

 Press Information

Corporate

TDK wins Innovation Award in CEATEC 2025

October 7, 2025

TDK Corporation (TSE:6762) announces that TDK's prototype of an analog reservoir AI chip won the Innovation Award at CEATEC 2025.

The CEATEC AWARD 2025 is presented to outstanding exhibited products, technologies, and services with particularly high innovation at CEATEC, where cutting-edge technologies from Japan and abroad gather. Among these, the Innovation Award recognizes new technologies and solutions that contribute to the sustainable maintenance and development of industry, business, society, and daily life, and that possess advanced features, concreteness, and social contribution in line with the realization of Society 5.0.

TDK's demonstration device combines the real-time learning function of the edge-oriented analog reservoir AI chip (jointly developed with Hokkaido University) with TDK's acceleration sensor. This enables high-speed processing of time varying, time-series data and tasks with low power consumption.

The CEATEC AWARD 2025 judging committee granted the award to TDK's prototype of an analog reservoir AI chip based on its evaluation that, as AI utilization advances and global power demand and communication latency become challenges, there is a need for low-power, low-latency AI not only in the cloud but also at the edge, and reservoir AI is expected to lead to new innovations in the future.

TDK will further advance research on reservoir computing in collaboration with Hokkaido University and will contribute to the development of the "AI ecosystem market" by collaborating with our Sensor Systems Business Company and TDK SensEI, which develops sensor solutions business in the edge area.

Theme and Award

- Theme: Prototype of analog reservoir AI chip
- Award: Innovation Award

About TDK Corporation

TDK Corporation (TSE:6762) is a global technology company and innovation leader in the electronics industry, based in Tokyo, Japan. With the tagline “In Everything, Better” TDK aims to realize a better future across all aspects of life, industry, and society. For over 90 years, TDK has shaped the world from within; from the pioneering ferrite cores to cassette tapes that defined an era, to powering the digital age with advanced components, sensors, and batteries, leading the way towards a more sustainable future. United by TDK Venture Spirit, a start-up mentality built on visions, courage and mutual trust, TDK’s passionate team members around the globe pursue better—for ourselves, customers, partners, and the world. Today, the state-of-the-art technologies of TDK are in everything, from industrial applications, energy systems, electric vehicles, to smartphones and gaming, at the core of modern life. TDK’s comprehensive, innovative-driven portfolio includes cutting-edge passive components, sensors and sensor systems, power supplies, lithium-ion and solid-state batteries, magnetic heads, AI and enterprise software solutions, and more—featuring numerous market-leading products. These are marketed under the product brands TDK, EPCOS, InvenSense, Micronas, Tronics, TDK-Lambda, TDK SenseEI, and ATL. Positioning the AI ecosystem as a key strategic area, TDK leverages its global network across the automotive, information and communication technology, and industrial equipment sectors to expand its business in a wide range of fields. In fiscal 2025, TDK posted total sales of USD 14.4 billion and employed about 105,000 people worldwide.

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