



PCIM 2024
Nuremberg,
11th - 13th June
Hall 9 Booth 602

Innovating for a sustainable future: Toshiba focuses on e-mobility, industrial, energy and infrastructure at PCIM 2024

Düsseldorf, Germany, 28th May 2024 – Toshiba Electronics Europe GmbH and Toshiba Materials CO., LTD. (jointly “Toshiba”) will bring solutions that support customers’ goals in reducing their CO₂ footprint at the PCIM 2024 conference and exhibition (Nuremberg 11th – 13th June). This year, the company will use the event to showcase a combination of several business units that support development of sustainable solutions. Semiconductor, battery, and fine ceramic material solutions form a complete chain of products in key applications from e-mobility, industrial, energy and infrastructure sectors.

Toshiba has manufactured top-class ceramics since the 1970s, and its pioneering Silicon Nitride substrates will be on display along with bearing balls, AMOBEADS™, and Nanocrystalline common mode choke cores.

In Toshiba’s eMobility booth area, visitors will discover demonstrations of automotive thermal management by heat pumps and fans utilising Toshiba’s newly released SmartMCD.

Toshiba’s industrial demonstrations highlight the entire product chain from control to isolation to power conversion stages, incorporating the latest generations of SiC, GaN and low-voltage MOSFET technologies. They include reference design implementations utilising modern topologies for factory automation, power supplies, and motor control applications.

Energy and infrastructure demonstrations will focus on high-power solutions such as IEGT and SiC Modules supporting voltages from 1.2kV to 3.3kV. Toshiba’s SiC Cube

illustrates a solution implementation for charging infrastructure utilising SiC MOSFET devices, whereas SCiB batteries demonstrate their effective use for energy storage.

Toshiba representatives are also scheduled to participate in the conference program speeches and poster sessions on Wide Bandgap, power semiconductors and gate driver ICs topics.

For more information, please visit Toshiba's dedicated PCIM 2024 page: https://toshiba.semicon-storage.com/eu/company/exhibition/articles/exhibition_PCIM2024.html

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About Toshiba Electronics Europe

[Toshiba Electronics Europe GmbH](#) (TEE) offers European consumers and businesses a wide variety of hard disk drive (HDD) products plus semiconductor solutions for automotive, industrial, IoT, motion control, telecoms, networking, consumer and white goods applications. Next to HDDs, the company's broad portfolio encompasses power semiconductors and other discrete devices ranging from diodes to logic ICs, optical semiconductors as well as microcontrollers and application specific standard products (ASSPs) amongst others.

In addition, TEE also offers Toshiba's SCiB™ battery cells and modules with lithium titanium oxide (LTO) for heavy-duty applications and Silicon Nitride (SiN) ceramic substrates used in power semiconductor modules, inverters and converters for their heat dissipation characteristics and strength.

TEE has its headquarters in Düsseldorf, Germany, with branch offices in France, Italy, Spain, Sweden and the United Kingdom providing marketing, sales and logistics services.

Visit Toshiba's websites at www.toshiba.semicon-storage.com, www.scib.jp/en and www.toshiba-tmat.co.jp/en/ for further company and product information.

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May 2024

Ref. 7551(A)EN