



Press Release

Collaborating with Savoy International Group, Wise-integration to Present a SiC 7kW Demoboard for Onboard Charger For Electric Vehicles with WiseWare® Digital Control

The Cross-Compatible OBC Enables Flexible, Efficient, And Intelligent Power Systems Across Multiple Wide-Bandgap Platforms

Hyerres, France – April 29, 2025 – Wise-integration, a pioneer in digital control for gallium nitride (GaN) and GaN IC-based power supplies, will break new ground at [PCIM Europe 2025](#), May 6–8 in Nuremberg. In collaboration with [Savoy International Group](#), the company will debut its digital controller of a silicon carbide (SiC) power demonstrator model, underscoring its expansion into complementary wide-bandgap (WBG) technologies and showcasing its WiseWare® digital controller's universality and adaptability across those technologies.

This marks a new market entry for Wise-integration—in particular, targeting SiC-based high-voltage applications in automotive and industrial sectors—while reinforcing that WiseWare® can serve as a common digital intelligence layer regardless of the underlying semiconductor material.





Building on Wise-integration's Core GaN Expertise

The WiseWare® 1 OBC SiC 7kW power demonstrator model builds on the company's core expertise in GaN-based systems and digital control ICs, reinforcing its commitment to advancing the full spectrum of power semiconductor technologies. This cross-compatible, digital control solution for both GaN and SiC, enables flexible, efficient, and intelligent power systems across multiple WBG platforms.

"This demonstration of a silicon-carbide onboard charger (OBC) marks an important step in Wise-integration's journey toward the automotive market," said CEO Thierry Bouchet. "By showing that WiseWare® can reliably control high-voltage, high-power systems in an EV-relevant application, we're validating our digital control platform as a strong candidate for next-generation onboard chargers. It's a first step toward demonstrating that our technology is scalable, adaptable, and aligned with the needs of future EV platforms."

The demonstrator is a prototype product for the company's partner, [Savoy International Group](#), a Tier 1 automotive supplier, whose e-mobility division collaborated with Wise-integration on a [GaN charger embedded in e-bike batteries](#) in 2023.

"This prototype has been developed specifically to support the electrification of Savoy's innovative, light electric vehicles under the KILOW brand, as well as their broader ambition to promote fun, accessible, and sustainable mobility solutions," Bouchet explained.

"Our previous collaboration with Wise-integration on the embedded GaN charger for our e-bike battery met all of our expectations for performance and helps us differentiate KILOW in a crowded field," said Émile Allamand, CEO of Savoy Group. "The SiC onboard charger will enable us to diversify our EV offerings with a light, four-wheel vehicle under our KILOW brand."

Major Differentiators of the WiseWare® 1 OBC SiC 7kW Demonstrator:

- **Technology-agnostic control:** WiseWare® works seamlessly with both GaN and SiC, allowing OEMs to keep control architecture constant, while optimizing the power stage for each use case (cost, power level, thermal profile, etc.).
- **Digital-first approach:** Unlike traditional analog control platforms, Wise-integration virtualizes control functions, enabling simplified designs, faster iterations, and more compact systems.
- **Open and modular design philosophy:** WiseWare® is not tied to a proprietary microcontroller or switch brand. This flexibility makes it highly attractive to Tier 1s and system integrators seeking to reduce vendor lock-in.

SiC technology delivers excellent thermal performance and is highly efficient under heavy loads—making it ideal for high-power components like traction inverters and fast chargers. Its ruggedness and maturity also contribute to its reliability in the demanding automotive environment.

WiseWare®'s SiC demonstration shows that the company's digital control platform is technology-



agnostic, and can bring the same performance, modularity, and intelligence to SiC systems as it does to GaN systems.

Visit us at our booth at **Leti Innovation Day**, at the Start-up Corner from June 17 to 19, to see how Wise-integration's SiC solutions complement its award-winning GaN-based WiseWare® platform. The company will also share updates on key partnerships and its technology roadmap during the event.

About Wise-integration

Wise-integration is a French fabless company founded in 2020, specializing in the advancement of power electronics through innovative GaN technology and digital control solutions. Leveraging its expertise, Wise-integration introduces a compelling synergy between its GaN device (WiseGan®) and a 32-bit, MCU-based, AC-DC digital controller (WiseWare®). This powerful combination enables the development of technologies facilitating chargers that are up to 3x smaller, 3x more efficient and 3x lighter, catering to power requirements from 30W to 7kW. Targeting a broad spectrum of markets, including consumer electronics, e-mobility, industrial applications, data centers and automotive sectors, Wise-integration is at the forefront of transforming power delivery with its cutting-edge components and digital control technologies.

Headquartered in Hyeres, France, the company has a North American Design & Development Center in Ottawa, Ontario, Canada, and an Asian subsidiary, Wise-integration Ltd., based in Hong Kong.

For more information, visit www.wise-integration.com.

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