



Automotive IQ

JANUARY TOP FIVE

WHICH CONTENT CAUGHT THE ATTENTION OF 45.000 AUTOMOTIVE IQ MEMBERS?

CHECK OUT THE TOP 5 CONTENT PIECES FOR JANUARY 2018!



#01

WHAT CHALLENGES DOES AUTONOMOUS DRIVING POSE TO ISO 26262 PART II?

Although rudimentary experiments on self-driving cars were already being carried out in the 1920s, the first self-sufficient and truly autonomous cars only made an appearance in the 1980s; with Carnegie Mellon University's Navlab, ALVs venture and Mercedes-Benz and Bundeswehr University's Eureka Prometheus Project in 1987.

Read the article!



#02

WHO STOLE MY COMPANY? THE COMING DISINTERMEDIATION OF AUTOMOTIVE IN NEW MOBILITY

ight now there is a race for OEMs to prepare for New Mobility, with Autonomous vehicle development, key alliances instituted and an exploration of what post ownership at a retail level might look like. OEMs have huge legacy infrastructure tied up with their dealer networks, which is likely to become a huge burden. The current huge model proliferation will likely reduce significantly as people are much less likely to care what their transportation looks like in New Mobility..

Read the article!



#03

ELECTRIC VEHICLE HEATING AND COOLING

The operation of HVAC systems in PEVs or any fully electric vehicle poses many of the same problems that running other systems face, but HVAC use poses some unique challenges, too. In climates where electric cars are or will be a major part of the transportation load from now on, consumers demand efficient and powerful heating and cooling in their vehicles.
To help system improvements now underway in fully electric vehicles, engineers had to move away from the vehicle's ability to use the large amount of excess heat produced by internal combustion engines. Regulating the temperature in any battery vehicle is a delicate venture since the power source degrades by calculable amounts under regular use, but by irregular amounts under the most stressful conditions.

Read the article!

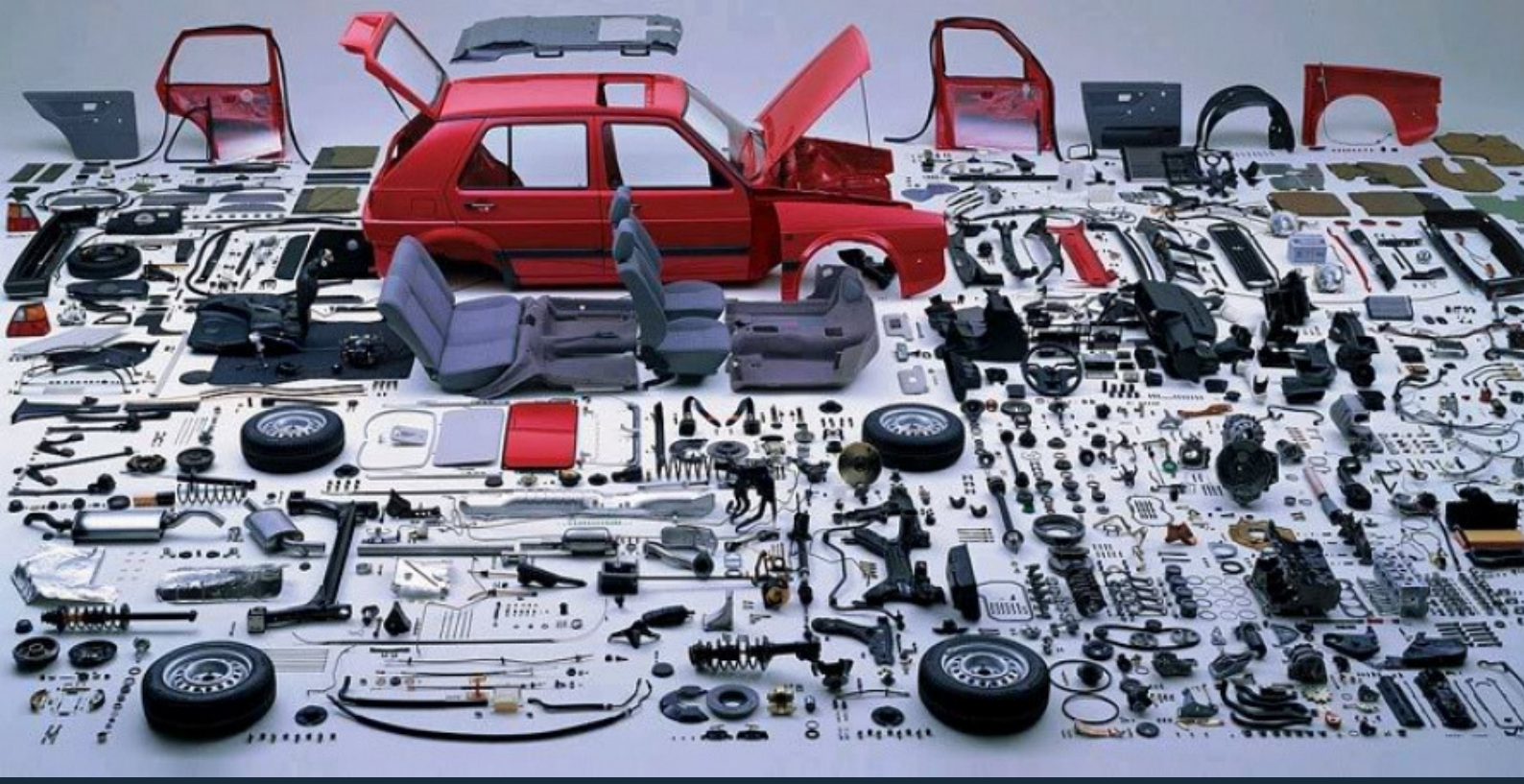


#04

THERMAL MANAGEMENT OF HIGH VOLTAGE E-DRIVES

As we move towards fully autonomous driving, considerations of the interface between the human and the machine becomes increasingly important, as millions of lines of software determines the controlling and displaying of the cars. Automotive IQ presents this free 50-page eBook focusing on Automotive HMI, giving you a plethora of information in the form of articles, interviews and industry insights.

Read the article!



#05

HOW GM IS PIONEERING EV & AUTONOMOUS MANUFACTURING: A STORY OF SCALE

In 2009, just as the dark clouds of the 07-08 financial crisis began to clear, the General Motors Corporation filed for bankruptcy. Huge losses had resulted from a series of missteps, alongside the crash in demand caused by the global economic crisis. Today, reborn as the General Motors Company, GM has demonstrated that Lazarus can indeed rise from the flames – with a little help from a government bailout totalling nearly $50bn.

Read the article!

INTRODUCING AUTOMOTIVE IQ

Automotive IQ is an international online platform focusing on providing automotive industry professionals with a central resource for knowledge on topics such as Powertrain, Electrics/Electronics, Chassis Systems and Car Body & Materials.

Membership is free. By becoming a member you have access to a plethora of industry-relevant information through expert interviews, white papers, our blog, presentations and podcasts. You will also find links to our upcoming automotive conferences focusing on current topics and future trends within the auto industry.

Most importantly, the Automotive IQ is a community. We are dedicated to creating a learning environment for sharing best practices and finding solutions to challenges within the automotive industry.



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