

Exhibition

TDK showcases custom sensing solutions for an AI-powered future at Sensors Converge 2025

- TDK will showcase its sensing solutions at Sensors Converge 2025 in Santa Clara, CA, USA June 24-26
- TDK is a finalist for three Best of Sensors Awards from Sensors Converge and Fierce Electronics
- Partners Ambiq and AON Solutions, will demonstrate solutions for hearables, wearables, digital health, extended reality, smartphones, smart home/building, mobility, automotive, and IoT

June 4, 2025

TDK Corporation (TSE:6762) will showcase its industry-leading consumer and automotive sensing solutions at Sensors Converge 2025, June 24-26 at the Santa Clara Convention Center (Booth #722). TDK custom sensing solutions – engineered to deliver the data and accuracy fueling the next wave of AI innovation – will be featured in speaking sessions, booth demonstrations, and announcements during the event, which draws more than 5,000 sensor design engineers annually.

At the TDK booth, experience interactive demos of innovations in sound, motion, presence detection, energy harvesting, and more. Experts will demonstrate solutions featuring:

- [Hearables / TWS Solutions with VibeSense 360™](#) – Showcasing concurrent features of spatial audio, keyword assist, transparency for talk, head/UI gestures, and machine learning in TDK's next-gen VibeSense360™ TWS solution with SmartMotion® IMU and on-chip software.
- [WeWALK Smart Cane 2 with TDK Sensors](#) – Experience the multi-award-winning Smart Cane, enabled by TDK's MEMS Microphone, SmartMotion, and SmartSonic™ Time-of-Flight (ToF) sensors and AI/edge intelligence to enhance accessibility for individuals with visual impairments.
- [Braking and Steering with Precision Sensing](#) – TDK's custom sensing solutions boost precision in automotive applications, including steering wheel angle detection, brake and acceleration control, valve positioning, and chassis monitoring. Featuring TDK's stray-field robust 2D Hall-effect position sensors HAL/HAR 35xy for mainstream applications and the company's TMR angle sensor TAS2142 for accurate rotor position measurement.
- [MEMS Microphones](#) – Showcasing premium audio capture, spoken keyword detection, and acoustic activity detection with ultra-low-power SmartSound™ analog and digital MEMS microphone solutions – ideal for IoT and smart home / building applications.
- [PositionSense™ 9-axis Solution for Absolute Orientation Detection](#) – Demonstrating positioning accuracy for mobile and wearable technology, with TDK's 6-axis IMU and 3-axis TMR-based magnetometer, on-chip sensor fusion software, and off-chip pedestrian dead reckoning (PDR) software by Trusted Positioning, Inc.
- [Energy Harvesting from Ambiq + TDK](#) – The Ambiq harvestKIT platform is a versatile energy harvesting reference design platform using the SmartMotion IMU for energy-efficient solutions in healthcare, smart home / building, remote infrastructure monitoring, and more.
- [Edge AI Device from AON Solutions + TDK](#) – The AON1100™ brings cutting-edge edge AI performance together with TDK's SmartSound™ and SmartMotion™ sensors to deliver ultra-low power voice activation, speech, sound detection and more— ideal for next-generation wearables, hearables, and IoT devices.

TDK experts will take the stage twice at [Sensors Converge 2025](#), including:

Live Theater: Small, Smart and Powerful: How IMUs can Transform Your Next Design – Wednesday, June 25, 2:45-3:00pm

- Hear how ultra-compact, low-power IMUs with on-chip sensor fusion are powering next-gen consumer and immersive technology
- Presenters: Song Li, Director of Product Marketing, and JeKwon Yoon, Director of Software Systems at InvenSense, a TDK group company

Leadership Panel: From Concept to Market: Overcoming Challenges for Next-Gen Sensor Technologies – Wednesday, June 25, 10:50-11:30am

- Industry leaders and researchers will discuss key challenges, including technological development, scalability, regulatory compliance, and market adoption.
- Moderator: Vincent Broyles, Senior Director of Global Sales Engineering at TDK SensEI, a TDK group company.

TDK solutions are finalists in three categories for the [2025 Best of Sensors Awards](#), with winners to be announced at Sensors Converge. Finalists include:

- **Best Automotive & Mobility Solution:** SmartAutomotive™ IAM-20685HP
- **Best Healthcare & Wearable Solution:** VibeSense360™
- **Best Smart Infrastructure Solution:** SmartSonic™ ICU-30201 ToF Sensor

Learn more about these and other MEMS sensing solutions at invensense.tdk.com.

About TDK Corporation

TDK Corporation is a world leader in electronic solutions for the smart society based in Tokyo, Japan. Built on a foundation of material sciences mastery, TDK welcomes societal transformation by resolutely remaining at the forefront of technological evolution. It was established in 1935 to commercialize ferrite, a key material in electronic and magnetic products. TDK's comprehensive, innovation-driven portfolio features passive components such as ceramic, aluminum electrolytic and film capacitors, as well as magnetics, high-frequency, and piezo and protection devices. The product spectrum also includes sensors and sensor systems such as temperature and pressure, magnetic, and MEMS sensors. In addition, TDK provides power supplies and energy devices, magnetic heads, software and more. These products are marketed under the product brands TDK, EPCOS, InvenSense, Micronas, Tronics, and TDK-Lambda. TDK focuses on demanding markets in automotive, industrial and consumer electronics, and information and communication technology. The company has a network of design and manufacturing locations and sales offices in Asia, Europe, and in North and South America. In fiscal 2025, TDK posted total sales of USD 14.4 billion and employed about 105,000 people worldwide.

You can download this text and associated images from https://www.tdk.com/en/news_center/press/20250604-01-sensors-converge-2025.html

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