PRESS RELEASE

Infineon introduces Power System Reliability Modeling to reduce power shortages and blackouts in data center systems

- **Power supply failures are a growing challenge for data center and telecom infrastructure operators**
- **Power System Reliability Modeling by Infineon is a pivotal step towards reliable and stable power supply in data centers**
- **Improved device utilization and data-driven maintenance recommendation translate into enhanced profitability, reduced Total Cost of Ownership and carbon-footprint**

Munich, Germany – 11 June 2024 – Infineon Technologies AG (FSE: IFX / OTCQX: IFNNY) introduces Power System Reliability Modeling, an innovative solution addressing the increasing challenges faced by data centers and telecom infrastructures due to power supply failures in the system. With 39 percent of downtimes attributed to power outages and an average cost of $687,700 per downtime, the need for seamless operations and mitigation of financial impact is urgent. By integrating Infineon's power monitoring solution, organizations can enhance operational resilience, reduce their carbon-footprint and achieve substantial cost savings. The offering consists of an algorithm running on a digital power controller, thus integrating software and hardware. This is in line with Infineon's strategic approach to provide customers with comprehensive system solutions that include both semiconductor devices and matching software tools. Target applications of the solution include DCDC converters, ACDC rectifiers and IBC modules utilized in data centers, AI servers, GPUs, and telecom networks.

Power System Reliability Modeling acts as a bridge between component and system reliability. It enables real-time power supply health monitoring of the system and lifetime estimation based on dynamic system operating parameters, a power supply system model, and a reliability prediction procedure in digital power controllers by Infineon. This solution ensures improved device utilization and data-driven maintenance recommendations, translating into enhanced profitability and reduced Total Cost of Ownership (TCO). Customers benefit from real-time system diagnostics for their power supply as well as powerful system reliability-based decisions and quality assurance. The solution is easy to use and integrate into existing designs.

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“The Power System Reliability Modeling represents a pivotal step for Infineon and its customers towards reliable and stable power supply in data centers,” said Adam White, Division President Power & Sensor Systems at Infineon. “Following our Product to System approach, the solution focuses on delivering hardware integrated with advanced software capabilities. This approach not only expands product capabilities and scope, but also empowers our customers to create more value and scale their operations faster.”

Further information about the solution is available at www.infineon.com/reliabilitymodeling.

Industry professionals are invited to discover and experience a demo showcase of the Power System Reliability Modeling at PCIM Europe 2024. There will also be a keynote presentation at the Technology Stage on June 11th at 10:50 am.

Infineon at the PCIM Europe 2024

PCIM Europe will take place in Nuremberg, Germany, from 11 to 13 June 2024. Infineon will present its products and solutions for decarbonization and digitalization in hall 7, booths #470 and #169. Company representatives will also be giving several presentations at the accompanying PCIM Conference and Forums, followed by discussions with the speakers. If you are interested in interviewing an expert at the show, please email media.relations@infineon.com. Industry analysts interested in a briefing can email MarketResearch.Relations@infineon.com. Information about Infineon’s PCIM 2024 show highlights is available at www.infineon.com/pcim.

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.infneon.com
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