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Tata Elxsi and Infineon Partner to Accelerate EV Innovation in India



Bengaluru (ots) -

Collaboration focuses on ready-to-deploy EV systems built on Infineon technologies for two-wheelers (2W), three-wheelers (3W), passenger vehicles (PV), and commercial vehicles (CV)

Tata Elxsi, a global leader in design and technology services, and Infineon Technologies, a global leader in semiconductor solutions, have signed a Memorandum of Understanding (MoU) to jointly develop application-ready [EV solutions](#) tailored to the Indian market.

This strategic collaboration aligns with India's rapid shift towards electrification, with EV sales growing by 25–30% year-on-year in 2024, including a 28% increase in electric two- and three-wheeler sales.

The partnership strategically leverages design and integration expertise, enabling faster adoption of automotive-grade, cost-optimised, and safety-compliant subsystems across key mobility segments. It addresses critical safety requirements such as ASIL-D (Automotive Safety Integrity Level D) compliance, as per ISO 26262 (Functional Safety of Road Vehicles) standards.

Tata Elxsi brings its design, system integration, and validation capabilities, while Infineon will provide early access to its latest semiconductor technologies—such as silicon carbide (SiC)-based components, microcontrollers, and integrated circuits (ICs).

Through this collaboration, Tata Elxsi and Infineon will work closely to develop high-voltage inverters for traction and auxiliary systems, scalable battery management systems (BMS), bi-directional onboard chargers, and high-voltage thermal management solutions for the Indian market. This will serve India's fast-evolving 2W, 3W, PV, and CV segments, with future pathways to address eVTOL, energy, and off-highway sectors.

"Currently, several of our EV solutions are already built on Infineon SoCs and components. This MoU further strengthens our partnership by giving us a clearer scope and tighter system-level alignment, enabling shorter turnaround times to address Indian market requirements. As EV adoption scales, our focus remains on delivering production-ready, automotive standards-compliant platforms and solutions," said **Nambi Ganesh, Head of Automotive, Tata Elxsi.**

"At Infineon, we are committed to driving innovation in the electric vehicle sector and empowering our partners to bring cutting-edge technologies to market. This partnership with Tata Elxsi is a significant step in our journey to support India's ambitious electrification goals. By combining Tata Elxsi's design and integration expertise with our advanced semiconductor solutions, we are not only

enhancing the development of ready-to-deploy EV systems but also ensuring that they meet the highest safety and performance standards. Together, we aim to accelerate the adoption of electric mobility across various segments, from two-wheelers to commercial vehicles, and contribute to a more sustainable future for India,” said **Kenneth Lim, Senior Vice President, Automotive, Infineon Technologies Asia Pacific**.

This initiative supports national targets outlined by NITI Aayog, including 80% electrification of 2W and 3W and 70% of CVs by 2030.

About Tata Elxsi

Tata Elxsi is among the world's leading providers of design and technology services across industries including automotive, broadcast, communications, healthcare, and transportation. Tata Elxsi works with leading OEMs and suppliers in the automotive and transportation industries for R&D, design, and product engineering services from architecture to launch and beyond.

It brings together domain experience across autonomous, electric, connected vehicle technologies, and software-defined vehicles (SDVs), supported by a worldwide network of design studios, development centres, and a global talent pool of over 13,000 engineers and specialists. For more information, please visit: www.tataelxsi.com/industries/automotive

About Infineon

Infineon is a global semiconductor leader in power systems and IoT. Infineon drives decarbonization and digitalization with its products and solutions. The Company had around 58,060 employees worldwide (end of September 2024) and generated revenue of about €15 billion in the 2024 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).

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