

# 2016

## DAuto Newsletter

MAY EDITION



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

## PININFARINA AND MAHINDRA REVEAL CONCEPT DESIGNS FOR FORMULA E RACING CAR

Mahindra Racing and Pininfarina have unveiled three concept designs for a future Formula E racing car.

The release of these images follows the recent announcement that starting from season five onwards, all the competing vehicles in the Formula E championship will be based on the same chassis in order to reduce costs. The powertrain and software will be open to development by individual manufacturers.

The renders showcase radical, aerodynamic-driven designs, with a closed cockpit and original wing configurations.

The resulting futuristic look is not too far from the concept recently presented by Daniel Simon for the Rob race series.

Pininfarina joined the Mahindra Group in December 2015, signing an investment agreement with Tech Mahindra.



## McLAREN ANNOUNCES DESIGN TOUR EVENTS IN EUROPE

McLaren Automotive is organizing a series of events held at a number of its European retailers. Invited guest will be offered an insight into the activities of the company's design studio.

Celebrating the McLaren 570S Coupé being awarded Best of the Best at Red Dot Awards: Product Design 2016, the McLaren Design Tour commences on Tuesday, 3 May at McLaren Paris with an exclusive program hosted by the design team.

Attendance to the McLaren Design Tour is by invitation only and the following McLaren Design Nights have been confirmed thus far:

- 3 May 2016: McLaren Paris
- 20 May 2016: McLaren Dusseldorf
- 26 May 2016: McLaren Zurich
- 16 June 2016: McLaren Monaco
- 2 July 2016: McLaren Frankfurt, McLaren Stuttgart and McLaren Zurich

The inaugural event will take place at McLaren Paris operated by Neubauer Distributeur Luxe – McLaren Paris – 9 bis, Boulevard Gouvion St Cyt – Paris 75017.

The invited guests will be provided with an insight into the McLaren design philosophy and taken through a series of workshops covering various design aspects such as concept sketching or clay modeling.

The exclusive program will also include viewing opportunities of McLaren models, including the recently-launched McLaren 570S Coupé from the Sports Series.



## ASTON MARTIN SHOWS POWERBOAT DESIGN AT MILAN DESIGN WEEK

At the Milan Design Week Aston Martin and Netherlands-based Quintessence Yachts have presented the upcoming AM37 powerboat.

First announced in 2015, the AM37 project aims at blending the Aston Martin Design DNA with an innovative maritime concept that challenges the status quo of the nautical world.

Mulder Design provided the framework of the design to Aston Martin and then ensured that style changes made in the UK complemented the performance.

The AM37 is the first powerboat to carry the Aston Martin's name and was developed under the supervision and technical support of Mulder Design, the renowned naval architect based in the Netherlands.

One of the unique features of the AM37 is the **sliding deck technology**: it consists of three carbon panels that allow to completely cover the cockpit when not in use, to protect it from weather and uninvited guests.



## ASTON MARTIN SHOWS POWERBOAT DESIGN AT MILAN DESIGN WEEK



Navigation, control monitor and entertainment systems are all integrated, with advanced multimedia functions and interactive voice control.



The panels are operated by the electronic command of the AM37 key, and fold under the aft deck when uncovering the cockpit. Once the cockpit is open, the aft deck can slide back to allow for easy boarding or better use of the slide-out swim platform and ladder.

It can open up completely to give access to the engine room, storage compartments, and the automated full carbon bimini top. The AM37 also offers remote controlled devices for starting the air conditioning, the fridge and the coffee machine while still at home or driving to the marina.

The user interface of the multimedia and entertainment system is installed in a 15€<sup>2</sup> touch screen on the dashboard, which the guests can also use. Owners have their own cluster with a dedicated display for monitoring engine status and navigation.

## VANQUISH ZAGATO CONCEPT

At the 2016 Concorso d'Eleganza Villa d'Este Aston Martin and Zagato will unveil the Vanquish Zagato Concept, a one-off developed jointly by the carmaker's design team and the Italian studio.

The Vanquish Zagato Concept is the fifth car resulting from the collaboration between Aston Martin and Zagato, from the iconic DB4 GT Zagato of 1960 through to the V12 Vantage Zagato of 2011.



Developed and engineered at Aston Martin's headquarters in Gaydon, England the concept features the trademark Aston Martin proportions with a forward-looking stance.



The Vanquish Zagato Concept was designed in close collaboration between the Aston Martin Design team led by Marek Reichman and Andrea Zagato and his dedicated design team in Milan.

The new bodywork is entirely made of a carbon fiber, with the split lines on the body reduced by the use of large one-piece panels.

The distinctive rear end features round tail light reflectors that evoke the classic rear view of a Zagato design, incorporating the same 'bladed' LED technology as the Aston Martin Vulcan.

## VANQUISH ZAGATO CONCEPT



Referencing elements of the brand's contemporary design language, Vanquish Zagato Concept features One-77 inspired wing mirrors and a sculptural rear end similar to DB11's aerodynamic profile, complete with retractable spoiler and rear hatch for access to the luggage compartment.

The concept's normally aspirated V12 engine has been updated to 600 PS, along with enhanced driving dynamics.

Inside, Herringbone carbon fibre is paired with shadow and anodized bronze and aniline leather to give the fascia, vents and rotary dials a rich material quality.

A quad-exhaust nestles in the rippling carbon fibre sills that run around the lower body, creating a pronounced line from front to rear.



A sharp crease on the rear wheel arch transforms into the rear flanks, where it meets the cascading roofline.

The Vanquish Zagato Concept's glasshouse wraps around the bodywork like a visor, a while a new evolution of the classic side strake runs from wheel arch to door just like the new DB11 and a detail originally showcased on the celebratory CC-100.

## BMW 2002 Hommage Concept

At this year's Concorso d'Eleganza Villa d'Este BMW has presented the 2002 Hommage, a concept that pays tribute to the iconic 2002 turbo, reinterpreting the design with a distinctive exterior treatment.

The design of the 2002 Hommage Concept combines elements inspired by the original 2002 turbo with a bold, distinctive surface treatment that blends the current design DNA with some new elements.



While some of the exterior elements recall details present on the i8, the bold cutlines defining the air openings, and some of the angular edges – especially in the front and rear fender area – bring something new to BMW's current styling and could anticipate some trends for the company's next sporty models.



*"The eye-catching design of the BMW 2002 Hommage employs a very dynamic, striking use of forms for its own take on what is, for me, one of the most iconic vehicles in BMW history,"* says **Karim Habib**, Head of Design BMW Automobiles.



The horizontal carbon band that wraps itself around the shoulder-line of the concept and splits the body visually into separate sections takes inspiration from the signature chrome strip featured in the 2002 turbo.



## BMW 2002 HOMMAGE CONCEPT

The upper area of roof, hood and trunk lid have matt paintwork to prevent reflection of the sun's rays another reference to the motorsport heritage.

A particularly striking feature of the car's flanks are the voluminously moulded wheel arches, which frame the body like four brackets and add stature.

The front end of the BMW 2002 Hommage is a confident and extravagantly dynamic affair; its styling bridges a gap of 50 years in combining the characteristic, horizontal graphic of the 02 range with modern elements of BMW design.

The rear-end design of the BMW 2002 Hommage also includes several reminiscences of the 2002 turbo. For example, the horizontal sub-division of the car's generous surfaces and its clear lines make a width-emphasising and thus suitably dynamic statement, laced with modern feel.

The glass covers have a contemporary black-panel look and only offer a view of the inner workings when the lights illuminate.

When they are dormant is an unbroken black surface. As at the front of the car, this strengthens the impression of a strip wrapped around the car. The BMW logo to the right of the license plate between the two rear lights is likewise a characteristic element of 02 rear styling.



## DANIEL SIMON DESIGNS ROBORACE AUTONOMOUS RACE CARS

The renown concept and vehicle designer has been named chief designer by Roborace, the driverless electric racing car championship that will take place during the 2016/2017 Formula E season.

The first images revealed showcase a futuristic concept that incorporates **Daniel Simon's** a trademark design DNA: clean, precise surfacing and iconic geometries combined with sleek proportions and a meticulous attention to details, which brings his a 3D renders to life.

The racing vehicles have a wheelbase of 2,800mm and feature an aerodynamic body a consisting of a central rocket-shaped volume sitting on a main floor element and connected with the fenders in the front and rear wheels area.

As Daniel explained on his a Facebook page, *"the goal is to create a highly entertaining venue for the unstoppable rise of autonomous technology."*

*Our design attempts to blend optimized aero, cooling, packaging and best performance with clean, iconic looks. We all don't know how the future of racing will look like, so I am excited to be part of that exciting and inevitable exploration."*

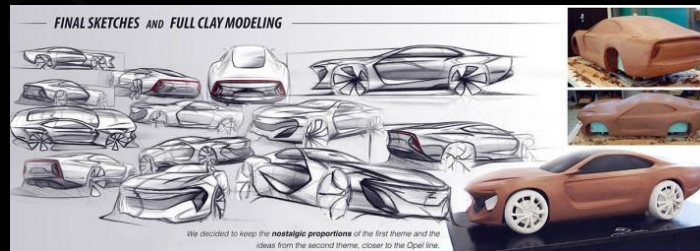


*"My goal was to create a vehicle that takes full advantage of the unusual opportunities of having no driver without ever compromising on beauty. Racing engineers and aerodynamicists have worked with me from the beginning to strike that balance."*

## FRENCH DESIGNERS ENVISION THE OPEL MANTA OF THE FUTURE

The Opel Manta Concept is a modern reinterpretation of the iconic European muscle cars. It was created by a team of ISD design students led by Valentin Fuchs and Marius Torterat.

The Opel Manta project was carried out by developing two different themes: a first one, more nostalgic, involving the creation of a retro-inspired Manta; and a second one, envisioning a possible design for the year 2035 that would evolve Opel's current styling DNA and language.



The first, retro-inspired theme led to the creation of a modern muscle car with a three box layout and proportions strongly influenced by the original Manta.

The second theme, dubbed Presage, uses more original, distinctive proportions, combined with a sculptural, organic surface treatment.

The interior features a multi-layered design inspired by muscles.



## FRENCH DESIGNERS ENVISION THE OPEL MANTA OF THE FUTURE



In particular, the exterior is strongly characterized by the front and rear lighting signature featuring C-shaped LED strips, and the deeply recessed front grille.

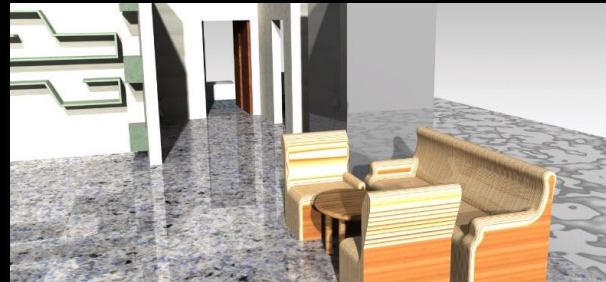
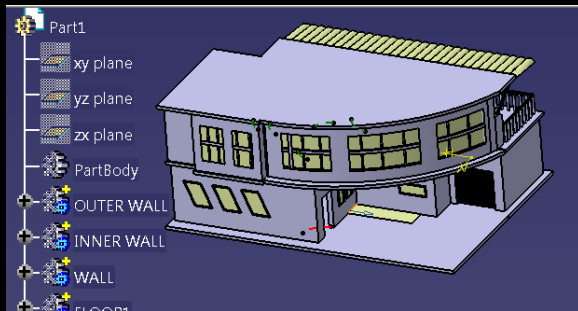
For the **final design direction**, **Valentin Fuchs** and **Marius Torterat** decided to combine the classic proportions of the first theme – including the three-box body and elongated tail – with the bold design treatment and graphic themes of the second one.

The interior combines elements with an industrial look and material, with sleek, futuristic shapes.

The interior of the concept features a harsh industrial look, with brushed metal and chrome trim, dark leather upholstery and vintage style switches and instrumentation.

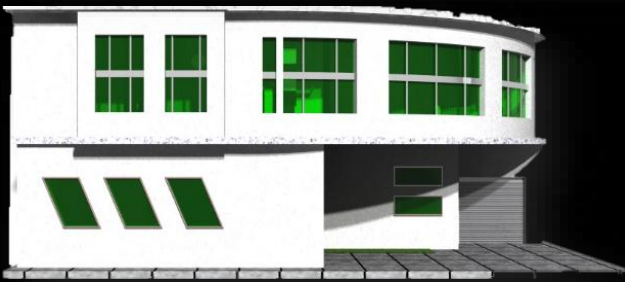
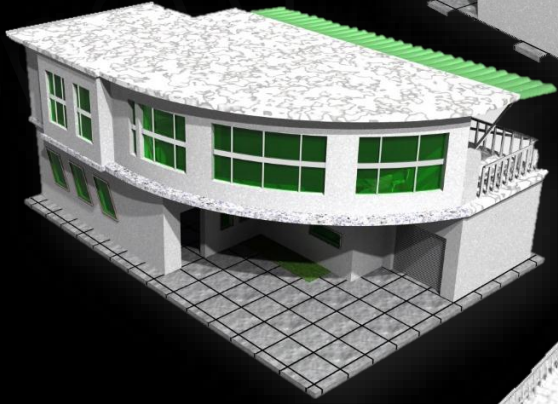
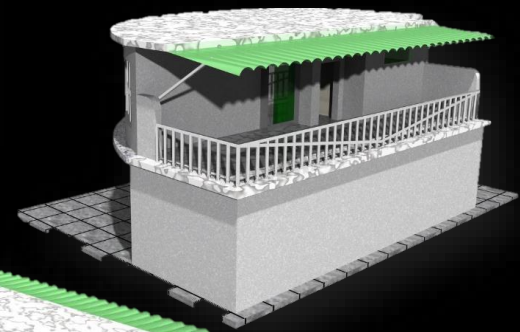


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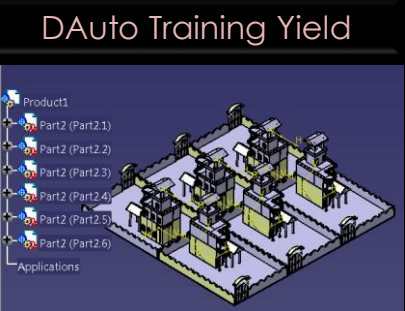
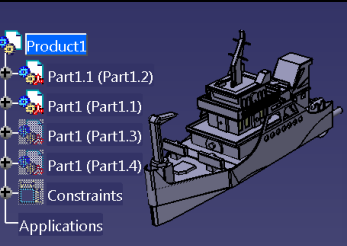


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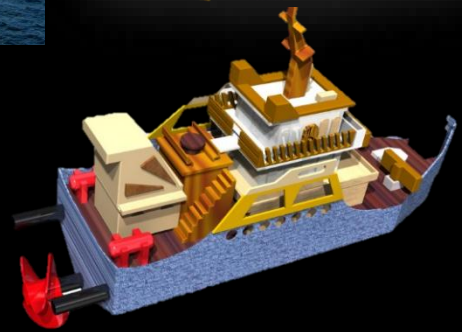
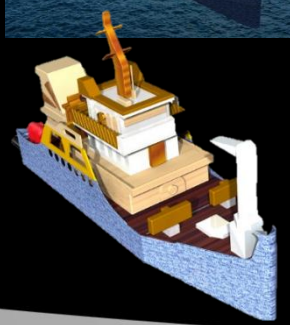
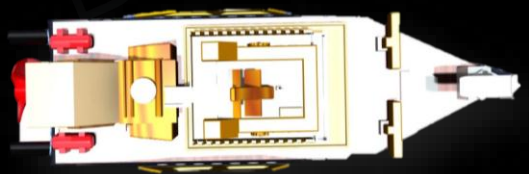
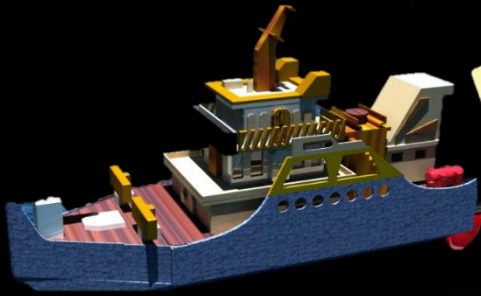


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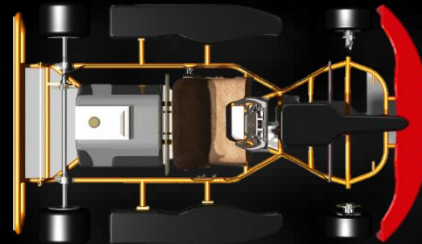
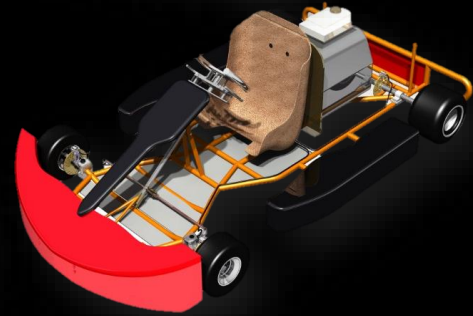
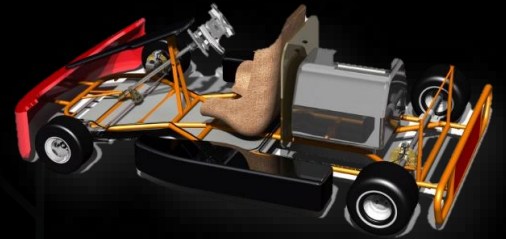
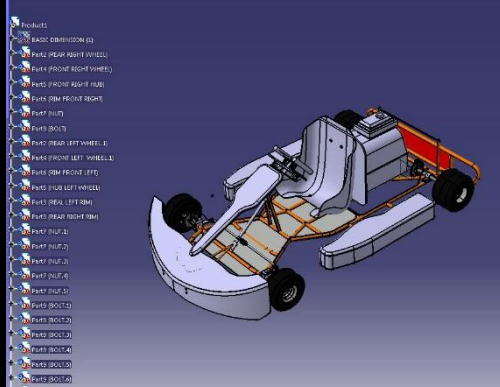
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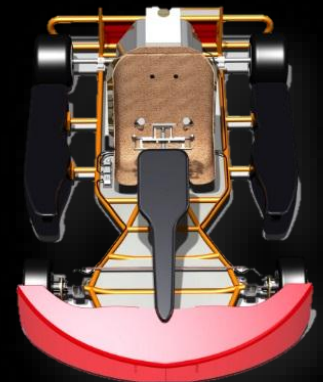
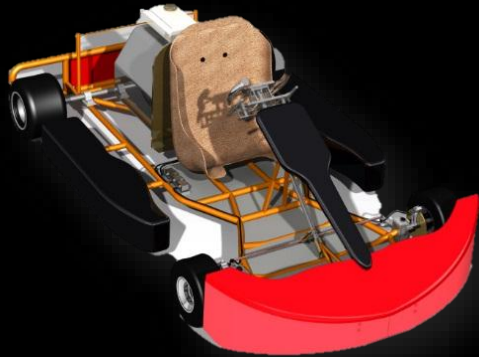


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