

2015

DAuto Newsletter

MARCH EDITION

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



Ital design Giugiaro GEA Concept envisions the future of luxury autonomous cars

With the GEA Concept revealed at the Geneva Show, Italdesign shows its vision for a luxury, autonomous vehicle, shifting the focus to the rear passengers and offering three operating modes: business, wellness and dream.



Designed and built at the Italdesign Giugiaro headquarters in Moncalieri, the GEA concept is based on the "Piloted Driving" technology and is characterized by generous proportions – it is 5.37 meters long, 1.98 m wide and 1.46 meters high, while the wheelbase is 3.33 meters long. The powertrain features four electric motors fitted on the differentials, developing a total of 570 k, enabling a top speed of 250 km/h.

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The proportions are balanced by the long wheelbase and by the 26" wheels, fitted with 295/25 R 26 tires, and milled from a solid block of aluminum in a pattern with 60

spokes. When the car is operated in driverless mode, the side windows are polarized and tinted to match the car body, painted Obsidian Blue, achieved with three coats applied between the fine pearl black and deep xirallic blue. A slim chrome molding surrounds the glass surfaces, while a second chrome element runs along the perimeter of the car body, enhancing the front bumper, door sills and the rear bumper.



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The book-type doors, to the absence of a B-pillar and to the virtual red carpet projected onto the ground by the LED inserted in the door sill, passengers gain easy access to the inside of the GEA's lounge. The GEA Concept offers three different operating modes.

- **Business mode**
- **Wellness mode**
- **Dream mode**



Phantom Serenity one-off shows Rolls-Royce Bespoke potential

Serenity is a one-off Phantom Extended Wheelbase featuring a highly crafted modern interpretation of a Japanese Garden, with hand-painted and hand-embroidered raw silk interior trims. The rear cabin has been created out of hand-painted and hand-embroidered raw silk, depicting an interpretation of a Japanese tree which wraps around the interior of



Designed specifically for the rear occupants, the highly ornate blossom and petal pattern runs throughout the car, with the emphasis on the opulent headliner.

McLaren 675LT

Compared to the "standard" 650S a third of the components has changed: this allowed to achieve 100kg in weight savings, for a total dry weight of just 1,230kg and a power-to-weight ratio of 549PS per ton.

McLaren

Offered as a Coupé only, the 675LT is powered by the 3.8 liter V8 Twin Turbo delivering 675 PS – hence the name – and will be the most track-focused, yet road legal, model in the McLaren Super Series. The sprint from 0-100 km/h (0-62 mph) takes just 2.9 seconds, with controlled torque delivery ensuring optimized traction off the line. The 200 km/h barrier is broken in 7.9 seconds, and the top speed is 330 km/h (205 mph).



McLaren 675LT

The exterior look features an extended carbon fiber front splitter, an extended door blade, additional cooling intake, and circular twin titanium exhaust pipes.



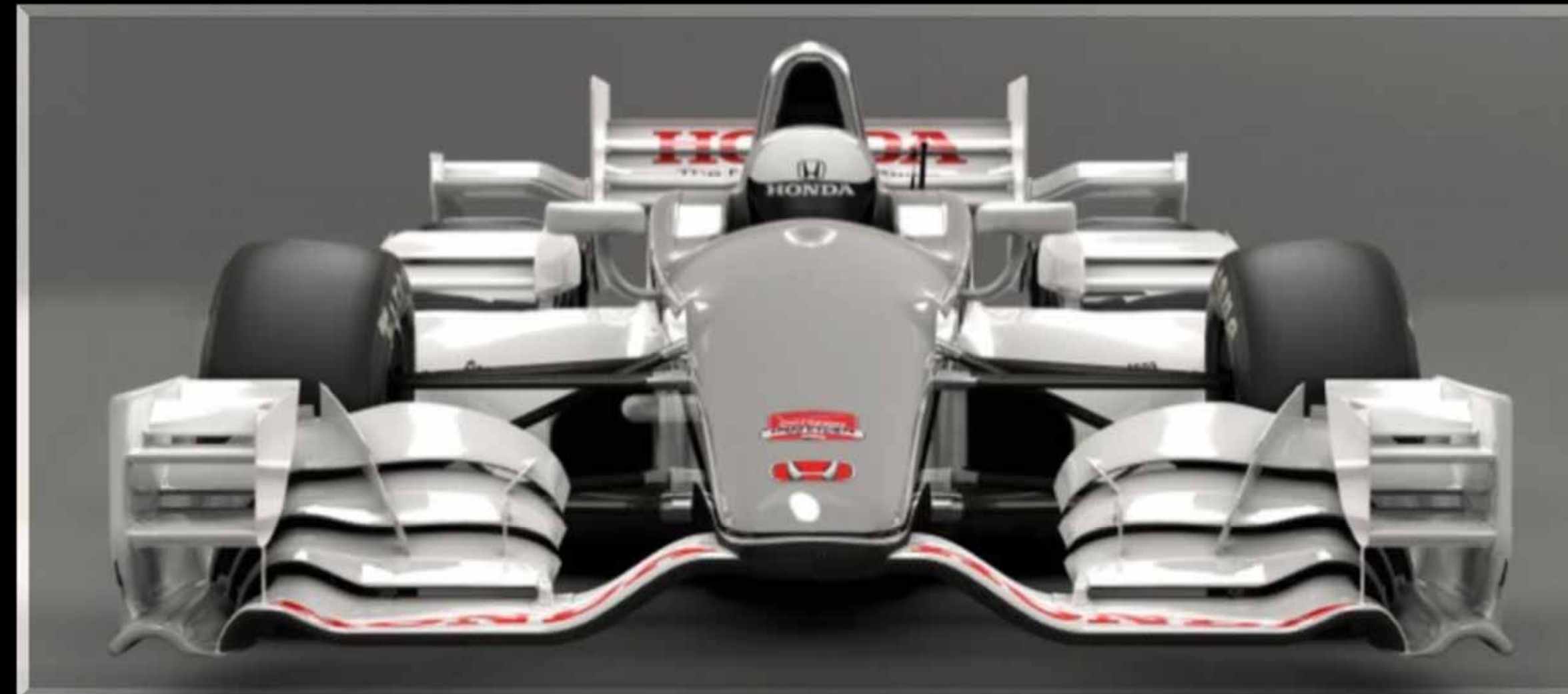
The active 'Long tail' Airbrake is 50 percent bigger than the one fitted to the 650S yet, due to its carbon fiber structure, is actually lighter.



The 675LT is offered in five 'By McLaren' hero specifications, which includes four bespoke colours never previously offered: Silica White, Delta Red, Napier Green and Chicane Grey. The famous heritage McLaren Orange completes the themes unique to the model. The driver-focused cabin of the 675LT gives features ultra lightweight carbon fiber-shelled bucket seats, upholstered in Alcantara. The air conditioning controls are now incorporated within the touchscreen infotainment system.

Honda unveil s extreme-l ooking Indy Car Series aero kits

The Honda Indy car aero kits were developed by utilizing the latest in Computer-Aided Design (CAD) and Computational Fluid Dynamics (CFD) technology.



The extreme-looking kit, produced by Honda Performance Development, Honda's racing arm in North America, consists of 200 carbon-fiber pieces that can be fitted to the existing Honda-powered Dallara Indy car chassis, allowing teams to customize the configuration depending on the specific circuits, driving styles and track conditions.

SEAT 20V20 Concept



The 20V20 signals how SEAT is evolving and developing its design DNA, and many of the details incorporated in the SUV concept will be used on the upcoming production models. The SEAT 20V20 (meaning "vision veinte veinte", Spanish for 20:20)

Aston Martin Lagonda Taraf to be sold outside Middle East

Aston Martin has confirmed that the new Lagonda, presented in late 2014, will be also available to a limited number of customers around the world.



The Lagonda Taraf, set to be built in just 200 units, will be offered to clients – via Aston Martin's VIP sales programme – in EU legislation-compliant Continental Europe, the United Kingdom and South Africa, and has been re-engineered to be available in either left or right-hand drive.

Aston Martin DBX Concept



Designed by the design team at the brand's global headquarters in Gaydon, Warwickshire, the DBX Concept introduces an evolution in the company's design DNA, with the goal of attracting new potential customers around the world. The exterior is characterized by distinctive proportions that blend the typical coupé silhouette with a raised ground clearance that underlines the all-wheel drive transmission. The front and rear end look stay true to the brand's tradition thanks to the trademark front grille and the C-shaped tail light design, which help instantly identify the DBX as an Aston Martin.

Aston Martin DBX Concept

The graphic look is defined by the contrast between the highly reflective Black Pearl Chromium paint finish – created to mimic the look of a black pearl – and the metal trims, machined from billet aluminium with visible milling lines.



The interior adopts a number of non-automotive standard materials, and is characterized by the contrast between the velvet-like Nubuck leather and the hi-tech equipment. The exposed leather reveals a sandwiched accent layer, inspired by high-end furniture, while the car's interior bright ware matches that of the exterior with the addition of a gold 'pin striping' element on the edging. Among the innovative solutions are the toughened glass with an auto-dimming 'smart glass' inter-layer, and the driver and passenger head-up displays.



About DODGE

The image shows the Dodge logo in white uppercase letters on a dark background. The word "DODGE" is followed by two red diagonal stripes.

DODGE:

The current version of the Dodge logo features the company's name in uppercase characters with a pair of red stripes. These stripes are intended to symbolize racing, high-performance, speed and agility; while advancing an ideal of "forever young" attitude of the brand. The silver colors stands for purity, dignity, sophistication and grandeur of Dodge, whereas the red color depicts passion, energy, intimacy and excitement.

STUDENT'S CORNER



News from DAuto Family



This Design had been created and Presented by Santosh Meena (SIRT-S, 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.

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STUDENT'S CORNER

News from DAuto Family



This Tractor has been prepared and envisioned by Abhishek Gautam (JNCT, Rewa) students of DAuto CAD School during the period of Software Training on CATIA V5.

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