

ASX RELEASE

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EMASS Announces Collaboration with Arrow Electronics to Accelerate Deployment of Ultra-Low-Power Edge AI Technology

Collaboration centres on ECS-DoT SoC and developer tools, with joint evaluation board to be showcased

Highlights

- With engineering support from Arrow Electronics (Arrow), EMASS is accelerating the adoption of its ECS-DoT ultra-low-power edge-AI SoC across wearables, industrial IoT, smart sensing and drones.
- Program focuses on SDKs, developer tools and reference designs, pairing EMASS silicon with Arrow's global engineering and supply-chain capabilities.
- Joint evaluation board to be unveiled and demonstrated by Arrow and EMASS at Singapore Week for Innovation and Technology (SWITCH), which is taking place from the 29th through to the 31st of October 2025, enabling rapid prototyping for customers.
- Collaboration aims to simplify on-device, always-on AI integration at milliwatt-class power, real-time performance, and reduced cloud reliance.
- Pathway for co-marketing, technical training, and design support to speed customers from concept to pilot and production.

Nanoveu Limited (ASX: NVU, OTCQB: NNVUF) (Nanoveu or the Company), a technology innovator across advanced semiconductor, visualisation, and materials science, is pleased to announce that its wholly-owned subsidiary Embedded A.I. Systems Pte Ltd (**EMASS**) is collaborating with Arrow Electronics, a global provider of technology solutions to accelerate the deployment of ultra-low-power edge-AI solutions based on EMASS's ECS-DoT System on Chip (**SoC**). The collaboration combines Arrow's global engineering reach, design-for-manufacture expertise, distribution and supply-chain services with EMASS's milliwatt-class, on-device AI technology to help customers build and ship always-on products faster.

Arrow's global engineering teams, solution centres, and university innovation programs (including the NTU-Arrow Invent Lab) help customers move from prototype to production at speed. By combining this infrastructure with EMASS's ultra-low-power ECS-DoT SoC, customers gain a defined progression from evaluation to reference design to volume production, accelerating the uptake of always-on, on-device AI.

As part of the collaboration, Arrow and EMASS are aligning on enhanced SDKs, developer tools, and reference designs to simplify evaluation and integration of ECS-DoT across power- and space-constrained devices. To anchor this pathway, the companies will showcase a joint reference design at Singapore Week for Innovation and Technology (**SWITCH**) in Singapore which is taking place from the 29th through to the 31st of October 2025, giving developers a turnkey way to prototype real-time, on-device inference with minimal power and bill-of-materials overhead, and forming the first step toward production.

Mark Goranson, CEO of Nanoveu's Semiconductor Division, said: "Progressing our relationship with Arrow brings ECS-DoT to a much broader community of developers and manufacturers. Arrow's global footprint, engineering depth and supply-chain strength complement our technology and shorten the path from idea to shippable product."

What this means for EMASS

- Faster developer adoption: Arrow's technology network and design support to compress evaluation cycles for ECS-DoT.
- Smoother path to production: Modular Reference designs, alongside EMASS's SDKs and the joint evaluation board (with in-situ developed APIs for peripheral boards) reduce integration friction and support design-in decisions by OEMs and system integrators.
- Broader end-markets: The collaboration targets wearables, industrial IoT, smart sensing and drones segments where always-on, milliwatt-class AI unlocks new features without larger batteries or heavier compute.
- Scalable commercial model: A clear funnel from proof-of-concept → pilot → production, supported by Arrow's supply-chain services and EMASS's silicon roadmap, positions ECS-DoT for multi-year design-wins.

Nanoveu will provide updates following the evaluation board showcase later this month and on any material commercial developments arising from the collaboration.

This announcement has been authorised for release by the Board of Directors.

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Nanoveu Media

Alfred Chong, Nanoveu MD and CEO

P: +65 6557 0155

E: info@nanoveu.com

About Nanoveu Limited

Further details on the Company can be found at <https://nanoveu.com/>.

EMASS is a pioneering technology company specialising in the design and development of advanced systems-on-chip (SoC) solutions. These SoCs enable ultra-low-power, AI-driven processing for smart devices, IoT applications, and 3D content transformation. With its industry-leading technology, EMASS will enhance Nanoveu's portfolio, empowering a wide range of industries with efficient, scalable AI capabilities, further positioning Nanoveu as a key player in the rapidly growing 3D content, AI and edge computing markets.

EyeFly3D™ is a comprehensive platform solution for delivering glasses-free 3D experiences across a range of devices and industries. At its core, EyeFly3D™ combines advanced screen technology, sophisticated software for content processing, and now, with the integration of EMASS's ultra-low-power SoC, powerful hardware.

Nanoshield™ is a self-disinfecting film that uses a patented polymer of embedded Cuprous nanoparticles to provide antiviral and antimicrobial protection for a range of applications, from mobile covers to industrial surfaces. Applications include *Nanoshield™ Marine*, which prevents the growth of aquatic organisms on submerged surfaces like ship hulls, and *Nanoshield™ Solar*, designed to prevent surface debris on solar panels, thereby maintaining optimal power output.

Forward Looking Statements This announcement contains 'forward-looking information' that is based on the Company's expectations, estimates and projections as of the date on which the statements were made. This forward-looking information includes, among other things, statements with respect to the Company's business strategy, plans, development, objectives, performance, outlook, growth, cash flow, projections, targets and expectations and related expenses. Generally, this forward-looking information can be identified by the use of forward-looking terminology such as 'outlook', 'ambition', 'anticipate', 'project', 'target', 'potential', 'likely', 'believe', 'estimate', 'expect', 'intend', 'may', 'mission', 'would', 'could', 'should', 'scheduled', 'will', 'plan', 'forecast', 'evolve' and similar expressions. Persons reading this announcement are cautioned that such statements are only predictions, and that the Company's actual future results or performance may be materially different. Forward-looking information is subject to known and unknown risks, uncertainties and other factors that may cause the Company's actual results, level of activity, performance, or achievements to be materially different from those expressed or implied by such forward looking information.