

## **Silicon Mobility Achieves ISO 26262:2018 ASIL D Certification From SGS-TÜV Saar for OLEA® T222 FPCU**

**Sophia Antipolis – France (May 5<sup>th</sup>, 2020):** [Silicon Mobility](#), the technology player powering control solutions for a cleaner, safer, and smarter mobility, is proud to announce that Silicon Mobility's [OLEA® T222 FPCU](#) semiconductor has achieved ISO 26262:2018 ASIL D certification from SGS-TÜV Saar. The certification confirms that OLEA based solutions can be used by car manufacturers and automotive tier1s within the most safe and critical automotive applications such as the applications needed for electrified powertrain control.

“This certification demonstrates our permanent commitment toward the automotive market in delivering products that match the highest expectations of safety.” said Rainer Kallenbach, CEO of Silicon Mobility. “The OLEA® T222 FPCU embeds SILant®, our patented functional safety technology, which ensures customer ASIL D system designs with no compromise of performances and low impacts on software”.

ISO 26262, the international standard for "Road Vehicles-Functional Safety", was defined by the International Organization for Standardization (ISO) to guarantee that in-vehicle electrical/electronic embedded systems are designed to minimize malfunctions following rigorous criteria for safety. With the multiplication of devices, cables and connectors inside vehicles, functional safety becomes increasingly significant for automotive semiconductors. The Automotive Safety Integrity Level (ASIL) is the safety hierarchy specified under ISO 26262 according to several risk parameters. The ASIL D is the most stringent safety level of the standard.

The certification of OLEA® T222 FPCU has been achieved following an in-depth audit performed by SGS-TÜV Saar assessing the quality, rigorousness and completion of Silicon Mobility's analyses while designing, describing and completing the defined safety goals. OLEA® T222 FPCU is a Safety Element out of the Context (SEooC) for defined powertrain applications such as control of inverters/e-motors, DC/DC converters and On-Board-Chargers and electric drive axles.

OLEA® T222 FPCU is offered with ISO 26262 work products including a safety manual and a FMEDA tooling calculating the safety metrics in accordance to the customer system specifications.

### **About Silicon Mobility:**

Founded in 2015, Silicon Mobility is a technology leader for 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. Its technologies and products accelerate the car's powertrain electrification for OEMs. Silicon Mobility is headquartered in Sophia-Antipolis, France, with a global presence in Germany, Silicon Valley, CA., China, and Japan. For more information, visit: [www.silicon-mobility.com](http://www.silicon-mobility.com)

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