Electrogenic | **Conversion kit for the legendary DeLorean**

Who loved so much Back to the future movie, will smile reading this news.
British company Electrogenic has announced the electric DeLorean conversion kit, explained it like "an exceptional meld of motor and machine". The kit has been designed to retain the same overall weight and the same weight distribution as the original car, but with more than twice the power and torque it gains the sports car performance that its looks demand. The DeLorean was designed as a cool USA cruiser. The Electrogenic drop-in kit makes it a true sports car. The motor, inverter, charger, cooling system and rear battery box bolt into the original engine mounts. A small additional battery pack is fitted in place of the fuel tank, leaving the cavernous luggage space under the hood untouched. The kit details include 42kWh battery pack giving real-world range of 150 miles, CCS rapid charging, 160kW motor delivering 3,200Nm to the wheels, 0-60mph in under 5 seconds, drive profiles, heating, launch control and V2L.

Investments | **Nidec enters in the eVTOL sector**

Nidec Corporation has accomplished a minority investment in Eve Air Mobility, a manufacturer of electric vertical take-off and landing aircraft a 4nd launch partner for Nidec Aerospace's electric propulsion systems, through Nidec's subsidiary, Nidec Motor Corporation. The amount of the investment is $20M USD and it will be allocated to support research & development at Eve as it prepares for the air-worthiness certification of its eVTOL aircraft by the end of 2026. The funds will also help the company finance its operations through 2027. Nidec's investment represents a stake of less than 5% in Eve. This investment also furthers Nidec's plans to enter the infrastructure space in the aviation market to supply products such as chargers for electrified aircraft. Nidec ASI Co. Ltd., a member of the Nidec Group, currently manufactures EV chargers that integrate ultra-fast charging technology with energy management systems (EMS) and energy storage systems (ESS) to provide safe, reliable, and cost effective power across the globe. Nidec aims to use this same technology and product offering to grow in the eVTOL and unmanned aerial vehicle infrastructure markets, where demand for rapid, large capacity charging is critical. «Our future eVTOL customers are in good hands with Nidec from take-off to touch-down. Sustainability and safety are our guiding principles; this is why we selected Nidec electric propulsion system», said Johann Bordais, CEO of Eve Air Mobility.

Tecnomatic and Gruppo Mondial | **Partnership in the name of hairpins**

Tecnomatic has been in the business of designing and manufacturing automatic assembly lines for the automotive industry for 51 years. An international leader in process innovation for automotive electrification, it is developing its new solutions for e-mobility and deepening its partnership with Gruppo Mondial. Maximum focus is placed on electric motors in the area of square wire winding, with the development of patented technologies. One of the main areas of expertise concerns HairPin technology for stators, with flat conductors of higher cross section. «The use of copper rods with a full cross section, an evolution from traditional wires, is a significant advance in this area. It generates higher electromotive current density and greater overall motor efficiency, allowing more motor power to be generated in the same space or, alternatively downsizing, reducing the size of the motor and maintaining the same power. Obviously forming and unwinding such HairPin rods, around the stator structure, is more decidedly complex than traditional wires,» Tecnomatic explains in the press note. «This collaboration over these 15 years has grown hand in hand with the deepening of the technological solutions developed. Following activities not only of product implementation but also of functionality analysis, thus making, on the supply side, a careful selection in order to optimize and make it efficient,» explained Cristiano Ceselli, Area Manager of Gruppo Mondial.