

Exhibitions

TDK to exhibit at Automate 2024, May 6-9 in Chicago, Illinois

- Qeexo, a TDK group company, will showcase the latest in enterprise AI at the largest robotics and automation show in North America

May 2, 2024

TDK Corporation (TSE:6762) announces that Qeexo, a TDK group company and global leader in innovative machine learning solutions, will be participating in the upcoming Automate show taking place May 6 through May 9 in Chicago. TDK (Booth #2291) will demonstrate its award-winning Qeexo Auto Machine Learning (AutoML) platform and showcase its multi-class AI-powered condition-based monitoring (CbM) solutions.

The AutoML platform by Qeexo offers a comprehensive AI solution designed to automate and simplify the process of building and scaling machine learning (ML) models. This platform has features designed for both expert ML engineers and users who simply want an easy-to-use platform to build ML models. By leveraging this cutting-edge technology, businesses of all sizes can use AI to improve factory output, reduce production waste, enhance QA and safety processes, and access an always-available view into the operational state of critical assets.

Attendees at the Automate show will have the opportunity to witness live demonstrations of Qeexo's AI-powered CbM solution. This innovative system continuously monitors machine operating states and detects anomalies in real time, directly on edge devices. Key features of the CbM solution include:

- **Easy installation:** The sensor modules can be effortlessly attached to the exterior of machines
- **Sensor data:** Compatibility with various sensor types, including vibration, environmental, acoustic, and others, ensures versatility and adaptability
- **Multi-class anomaly detection:** Capable of identifying anomalies across multiple classes, detection technology enhances accuracy and reliability
- **Predictive maintenance (PdM):** With sufficient data, the CbM solution enables predictive maintenance by identifying early signs of potential failure and promptly alerting maintenance personnel

"We are excited to showcase our cutting-edge Enterprise AutoML platform and AI-powered CbM solution at the Automate show," said Sang Lee, CEO at Qeexo. "These innovative solutions represent a significant advancement in machine learning technology, offering unparalleled automation, simplicity, and efficiency to businesses across multiple industries."

Visit TDK at the Automate show (Booth #2291) to experience first-hand how these groundbreaking solutions can transform your business operations.

For more information about Qeexo and its innovative machine learning solutions, please visit www.qeexo.tdk.com.

Glossary

- AutoML: Automated machine learning is the process of automating the tasks of applying machine learning to real-world problems
- ML: A field of inquiry devoted to understanding and building methods that 'learn', that is, methods that leverage data to improve performance on some set of tasks
- Arm Keil MDK: A comprehensive software development solution for Arm®-based microcontrollers and includes all components that you need to create, build, and debug embedded applications

Main applications

- Industrial IoT for manufacturing
- Automotive
- Medical
- Leisure, sports, and fitness activity monitoring for wearable sensors
- Indoor/outdoor navigation (dead-reckoning, floor/elevator/step detection)
- Smart home appliances such as robotic vacuum cleaners
- Condition based monitoring, predictive maintenance
- Machine learning platform and applications development
- Developer tools, IDE

Main features and benefits

- Fully automated, no code machine learning platform
- Seamless integration of Qeexo models with Arm Keil MDK
- Supports 17 different machine learning algorithms
- Wide range of hardware support for Arm Virtual Hardware M-55 and U-55 support

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 and deliberately “Attracting Tomorrow.” 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 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 2024, TDK posted total sales of USD 14.6 billion and employed about 101,000 people worldwide.

About Qeexo

Qeexo, a TDK Group Company, is the first company to automate end-to-end machine learning for embedded edge devices (Cortex M0-M4 class). Our one-click, fully automated Qeexo AutoML platform allows customers to leverage sensor data to rapidly build machine learning solutions for highly constrained environments with applications in industrial, IoT, wearables, automotive, mobile, and more. Over 300 million devices worldwide are equipped with AI built on Qeexo AutoML. Delivering high performance, solutions built with Qeexo AutoML are optimized to have ultra-low latency, ultra-low power consumption, and an incredibly small memory footprint.

<https://qeexo.tdk.com>

You can download this text and associated images from <https://qeexo.tdk.com/automate2024/>

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