

17 October 2025

ASX:14D

COMMERCIALISATION PLAN UNDERWAY FOR SiNTL BATTERY MATERIALS**Highlights**

- Commercialisation activities for the SiNTL aluminium-coated silicon nanoparticle technology now underway following execution of the exclusive global licence with the George Washington University
- Collaboration with GW continuing to support fabrication and optimisation of SiNTL samples ahead of OEM engagement
- SiNTL follows a low-cost, low temperature (125 -180°C), scalable synthesis process delivering ~10× higher theoretical capacity than graphite anodes and the potential for greater energy density, faster charging and longer cycle life
- Carbon produced by 1414 Degrees SiPHyR® reactors is being evaluated by GW for potential use in battery anodes, supporting the Company's aim to capture maximum value across the supply chain
- Capital raised from the recent strongly supported Placement allocated to SiNTL development and commercialisation activities

1414 Degrees Ltd (ASX: **14D**) ("**1414 Degrees**" or the "**Company**") advises that it has commenced detailed commercialisation planning for the SiNTL aluminium-coated silicon nanoparticle technology following acquisition¹ of the exclusive global licence agreement with the George Washington University (GW).

Work is underway with GW to fabricate SiNTL samples and refine the synthesis process ahead of engagement with Original Equipment Manufacturers (OEMs). In parallel, the Company is assessing the potential to establish in-house anode material manufacturing capabilities, maintaining strategic flexibility to pursue either OEM partnerships or direct production — whichever pathway delivers the strongest long-term value.

This dual-track approach provides strategic flexibility as global demand for advanced silicon-anode materials accelerates. SiNTL's low-temperature, one-pot aluminium-coating process offers a simple, scalable route to high-performance, ESG-aligned battery materials compatible with existing production infrastructure. Evaluation of carbon produced by the Company's SiPHyR™ reactors for use in battery anodes further strengthens its opportunity to participate across the full value chain.

Funds from the Company's recent strongly supported Placement are being directed toward SiNTL development activities and commercialisation planning.

Executive Chairman Dr Kevin Moriarty commented:

"We're progressing rapidly to bring SiNTL to market. Our collaboration with GW ensures we have continued access to the technology's inventors and specialist know-how while we evaluate both OEM integration and potential in-house production. This flexibility means that whichever route we choose, we'll be ready to move quickly and capture maximum value for shareholders. We see this as the foundation of a long-term battery materials capability for Australia."

Further updates will be provided as sample fabrication advances and commercialisation planning milestones are achieved.

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Dr Kevin Moriarty, Executive Chairman on behalf of the Board of Directors

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ABOUT 1414 DEGREES LIMITED

1414 Degrees is a leader in industrial decarbonisation with its cutting-edge silicon-based solutions, enabling the alignment of energy supply with demand, fostering the widespread adoption of renewable energy. Our key technologies include:

¹ ASX Announcement 9 October 2025 ACQUISITION OF EXCLUSIVE GLOBAL LICENCE FOR BREAKTHROUGH SILICON NANOPARTICLE (SiNTL) TECHNOLOGY & \$1.214m PLACEMENT

SiBrick®: thermal energy storage technology safely and efficiently stores renewable electricity as latent heat, available for use on demand.

SiBox®: facilitates the transition to sustainable industrial processes, SiBox delivers consistent, high-temperature heat. It can be seamlessly retrofitted into heavy industry processes, offering a viable alternative to conventional energy sources.

SiPHyR®: methane pyrolysis reactor with integrated storage. SiPHyR will produce low-emission hydrogen and solid carbon using renewable energy sources.

SiNTL™: a novel silicon nanoparticle material for next-generation battery anodes

1414 Degrees has showcased its capabilities through successful pilot projects that highlight the reliability and effectiveness of its solutions. SiBox has proven its ability to deliver high-temperature air or steam on demand from stored heat. The development of SiPHyR underscores our commitment to innovation and sustainability.

In 2019 the Company made the strategic purchase of the Aurora Energy Project (AEP) located near Port Augusta, South Australia. The project is a long-term renewable energy initiative to deliver reliable electricity to the region and National Electricity Market. The AEP has approval for 14D to pilot and demonstrate a large commercial scale version of the SiBox technology.

For more information, please visit www.1414degrees.com.au

Forward-looking statements

This announcement includes forward-looking statements which may be identified by words such as 'anticipates', 'believes', 'expects', 'intends', 'may', 'will', 'could', or 'should' and other similar words that involve risks and uncertainties. These forward-looking statements are based on the 1414 Degrees' expectations and beliefs concerning future events as at the date of this announcement. Forward-looking statements are necessarily subject to risks, uncertainties and other factors, many of which are outside the control of 1414 Degrees, which could cause actual results to differ materially from such statements. 1414 Degrees makes no undertaking to update or revise the forward-looking statements made in this announcement to reflect any change in circumstances or events after the date of this announcement.