



2014

APRIL
EDITION

DAuto NEWS LETTER

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

Land Rover Discovery Vision Concept

Land Rover has revealed the Discovery Vision Concept, a study of a seven seater leisure SUV that anticipates the next generation Discovery and previews innovative solutions.



The large 23-inch wheels contribute and the reduced overhangs contribute to the solid stance and a “compact look” that minimizes the size perception.

The Discovery Vision Concept features a dynamic, new design language that steers away from the sharp-edged shapes of the Evoque, adopting softer surfaces which combined with the flush, minimal cutlines, lend a clean and modern look while maintaining the brand’s DNA.

Land Rover Discovery Vision Concept

Among the distinctive elements are the sleek headlights and the aerodynamic wing mirrors with embedded cameras, while a number of details derive from the Discovery's identity. Among these are the body coloured C-pillar, the stepped roof flowing into the alpine lights and the distinctive asymmetrical graphic element on the rear number plate.

The trademark split tailgate has evolved into a highly flexible new tailgate design incorporating a social seat system in the vehicle's loadspace area. The gesture-controlled, electrically powered, single-piece tailgate is paired with an event platform, which electrically deploys from within the rear bumper.



just above the rear under shield. The interior features a versatile seven-seat arrangement that can be reconfigured automatically via the touch screen panel.

David Brown Automotive REVEALS THE SPEEDBACK GT



The handcrafted luxury sports car, named Speedback GT, has been unveiled in the past days at a media event in London. The Speedback GT is designed, engineered and hand-crafted in Britain.



The car was styled under the direction of Head of Design Alan Mobberley, who has previously worked for Tata Motors and Jaguar Land Rover. "The Speedback name perfectly reflects the classic sports car tradition of the past, whilst also doing justice to the sophisticated silhouette of the car's hand-built body and unique styling which features amongst much other detail, a fold-down picnic seat."



BMW CS Vintage Concept

BMW CS Vintage project, David Obendorfer took inspiration from the 1968 BMW E9 series designed by Giovanni Michelotti and the previous model, the 1965 BMW 2000 CS (E120 series).



Based on the platform of the 6 Series, the CS Vintage Concept combines a modern surface treatment with a number of trademark BMW styling cues. In addition to the already mentioned arrow-shaped hood and twin headlights, the profile features the typical silhouette with the cabin slightly pushed back, the Hofmeister kink on the side windows and the flanks defined by horizontal character lines.

Among the distinctive design elements is the front layout, with the kidney grille separated from the headlight fascia, which is visually matched by a horizontal air intake at the bottom. The clean surface treatment and the prevalence of horizontal lines give the CS Vintage Concept a rétro look that has its roots in the brand's recent history.

Arrinera Hussarya: FINAL DESIGN REVEALED

Polish company Arrinera has revealed new renderings of its Hussarya supercar, showcasing the finalized exterior design.

Power comes from a 8-cylinder 6.2-litre engine with a maximum power of 650HP and 820 Nm torque – the same that equips the Corvette ZR1 – delivering 650 hp and 820 Nm of torque, coupled with a gearbox produced by Italian Cima . The body, interior and floor can be made of Carbon/Kevlar fiber composite materials as an option.

The prototype will showcase an exclusive paint color – still to be decided – to be developed by technical partner PPG specifically for the car.



Volkswagen previews Midsize Coupé Concept

Volkswagen has released a set of design sketches that preview a midsize four-door coupé concept car. The new show car has distinctive proportions, with low height (1,422 mm), a wide stance (1,838 mm) and a relatively limited length (4,596 mm), which makes it shorter than both the Passat and the Jetta.



The Concept is powered by a 220 hp four-cylinder TSI engine, that allows it to sprint from 0 to 62 mph in 6.5 seconds, with a top speed of 152 mph.

The exterior features a low visual center of gravity, short overhangs, muscular shoulders and side sections, a dynamic roof line with markedly swept-back C-pillars, a short trunk lid and long hood, while the sporty look is enhanced by the 20-inch wheels with 245/40 tires.

The PES Dispenser: A Yamaha eBike

Yamaha showed off a bevy of concepts, including a few e-motorcycles. There was a scooter and an electric motocrosser, but what was really eye-catching was the svelte, futuristic PES1 concept.



Both models (the motocrosser and the PES1 street) share a common engine and use a removable battery pack called a Yamaha Smart Power Module. Since the PES1 (that stands for "Passion Electric Street" if you're wondering, as opposed to "Passion Electric Dirt" for the PED1) weighs under 223 pounds (at least, in its concept phase), with current battery technology we'd expect very limited range. The chassis and drive unit must weigh at least half the claimed 100 kilogram curb weight—and you'd need about 150 pounds of battery to see 50-70 miles of 65 mph travel by my very rough and not fully informed estimates.

PSD

"Passion Electric Dirt"

PES

"Passion Electric Street"



Volvo unveils inflatable child seat concept

Volvo has developed a rearward-facing child seat concept that inflates in less than 40 seconds and features an innovative pump system, advanced materials and a Bluetooth connection.

The seat has an innovative pump system that is silent and efficient in its construction. The seat inflates in less than 40 seconds and deflates with an integrated pump. The total weight of the seat less than 5 kg, half the weight of a conventional seat, and it is constantly online via Bluetooth enabling a wide range of features, including remote controlled inflation.



Have a Secure Night Drive with the Hands-Off Doze Control

The Traffic world has become more vulnerable to the accidents that too the accidents are more in the night time as most of the drivers feel sleepier while driving. Some drivers would totally leave their control when they keep on driving for hours together. To avert this problem and to safeguard the driver from the hazards of such accidents the Volkswagen Company has given birth to a new technology called the Hands-off Doze Control. This component of the car monitors the activity of the driver regularly. If suppose the driver steers the car in an abnormal way this control system automatically suspends the control of the driver and the car self drives itself.



Smart Rear-View Mirror Sees Through The Stuff Piled In Your Back Seat



A rear-view mirror is only useful if you can see out of the back of your car -- something, it happens, that's gotten increasingly difficult to do. We pack the trunks of our SUVs and hatch-backs to the ceiling with boxes and bags, or pile kids and pets into the backseat. Sometimes even the car itself is the culprit: As rooflines in coupes and sedans slope more aggressively downward, rear windshields are being overtaken by massive blindspots.

So, Nissan's doing something about it. At the New York Auto Show this weekend, the company is demoing its Smart Rear-View Mirror system. The setup, which is still in a prototype stage, is installed on a Nissan Rogue SUV. In the car, what looks like a standard rear-view mirror has two functions: a mirror and an LCD display. When her view is blocked, a driver can toggle to a live feed from a wide-angle camera on the rear of the car.

LTE Will Let Your Car's Computer Update Like Your Smartphone



Carmakers seem to want to shout one simple phrase when they talk about adding high-speed 4G LTE radios into their cars: "Apps! We have apps now, too!"

you can have apps now, too. But that's not the half of it. Streaming Pandora and getting live weather reports is great and all, but let's be honest, we could already do that by connecting our smartphones to the console over Bluetooth (or plugging them in, a la Apple's new Carplay setup). What makes a high-speed cellular connection really interesting is one simple idea: It could let you update the computer in your car quickly and easily. production-ready solutions.

Cadillac logo meaning



Cadillac is a luxury car brand owned by General Motors. One of the oldest marques in the world, it was founded in 1902 by automotive inventor Henry Martyn Leland and was acquired by General Motors in 1909. The marque is named after Leland's ancestor whose full name was Antoine Laumet de La Mothe, sieur de Cadillac. The Cadillac logo consists of Le Sieur Antoine De La Mothe Cadillac's family coat of arms. The top section of the emblem contains a crown which depicts the six ancient counts of France. Above every tip, a pearl is placed which graphically represents descendancy from the royal counts of Toulouse – a cultural center of medieval Europe. The Cadillac logo has undergone several modifications over the years. Nonetheless, it remains one of the most famous and emorable car logos ever created. The current version, "Wreath & Crest", was unveiled in 1999.

STUDENT'S CORNER



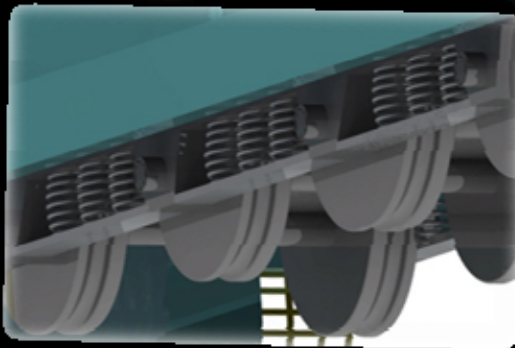
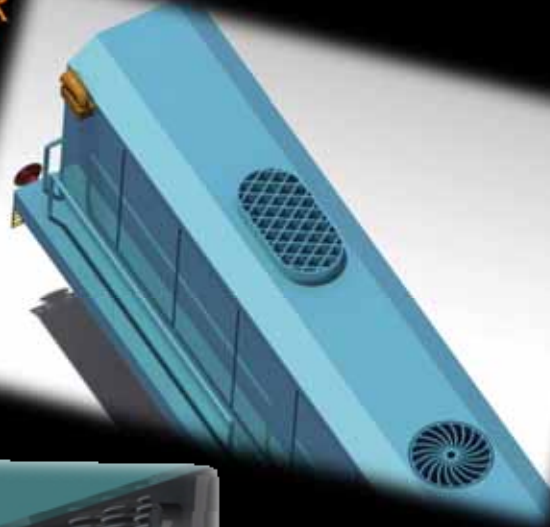
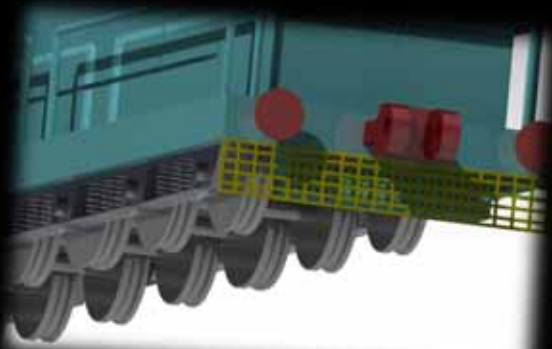
Sports Bike
Manish
Dongardiya
(TIT-E Bhopal)
Design Tool:
CATIA V5

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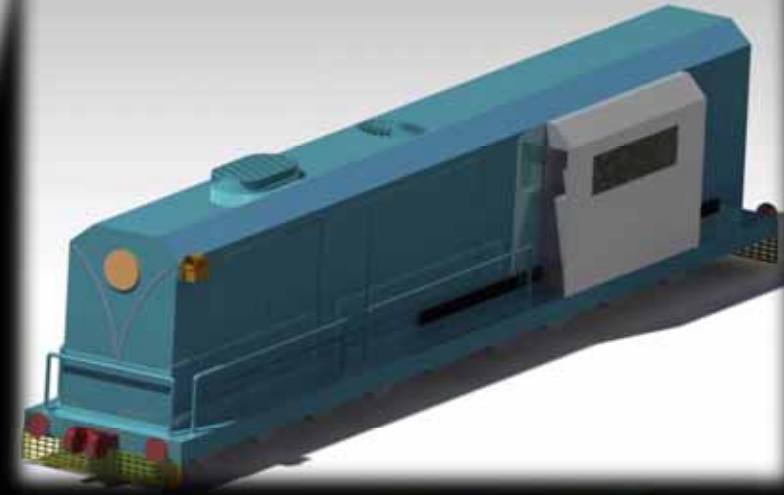


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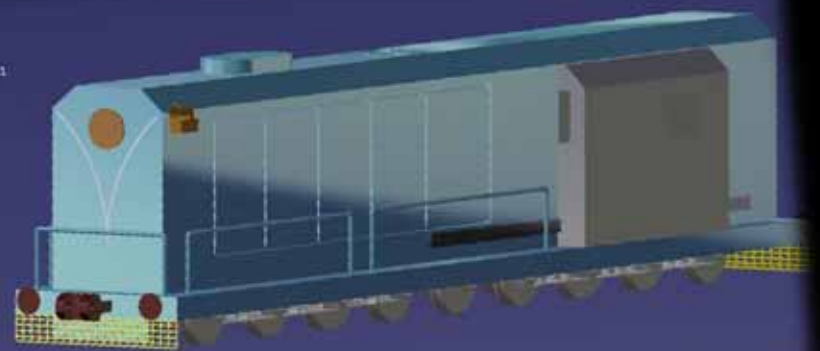
STUDENT'S CORNER



News from DAuto Family



World
xy plane
yz plane
xz plane
Geometrical Set.1
PartBody
Body.2
Body.3
Body.4
Body.7
Body.8
Body.9
Body.10
Body.11
Body.12
Body.13



This Racing Car and imagined contrive have been prepared and envisioned by Pushpraj Singh (GRKIST, Jabalpur) 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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