# EMASS Announces Preliminary Drone Results
*ECS-DoT SoC test results show control, power conservation and AI capability*

**LOS ANGELES (May 30, 2025)** – EMASS, a Nanoveu subsidiary emerging from stealth with next-generation semiconductor technology, has announced the recent findings of their drone test series held in May, 2025.

**Excerpt of the findings:**
EMASS has demonstrated the ECS-DoT chip executing a full "sense–think–act" control loop at 50 Hz in PX4/Gazebo hardware-in-the-loop tests, with loop-to-loop timing "jitter" held under ±1 ms over thousands of cycles, placing performance at par with high-end flight controllers. This real-time responsiveness (processing and actuating 50 times per second) supports handling environmental disturbances (wind, payload shifts), which should help extend flight endurance by up to ~30%, all while using sub-1 mW power consumption. The next steps are integrating AI models (surrogate and reinforcement learning controllers), running more advanced simulation scenarios, and preparing for live drone flight trials. The milestone is positioned as a building block toward commercial applications in drones (delivery, inspection, agriculture, defence) and other ultra-low-power embedded AI markets like wearables and IoT.

"This milestone is more than a technical achievement, it's a validation of the ECS-DoT architecture as a commercially viable solution for ultra-low-power, realtime AI applications," said Mark Goranson, CEO of EMASS. "Achieving 50 Hz control within a sub-milliwatt power envelope demonstrates the chip's readiness for high-growth sectors like drones, wearables, and IoT. As the demand for intelligent, edge-deployed systems continues to rise, ECS-DoT offers a scalable platform to meet the performance and energy needs of next-generation devices."

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For more information, visit the website.

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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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