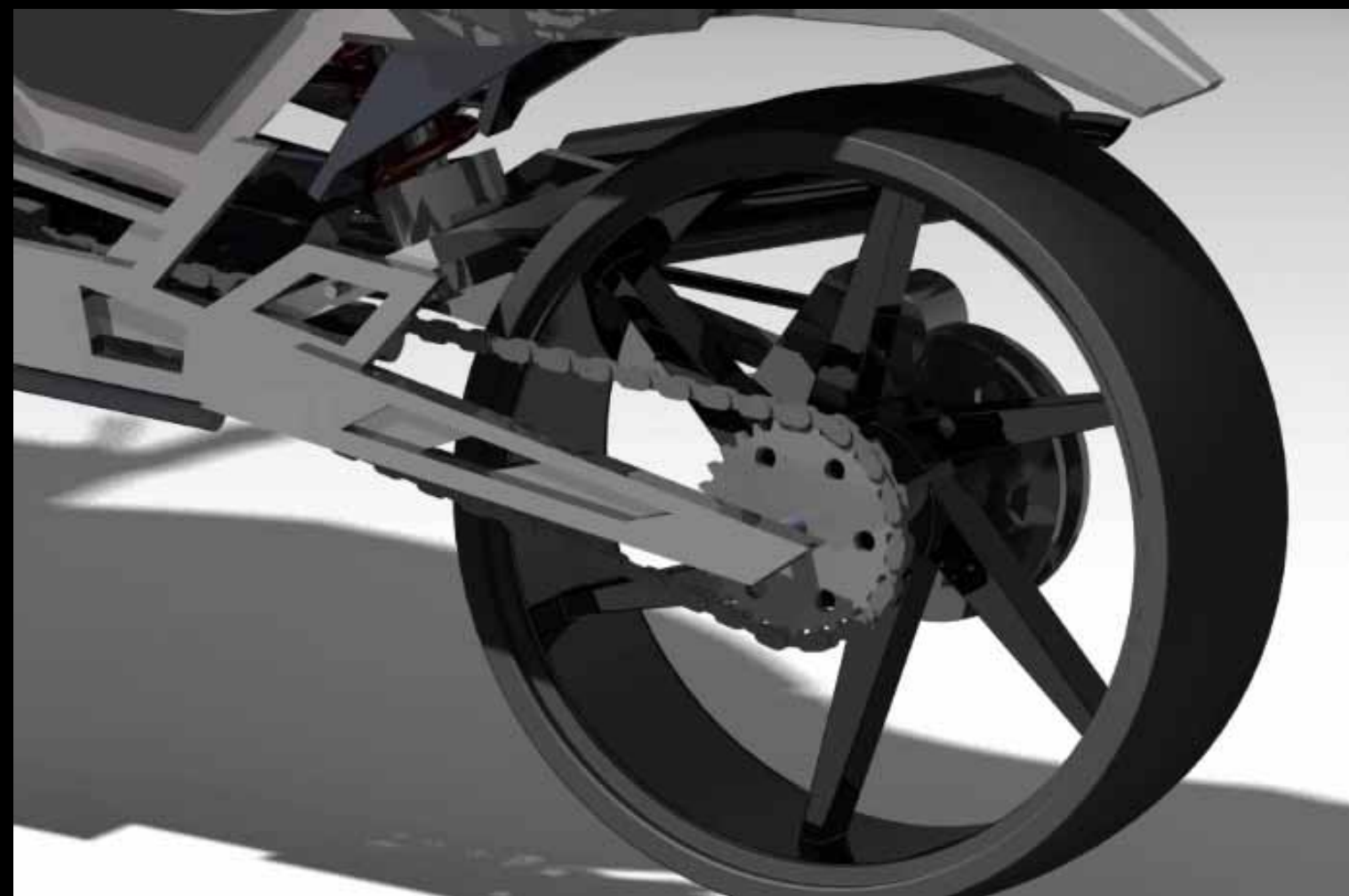
Students of DAuto CAD School during the period of Software Training on UG NX.

For more info. 18001234011 E-mail us at: training@dauto.co.in

STUDENT'S CORNER



News from DAuto Family



This Sports Bike has been prepared and envisioned by Nimish Sony (JEC, Bhopal) 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.

For more info. 18001234011 E-mail us at: training@dauto.co.in

CONNECT
THROUGH



visit us at www.dauto.co.in

Thanks for reading.