

EMASS Showcases Multimodal Edge AI at electronica 2026

Live demos highlight asset tracking with Bosch Sensortec, vision-activated voice control, and predictive maintenance on ECS-DoT

LOS ANGELES (Oct. 13, 2026) – EMASS, a Nanoveu subsidiary specializing in ultra-efficient edge AI semiconductor technology, today announced its participation at electronica 2026, taking place November 10–13, 2026 in Munich, Germany. At Hall C6, Booth 102, EMASS will demonstrate how its ECS-DoT edge AI system-on-chip (SoC) brings always-on intelligence to battery-powered devices, processing vision, audio, motion, and environmental data on a single milliwatt-class platform.

Live demonstrations include:

- **Intelligent Asset Tracking with Bosch Sensortec**
Built on the reference design EMASS developed with Bosch Sensortec, this demo pairs ECS-DoT with five Bosch Sensortec sensors – motion, environmental, magnetic, pressure, and gas – to evaluate how an asset is moving, how it is being handled, and whether its cargo remains in good condition. The ECS-DoT's event-driven AI activates GPS and wireless connectivity only when meaningful events are detected, enabling context-aware tracking within the power budget of a coin-cell battery.
- **Vision-Activated Keyword Spotting**
This new multimodal demo combines on-device face recognition with keyword spotting. ECS-DoT first recognizes a user through a low-power camera, then enables voice commands, so devices respond only when the right person is present while keeping image and audio data on-device. The demo shows how a single ECS-DoT can orchestrate multiple sensor modalities as an always-on gatekeeper, waking the host processor only when it is needed.
- **Predictive Maintenance**
Showcasing ultra-low-power, always-on monitoring of vibration, motion, and environmental signals, this demo shows how ECS-DoT detects equipment health issues in real time, directly on-device eliminating cloud dependency.

"Edge devices are increasingly expected to see, hear, and sense their surroundings at the same time, and to do it on a battery," said Scott Smyser, Vice President of Sales and Marketing at EMASS. "These demonstrations show ECS-DoT handling vision, voice, motion, and environmental data together on-device, so product teams can add multimodal intelligence without giving up battery life or privacy."

To schedule a meeting or request a live demonstration during electronica 2026, please contact Scott Smyser, Vice President of Sales and Marketing, at scott@nanoveu.com. To learn more about the ECS-DoT platform, visit nanoveu.com/emass/products.

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About EMASS

EMASS – a subsidiary of Nanoveu Ltd (ASX: NVU) – is an advanced semiconductor company specializing in ultra-low-power AI system-on-chip (SoC) solutions for edge computing. The company's flagship ECS-DoT chip delivers high-performance AI processing for vision, audio, and sensor data directly on-device, maximizing energy efficiency through its RISC-V architecture and non-volatile memory technologies. This always-on intelligence solution is optimized for power- and space-constrained applications including drones, wearables, healthcare devices and industrial IoT systems. For more information, visit nanoveu.com/emass.

About Nanoveu

Nanoveu is a listed company advancing human-machine experiences at the edge through a portfolio that spans ultra-low-power AI and glasses-free 3D technologies. Its subsidiary EMASS designs advanced system-on-chip (SoC) solutions that deliver efficient, scalable on-device AI for smart devices, IoT applications and 3D content transformation – enhancing Nanoveu's reach across rapidly growing AI, edge computing and 3D content markets. EyeFly3D™ is Nanoveu's end-to-end platform for glasses-free 3D, uniting proprietary screen technology with sophisticated content processing software and, now, EMASS's ultra-low-power SoC to bring immersive 3D to a wide range of devices and industries. The Company also develops and markets an advanced range of self-disinfecting and hydrophobic films and coatings under the Nanoshield™ brand, designed for applications including large-scale CSP and photovoltaic solar installations. Together, Nanoveu's businesses deliver practical innovation that makes devices smarter, environments safer and experiences more immersive.

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