

EMASS Announces Drone Performance Trial Report

300+ Simulated Drone Trials Overcome Top Industry Bottleneck, Averaging 60% Extended Flight Times with Sub-1mW AI Control

LOS ANGELES (Sept. 2, 2025) – EMASS, a Nanoveu subsidiary emerging from stealth with next-generation semiconductor technology, has announced the findings of the most recent drone test-flight results. EMASS tested the ECS-DoT in more than 300 simulated drone scenarios covering quadcopters, hexacopters and octocopters under varied payloads, wind and mission conditions.

“These results mark a defining milestone - ECS-DoT is now validated across hundreds of high-stress flight scenarios, and the performance speaks for itself. We’re not just improving flight times but we’re unlocking entirely new categories of mission endurance and AI-based control at the edge,” said Mark Goranson, CEO of EMASS. “What excites us most is the clear commercial pathway ahead. We’re already engaging with leading OEMs to translate these results into commercial flight systems. As we scale into live drone trials and accelerate our sales efforts, EMASS is positioned to become the benchmark for energy-efficient Edge AI in next-generation autonomous platforms.”

Report Excerpt:

The chip achieved large endurance improvements, averages of ~60% longer flight times (up to ~80%) in quadcopters, ~75% in hexacopters, ~57% in octocopters; without changing batteries, rotors, or propulsion hardware. The AI control runs at 50 Hz with under 1 milliwatt power draw. EMASS is now planning real-world flight trials, is engaging with OEMs and avionics manufacturers and is progressing patent filings. The market opportunity covers delivery, agriculture, defence, inspection, etc., in a drone market projected at USD \$163-165 billion by 2030.

To see the full report, visit <https://wcsecure.weblink.com.au/pdf/NVU/02988064.pdf>

To contact the EMASS sales team, please email sales@emass.com.

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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