

CISSOID and EDAG Group partner to develop SiC traction inverters for electric mobility

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CISSOID and EDAG Group have announced a strategic partnership to expedite the development of next-generation silicon carbide (SiC) traction inverters for electric mobility applications. The partnership aims to combine CISSOID's expertise in SiC power semiconductor modules and control solutions with EDAG's engineering capabilities in electric powertrain design, integration and validation. This will enable the two companies to provide electric mobility original equipment manufacturers and equipment suppliers with comprehensive solutions for developing efficient and reliable SiC-based traction inverters.



Source: Getty/Peera_Sathawirawong

The partnership promises benefits such as the joint development of advanced SiC inverter platforms that are optimized for high efficiency, high-power density and longer operational life. It also includes comprehensive engineering services for inverter system design, thermal management, mechanical integration, and ensuring functional safety and EMC compliance.

Additionally, the collaboration aims to reduce time-to-market by offering ready-to-implement hardware and software solutions along with end-to-end technical support from concept design to vehicle integration. This collaboration represents a substantial advancement in supporting the evolving electric mobility market by providing essential inverter solutions for modern electric vehicles.

Pierre Delatte, chief technology officer of CISSOID, emphasized the partnership's potential to meet the rising demand for high-performance, SiC-based traction inverters, enhancing the efficiency and reliability of EVs. Lennart Bentele, head of Drivetrain & Thermal Development of EDAG, highlighted its commitment to sustainable mobility and how the partnership would enhance its capabilities in power electronics, providing integrated solutions for advanced electric drivetrains.

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