



PRESS RELEASE

Infineon launches SECORA™ Pay Green – the world's first contactless payment card technology allowing for up to 100% reduction in plastic waste

- **SECORA™ Pay Green paves the way for a more environmentally responsible future in the payment industry**
- **The eco-friendly Coil-on-Module (eCoM) package allows the use of recyclable materials and a recycling share of card bodies of up to 100% while reducing CO₂ in raw material sourcing and logistics by more than 60%**
- **Infineon is collaborating with major card manufacturers and payment schemes worldwide to ensure readiness**

Munich, Germany – 16 October 2024 – Infineon Technologies AG (FSE: IFX / OTCQX: IFNNY) is paving the way to a significant reduction of plastic waste and CO₂ emissions in the payment card industry. The company today announced the launch of SECORA™ Pay Green which enables card designs allowing production of the world's first fully recyclable contactless (dual-interface) payment card bodies based on environmentally friendly and locally sourced materials.

Activities relating to SECORA Pay Green will create the catalyst for initial pilots with issuing banks. Additionally, Infineon is partnering with leading payment card manufacturers and payment schemes in preparation for mass production. As the industry moves forward, the successful execution of first pilots will be instrumental in driving the adoption of eco-friendly payment cards.

Infineon's SECORA Pay Green pioneers a new generation of payment card technology. Conventional payment cards require embedding a separate copper wire antenna in the card with various material layers, including inlay foils. These layers and the copper wire antenna that spans the entire card make it almost impossible to easily recycle conventional contactless payment cards. In contrast, Infineon's new SECORA Pay Green solution sets a new standard for the recycling of dual-interface payment cards by combining the new eco-friendly Coil-on-Module (eCoM) package, which holds the security controller and all software components and integrates the contactless antenna. At the end of the card's service life, the complete eCoM package can be removed from the card and disposed of as electronic waste. The homogeneous card body can then be recycled as plastic, wood or paper, depending on the material. The integration of the antenna also saves costs and

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emissions associated with the transportation and sourcing of copper wire for conventional payment cards. The new module design results in more than 60 percent savings in CO₂ emissions connected to the sourcing of raw materials and logistics. Using the innovative eco-friendly eCoM module, SECORA Pay Green reduces emissions to 27.10 kg CO₂e* per 1,000 cards manufactured compared to 90.08 kg CO₂e for standard card systems.**

“As a leading semiconductor company in power systems and IoT, Infineon is committed to driving decarbonization and digitalization,” said Thomas Rosteck, Division President Connected Secure Systems at Infineon. “Our SECORA Pay Green launch not only sets a new standard for sustainable payment cards; we are also paving the way for a more environmentally responsible future in the payment industry. By reducing CO₂ emissions and enabling easier recycling, we’re empowering financial institutions and card issuers to positively impact the environment while meeting customers’ increasing demands for eco-friendly solutions.”

“Since 2018 Mastercard and industry partners have been working together developing better, more sustainable card options. Current product offerings have proven that payment cards can be manufactured with improved recyclability from renewable sourcing,” said Joe Pitcher, Vice President Mastercard Sustainable Card Program. “We support innovations like Infineon’s SECORA Pay Green that demonstrate innovative thinking and a willingness to re-engineer products, to reduce their environmental impact. Mastercard encourages vendors to pursue more ambitious emissions reduction goals, and innovate their product portfolios, like Infineon.”

“This new Infineon chip is a game changer for the card industry,” said Toni Thompson, EVP Credit and Debit Solutions at CPI. “As a leading card producer, CPI has a long-term strategic relationship with Infineon. We’ve already begun incorporating this new chip into our wide range of card materials designed to help our clients stay top-of-wallet with their accountholders. The SECORA Pay Green chip further enables our shift towards even more eco-focused options while continuing to deliver convenience and innovation to our customers.”

“One of Perfect Plastic’s missions is to find renewable and recycled products for card manufacturing,” said Mike Sabatini, Senior Vice President Manufacturing, Perfect Plastic Printing. “Our continued partnership with Infineon has enabled us to find these alternatives for card manufacturing with minimal environmental impact and lower carbon footprint. The launch of the new SECORA Pay Green solution will let card manufacturers and banks continue issuing innovative, secured cards reducing carbon emissions during the card manufacturing process by double-digit quantities.”

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SECORA Pay Green is a plug-and-play solution that can be easily implemented in existing dual-interface card manufacturing facilities, further contributing to fast adoption rates. Another feature of the eCoM module is its ability to seamlessly interact with smartphone antennas. This offers consumers several advantages, in particular high convenience and ease-of-use in tap-to-mobile scenarios. Furthermore, the solution allows a variety of sustainable card materials, like recycled PVC (rPVC), rPETG, PLA, ocean-bound plastic, wood and even paper.

Research shows that customers are increasingly drawn to financial institutions that prioritize sustainable banking practices. In fact, a significant majority of [consumers prefer their bank to provide eco-friendly](#) payment cards. Furthermore, the number of regulations and legal directives relating to environmental protection in the financial industry is increasing. According to forecasts, in 2028 the number of payment cards made of recycled rPVC will grow to around 1.2 billion cards shipped worldwide, nearly a 5-fold increase compared to 2022, when 226 million cards were shipped. (Source: [ABI Research](#), 2023)

* Kilograms of carbon dioxide equivalent (kg CO₂e), allowing for a comparison of different products' climate impacts

**Product Carbon Footprint Report for US for CoM and eCoM, October 2024

Learn more about SECORA™ Pay Green here: www.infineon.com/secorapaygreen

About Infineon

Infineon Technologies AG is a global semiconductor leader in power systems and IoT. Infineon drives decarbonization and digitalization with its products and solutions. The company has around 58,600 employees worldwide and generated revenue of about €16.3 billion in the 2023 fiscal year (ending 30 September). Infineon is listed on the Frankfurt Stock Exchange (ticker symbol: IFX) and in the USA on the OTCQX International over-the-counter market (ticker symbol: IFNNY).

Further information is available at www.infineon.com

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