



STRATEGIC RESEARCH PARTNERSHIP WITH MACQUARIE UNIVERSITY TO ACCELERATE DEVELOPMENT OF EXCLUSIVE NANOSENSOR TECHNOLOGY

2 June 2026

HIGHLIGHTS

- Simble establishes strategic research collaboration with Macquarie University to accelerate development of Nanosensor Technology.
- Co-funded program enhances capital efficiency while leveraging Macquarie University's research expertise and infrastructure, and builds on Simble's previously announced exclusive licence for the technology.
- Collaboration will initially focus on development of Nanosensor Technology for e-skin applications for next generation soft robotics, UV dosimetry and health monitoring, with a pathway to work with Macquarie on the numerous other potential applications of the technology across multiple sectors, including in safety monitoring, environmental protection, wearable devices and infrastructure monitoring.
- In addition, the Company is also working on integrating the Technology into Simble's existing SimbleSense and CarbonView platforms, reducing reliance on third party hardware and providing cross selling opportunities into the rapidly expanding global IoT sensors market.

Simble Solutions Ltd (ASX: SIS) (**Simble** or the **Company**) is pleased to announce that it has entered into research collaboration agreements with Macquarie University (**Macquarie**) to jointly develop the novel ultraviolet and environmental nanosensor technology invented at Macquarie.

The collaboration builds on Simble's recent acquisition of Next Nano Pty Ltd¹, which holds an exclusive licence from Macquarie to develop and commercialise the Technology.

STRATEGIC VALUE FOR SIMBLE

The Company is positioned to capture significant value from this breakthrough collaboration. The partnership will have an initial focus on e-skin applications, but provides a pathway to further collaborate with the university to unlock multiple high-growth market opportunities while accelerating platform expansion, as well as development of products to integrate with Simble's existing SimbleSense and CarbonView platforms.

¹ Refer to ASX announcement dated 29 December 2025

Under the collaboration, two PhD graduates will be engaged for a two-year period, under the supervision of the Chief Investigator at Macquarie, Professor Noushin Nasiri, to advance development of the Technology. Costs of the graduates will be jointly funded by Macquarie and Simble, and Simble will contribute an additional \$288,000 towards project related costs over the 2 year term.

The collaboration will initially focus on development of the Technology for e-skin applications for soft robotics, UV dosimetry, and health monitoring, with a pathway to fast tracking the development of the Technology for different applications across multiple sectors.

Any improvements to the Technology arising from the collaboration will be owned by Macquarie University, with Simble retaining exclusive rights to commercialise such improvements under its existing licence agreement

ADVANCED NANOSENSOR TECHNOLOGY

As detailed in the Company's 29 December 2025 ASX announcement, the Nanosensor Technology, based on a semi-conductive 3D zinc oxide nanostructure architecture, addresses key limitations of conventional sensing hardware through:

- **High sensitivity** for environmental and optical sensing applications
- **Sub-millimetre scale** form factor enabling seamless device integration
- **Ultra-low power** consumption suitable for battery-powered IoT deployments
- **Flexible integration** into existing devices, equipment, and wearable systems



Figure 1: Nanosensor strip demonstrating pathways to device integration and scalable form factors such as E-skin applications



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Nanosensors serve as a low-power, compact data layer that transforms devices into always-on monitoring systems generating continuous, high-resolution data that enables real-time alerts, trend analytics, and auditable reporting across multiple platforms.

In addition, the Technology can be developed for application across several pathways including:

- **Wearable Safety Devices:** E-skin technology provides comfortable, continuous workplace safety monitoring for hazardous environments
- **Industrial Process Optimization:** Real-time monitoring of chemical processes and equipment health supporting Industry 4.0 initiatives
- **Safety and Environmental Monitoring Applications:** Persistent, low-power detection across chemical environments for workplace safety, facility monitoring, and environmental protection

This announcement has been authorised for release by the Board of Simble Solutions Ltd.

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SimbleSense



CarbonView



SimbleAcademy



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About Simble

Simble Solutions Limited (ASX:SIS) is a global Energy and Sustainability provider with integrated solutions across energy efficiency, sustainability and renewable energy development, supporting the global transition to Net Zero.

Simble operates across two integrated pillars: energy and sustainability software with training, and renewable energy development. Its SimbleSense and CarbonView platforms deliver real-time energy intelligence, carbon tracking, and enterprise-grade reporting to help organisations cut emissions and optimise energy use, while SimbleAcademy provides industry-relevant training in carbon accounting, energy management, and ESG to build Net Zero capability. Complementing this, Simble develops bankable solar and battery projects, supporting Australia's transition to a scalable, low-carbon energy system.

Simble operates across the Commercial & Industrial and Medium Sized Enterprise segments across Australia and the United Kingdom. We distribute our solutions directly via B2B sales, as well as through multiple channel partners. Simble has an international presence with teams in Australia, the United Kingdom and Vietnam.

To learn more please visit us at:

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