



9am, Monday 20th March 2023 – Orlando, Florida - CISSOID and Silicon Mobility have announced a far-reaching partnership to deliver a complete and modular Silicon Carbide (SiC) inverter reference design supporting electric motor drives up to 350kW/850V. The reference design includes CISSOID's high voltage SiC-based power module, integrated Gate Driver board, Control board with Silicon Mobility's ultra-fast and safe OLEA T222 FPCU, DC and phase current sensors, DC link capacitor and EMI filtering together with integrated liquid cooling. CISSOID will also sell and deliver Silicon Mobility's OLEA[®] APP INVERTER Software for Electric Vehicle Powertrain Control providing the customer with a development platform ready for integration work.

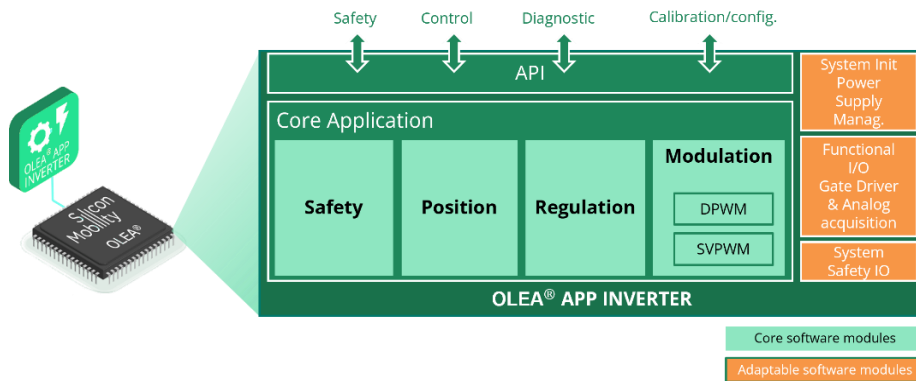
Dave Hutton, CISSOID's CEO commented: "Up until now, customers only really had 2 options. The first was to develop all the hardware, then integrate with third party software into their design environment. This was extremely time consuming and required in depth knowledge of SiC-based power system design. The second option was to buy an off-the-shelf inverter that, however, does not offer the ability to fully customise for the application requirements."

Following this agreement, customers can now buy a complete SiC inverter reference design (Fig 1) from CISSOID together with a licence to use the Silicon Mobility's OLEA[®] APP INVERTER control software and design on top its software application. CISSOID will also provide the technical support to integrate the inverter into the end-application.

Once the design is completed, the customer can choose to purchase the entire inverter Bill-of-Material (BOM) from CISSOID or just the SiC Intelligent Power Module (IPM) and Control Board, while purchasing other components and Inverter housing from their preferred suppliers. The customer can then integrate the inverter into their motor drive system prior moving to production.



Fig 1



David Fresneau, VP Marketing and Business Development at Silicon Mobility added: “This is a great opportunity for our customers to get access to our advanced e-motor control hardware and software platform and a fully

integrated high performance inverter reference design from CISSOID which will significantly simplify the design process and reduce Time-to Market.”

About Cissoid - www.cissoid.com

CISSOID is a leader in Power Semiconductors, delivering multi-phase, high current power switching and motor control systems across a wide range of power requirements. Our solutions range from a system-on-chip to complete SiC and GaN based inverter platforms to support an ever-growing range of e-mobility and high-power applications. Our expertise in extreme high temperature semiconductors and packaging allows us to address the ever-increasing power densities challenges.

Press Contact:

Pierre Delatte

E-mail: pierre.delatte@cissoid.com

Tel.: +32 10 48 92 11

About Silicon Mobility – www.silicon-mobility.com

Silicon Mobility is a full stack technology player powering control solutions for a cleaner, safer and smarter mobility. The company designs, develops, and sells flexible, real-time, safe, and open semiconductor solutions for the automotive industry used to increase energy efficiency and reduce pollutant emissions while keeping passengers safe. Silicon Mobility’s products control electric motors, battery and energy management systems of hybrid and electric vehicles. By using Silicon Mobility’s technologies, manufacturers improve the efficiency, reduce the size, weight, and cost of electric motors, and increase the battery range and durability. Silicon Mobility technologies and products accelerate the car’s powertrain electrification and the deployment of driverless vehicles for OEMs.

Press Contacts:

David Fresneau

E-mail: david.fresneau@silicon-mobility.com

Tel.: +33 6 86 49 57 74

