SCAPE TO MARKET

Welcome to the fifth edition of *SCAPE to Market* – a quarterly update on the latest developments in the EV power electronics industry. In this report, we study various trends such as new partnerships between OEMs and semiconductor manufacturers, new technological solutions being released, acquisitions within the power converter world and a new EU law being approved.

Stay alert and make sure your research and innovation matters!

MARKET

- **Onsemi partners up with Volkswagen for scalable system platform,** Semiconductor supplier Onsemi has signed a multi-year deal with Volkswagen Group to be the primary supplier of a complete power box solution as part of its next-generation traction inverter for VW's Scalable Systems Platform (SSP). The solution features silicon carbide-based technologies in an integrated module that can scale across all power levels – from high-power to low-power traction inverters, compatible with all vehicle categories. → **READ MORE**
- **NXP and ZF Collaborate on SiC-Based Traction Inverters** NXP Semiconductors has announced a collaboration with ZF on next-generation SiC-based traction inverter solutions for EVs. By leveraging NXP's advanced GD316x high-voltage isolated gate drivers, the solutions are designed to accelerate the adoption of 800V and SiC power devices. → **READ MORE**
- **GlobelFoundries acquires Tagore Technology's GaN IP portfolio,** expanding GF's power management solutions and differentiated roadmap. The well-established GaN high-power density solution is designed to enhance efficiency and performance in various power applications, including automotive. → **READ MORE**
- **Omron launches high-power PCB relay for EV charger wallboxes and extends its portfolio of DC/DC converters**, the new high-capacity printed circuit board (PCB) relay designed specifically for Mode 3 AC electric vehicle (EV) charging stations installed in AC wallboxes. The G9KC relay offers minimal contact resistance and generates considerably less heat at the load terminal during operation than similar devices. This presents novel prospects for designers and producers of electric vehicle (EV) chargers to develop systems that can facilitate faster and more efficient charging while ensuring greater dependability and longer projected lifespan. The new DC/DC converters provide design flexibility with compact 10 mm by 10 mm footprints → **READ MORE (1) and read more (2)**

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POLICY

- **New EU law approaved to add more EV chargers across Europe,** the new legislation includes specific targets that the EU must meet by the end of 2025 and 2030, including the building of fast-recharging stations of at least 150kW. for cars and vans every 60 km along the EU's main transport corridors - what's known as the trans-European transport (TEN-T) network. The network is considered the EU's main transport corridor. → **READ MORE**

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