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ASX: 14D

1414 DEGREES SIGNS 1 GIGAWATT AI DATA CENTRE AGREEMENT, ENTERS DRONE, AEROSPACE & SATELLITE MARKETS, SECURES \$8.45M FUNDING

Quarterly 4C Activities & Cashflow Report - Quarter Ended 30 June 2026

Investment Highlights

- **ENTERS DATA CENTRE MARKET:** Signed a Heads of Agreement with an Australian data centre operator for a proposed staged development of up to 1 Gigawatt (GW) of AI data centre infrastructure at Aurora, with an initial 40-hectare parcel under exclusivity
- **AEROSPACE AND DEFENCE DIVISION ESTABLISHED:** Advised by a board of industry experts, focused on developing commercial opportunities for 14D's SiNTL™ battery technology across drone, UAV and aerospace applications, spanning commercial, government and military markets
- **ENTERS UKRAINE DRONE MARKET:** Signed a battery evaluation agreement with Ukrainian Government-approved defence manufacturer Enerгия 2000 (which manufactures 72,000 military drones per year) to test SiNTL across drone and UAV platforms
- **ENTERS EUROPEAN SATELLITE MARKET:** Entered a testing and commercialisation agreement with European space technology company Orbit Boy to evaluate SiNTL for satellites, rockets and defence applications, as well as introduce European satellite manufacturers to 14D
- **SiNTL SELECTED FOR SPACE LAUNCH VEHICLES:** Orbit Boy selected SiNTL as the primary energy storage candidate for its proposed defence space launch vehicles and ARCap satellite servicing module, subject to successful completion of the testing program
- **AURORA NEARS COMMERCIALISATION:** Aurora's approved 140 MW / 280 MWh Stage 1 BESS completed the technical requirements to progress to commercial transmission access negotiations with ElectraNet
- **EARLY REVENUE POTENTIAL:** Identified a faster, lower cost 33kV pathway to bring earlier commercial activity to Aurora ahead of the Company's 275kV transmission connection
- **SiNTL POWER CAPACITY CONTINUES TO INCREASE:** Subsequent to quarter end, SiNTL cells exceeded 550 mAh/g across all tested configurations, with optimised formulations recording above 600 mAh/g on initial cycles. This is circa 60% higher power capacity than traditional graphite anode based batteries
- **SIPHYR® COMMERCIALISATION TEAM ESTABLISHED:** Dedicated commercial team established to progress SiPhyR market entry strategy, as fabrication of first prototype reactor advances toward commissioning by the end of 2026

- **FUNDED FOR GROWTH:** Secured firm commitments for \$8.45 million via a placement at \$0.10 per share, cornerstoned by Tribeca Investment Partners. Additionally, subsequent to quarter end, the Company received \$2 million from the exercise of 14DOA options. 14D has 276 million in-the-money 14DOA options on issue, which if fully exercised, would deliver an additional \$13.8 million cash funding to the Company.

1414 Degrees Ltd (ASX: 14D) ("1414 Degrees" the "Company") is pleased to provide its Appendix 4C Activities and Cashflow report for the period ended 30 June 2026 (Q4 FY26).

Executive Summary

The June quarter was one of the busiest in the Company's recent history, with 1414 Degrees strengthening its balance sheet, signing a potential anchor customer for Aurora, and inking agreements to move SiNTL out of the laboratory and into the hands of three independent parties for testing.

The Company secured firm commitments for \$8.45 million before costs, cornerstoned by Tribeca Investment Partners, and followed subsequent to quarter end by \$2 million in proceeds from 14DOA option exercises, with a further \$13.8 million available should the Company's remaining in-the-money options be fully exercised.

At the Aurora Energy Precinct (Aurora), the Company signed a Heads of Agreement with an Australian data centre developer for a proposed staged development of up to 1 GW of AI infrastructure and separately identified a 33kV connection pathway that could bring commercial activity to generate revenue on the precinct well ahead of the 275kV transmission build. Together, these position Aurora with a major long-term anchor opportunity and a nearer-term route to revenue.

Technology commercialisation saw the Company establishing an Aerospace and Defence Division and entering evaluation agreements with Energia 2000 (Ukraine) and Orbit Boy (Italy) to test SiNTL-based batteries in drone, satellite and defence launch applications. Orbit Boy has since named SiNTL its primary candidate for planned defence launch vehicles, subject to successful completion of the testing program. Subsequent to quarter end, SiNTL cells exceeded 550 mAh/g across all configurations, with the best formulations above 600 mAh/g.

The Company's industrial decarbonisation technologies, SiBox and SiPhyR, continued to progress through active commercial tendering and reactor development respectively.

Commenting, Executive Chairman Dr Kevin Moriarty said:

"The June quarter gave us the balance sheet and the commercial momentum to realise the revenue potential of our technology and our Aurora project. The \$8.45 million raise means we can fund SiNTL scale-up alongside the Energia 2000 and Orbit Boy programs at the same time, instead of waiting our turn, and the Heads of Agreement at Aurora gives us a credible pathway to a gigawatt-scale customer while the 33kV connection lets us start generating value from the precinct much sooner than the transmission build alone would allow."

"What I find most encouraging is that SiNTL is no longer just a set of good numbers in our own lab. We now have agreements in place for Energia 2000 and Orbit Boy to test it independently in drone and space applications once we can supply scaled material. That is a different stage of maturity for this Company, and one we intend to keep building on."

ADVANCED BATTERY MATERIALS

SiNTL™ is 1414 Degrees' aluminium-coated silicon nanoparticle technology, developed under an exclusive global licence from The George Washington University. Silicon holds far more energy than the graphite used in most lithium-ion battery anodes today, but it swells and degrades quickly during charging, which is why it hasn't replaced graphite at scale. SiNTL's aluminium coating is designed to control that swelling while improving conductivity, with the aim of a material that can be dropped into existing battery manufacturing lines rather than requiring new factories.

Drone and UAV market focus

Drones and UAVs were identified in April as SiNTL's initial target market, since flight time and payload are highly sensitive to battery weight and capacity. During the quarter, SiNTL test cells exceeded 550 mAh/g against roughly 372 mAh/g for graphite, with formulation and cycle-life testing continuing across different operating conditions and duty cycles.

SiNTL performance milestone

SiNTL has an initial target of 600 mAh/g - which is over 50% higher than conventional graphite anodes, as well as around 20% above current commercial silicon-enhanced anode benchmarks. SiNTL cells have exceeded 550 mAh/g across all configurations, with peak results above 600 mAh/g on initial cycles and stabilised performance above 550 mAh/g at higher rates.

Scale-up and full-cell development

In May, the Company began scale-up, funding new facilities at George Washington University to produce larger, more consistent quantities of SiNTL material for third-party evaluation and full-cell development.

Engagement also began with contract battery manufacturers to build complete cells for testing in drones, UAVs, satellites and robotics, expected to give more representative performance data than laboratory testing.

The production process has demonstrated approximately 97% yield at lab scale using a low-temperature, single-step method that avoids hazardous gases, and the Company is working to prove it at commercial scale.

Aerospace and Defence Division established

During the quarter, the Company established an Aerospace and Defence Division and appointed industry experts to an Advisory Board to guide SiNTL's entry into defence and space markets, positioning the Company to pursue application-specific testing and commercial relationships across drone, satellite and launch vehicle platforms.

Energia 2000 agreement

In June, the Company entered a battery evaluation agreement with Ukrainian Government-approved defence manufacturer Energia 2000, supported by Trecenta Systems as program supervisor and guarantor.

The program will test SiNTL across multiple UAV platforms through six staged milestones extending to operational field testing. Energia 2000 has reported that it currently produces approximately 72,000 drones annually, and intends to increase production, potentially a major market for SiNTL.

Orbit Boy agreement

The Company also entered a testing and commercialisation agreement with Italian space technology company Orbit Boy to evaluate SiNTL for satellites, launch systems and space applications.

Testing will proceed through six milestone-gated stages, from laboratory validation through to potential in-orbit testing.

Expanded defence application

Subsequent to quarter end, Orbit Boy advised that SiNTL had been selected as the primary energy storage candidate for its planned defence launch vehicles and its ARCap satellite servicing module. This selection does not constitute qualification or adoption and requires successful completion of the testing program.

AURORA ENERGY PRECINCT

Aurora is 1414 Degrees' 15.8 km² development site near Port Augusta, South Australia, one of the largest development-ready energy precincts of its kind in the country. It combines grid access, development approvals, and water and fibre infrastructure in one location, and is designed to host renewable generation, battery storage and energy-intensive tenants such as data centres side by side. The precinct is the Company's clearest near-term pathway to infrastructure revenue, separate from its technology development.

Faster pathway to commercial development

During the quarter the Company announced that Aurora's existing 33kV infrastructure provides an opportunity to accelerate commercial activity ahead of higher-capacity transmission development.

The staged development pathway allows Aurora to support commercial-scale electricity demand using existing network infrastructure while preserving future expansion capacity as larger transmission infrastructure becomes available.

This approach expands the range of potential customers capable of establishing operations at Aurora, including modular data centres, heavy vehicle charging infrastructure and other energy-intensive industries requiring medium-scale electricity supply.

The Company believes this staged development strategy enhances Aurora's commercial flexibility while reducing development risk and potentially bringing forward revenue-generating opportunities.

AI data centre partnership establishes a new commercial pathway

Following the end of the quarter, the Company announced the execution of a Heads of Agreement with an Australian data centre operator to develop up to 1 GW of AI data centre infrastructure within the Aurora Energy Precinct.

The proposed development is a staged pathway beginning with an 17 MW campus supplied via a 33kV network connection with PV and BESS on the west side, expanding to an approximately 200 MW anchor campus following construction of the proposed 275kV transmission connection on the east side, with a longer-term pathway towards gigawatt-scale deployment.

The agreement grants the operator exclusivity over an initial 40-hectare development parcel while definitive commercial agreements are negotiated.

The proposed development aligns with the Company's long-term vision of Aurora as a multi-use energy precinct supporting renewable generation, battery storage, industrial energy users and digital infrastructure.

Stage 1 BESS progresses to transmission negotiations

Aurora's approved 140 MW / 280 MWh Stage 1 BESS completed technical requirements to progress to commercial transmission access negotiations with ElectraNet, following acceptance of Generator Performance Standards by AEMO and ElectraNet.

The next step is negotiation of a Transmission Connection Agreement, subject to commercial terms and approvals. On completion, the BESS can connect to the 275kV transmission line on Aurora's eastern boundary, providing access to the National Electricity Market via Port Augusta.

The Stage 1 BESS is intended to anchor the broader precinct, supporting future renewable generation, storage and industrial development.

Aurora continues to evolve as a strategic energy precinct

Aurora is one of Australia's most strategically positioned energy development sites.

The 1,580-hectare precinct benefits from existing transmission infrastructure, distribution network access, telecommunications connectivity on both sides, water infrastructure, development approvals and proximity to major transport corridors.

The Company continues to engage with prospective customers and infrastructure partners regarding opportunities across renewable generation, battery energy storage, AI infrastructure and other energy-intensive developments.

INDUSTRIAL DECARBONISATION

SiBox and SiPHyR are 1414 Degrees' technologies for cutting emissions from heavy industry, a sector that is hard to electrify directly because it needs very high, controllable heat rather than just power. SiBox safely stores cheap renewable electricity as heat and releases it on demand; SiPHyR splits methane into hydrogen and solid carbon. Both technologies are being marketed to industrial customers under pressure to decarbonise but unable to do so with batteries or solar panels alone.

SiBox® commercial engagement

Commercial engagement for the Company's SiBox industrial thermal energy storage technology continued during the quarter.

The Company responded to a number of customer and industry enquiries and participated in tender and project evaluation processes concerning the supply of high-temperature industrial heat.

These opportunities cover a range of potential applications and project structures but remain subject to commercial confidentiality. The Company is therefore not presently able to identify the counterparties, project locations, technical configurations or potential contract values.

Tender participation and customer enquiry do not guarantee that a project will proceed or that the Company will be selected as a supplier. Industrial projects typically involve extended technical assessment, procurement, approval and financial processes.

The level of engagement nevertheless indicates continuing interest in technologies that could allow industrial users to replace or reduce fossil-fuel consumption while retaining controllable, high-temperature process heat.

The Company continues to consider both direct equipment supply and Heat-as-a-Service structures. A Heat-as-a-Service (HaaS) model may reduce the need for customers to fund and operate energy infrastructure directly, while potentially providing 1414 Degrees with a recurring revenue model. HaaS increases the revenue potential from electricity pricing arbitrage in the national electricity market, leveraging the SiBox technology component.

SiPHyR® hydrogen and carbon platform

The standout development for SiPHyR this quarter was the establishment of a dedicated commercial team, tasked with identifying the best market entry strategy for the hydrogen, solid carbon and hydrogen/natural gas blends a SiPHyR unit can produce. That work is running in parallel with the build of the first prototype reactor, which is on track for commissioning by the end of 2026 and will demonstrate the technology at TRL 5.

SiPHyR is a silicon-based methane pyrolysis reactor which integrates 1414 Degrees' SiBrick thermal storage media to produce low-emissions hydrogen and solid carbon using renewable energy sources. It is intended to substantially reduce the cost of hydrogen production without carbon dioxide emissions. Development during the quarter was funded by grants from Woodside Energy Technologies and the Australian Government.

During the quarter, 14D completed the de-risking work covering reactor design, carbon collection and fine-tuning of the pyrolysis reactor's operating envelope. Detailed design of the prototype SiPHyR unit is now complete and fabrication is well underway.

The prototype is designed to process approximately 50 tonnes per annum of natural gas, with built-in flexibility to service a wide range of industries, from simple gas substitution through to alternative fuels and fertiliser manufacturing.

In parallel, the Company continues to investigate whether SiPHyR-derived carbon may be suitable for silicon-carbon battery anode materials. Carbon-enhanced formulations are being evaluated within the SiNTL development program to improve the conductivity and rate performance of silicon-based anodes. If successful, this could open a higher-value pathway for the carbon co-product and strengthen the link between the Company's hydrogen and battery materials technologies.

Separately, 1414 Degrees and the Australian National University executed a research collaboration agreement during the quarter under an ARENA-funded program, pairing hydrogen storage with ground-source energy, aiming to develop more efficient, lower-cost storage of hydrogen for renewable energy applications.

CORPORATE

\$8.45 million placement

On 23 June 2026, the Company announced firm commitments to raise \$8.45 million before costs through a placement to sophisticated, professional and institutional investors.

The placement included cornerstone participation from Tribeca Investment Partners and was priced at \$0.10 per share.

The funds are intended to provide financial flexibility to progress several development and commercial workstreams, including:

- SiNTL scale-up and production of material for testing and potential OEM engagement;
- the Energia 2000 drone and UAV evaluation program;
- the Orbit Boy space and defence testing program;
- assessment of additional opportunities in defence, aerospace, robotics and autonomous systems;
- progression of Aurora's approved BESS and data centre opportunities; and
- continued development of the Company's integrated silicon technology platform.

Subsequent to quarter end, the Company received \$2 million from the exercise of 14DOA options. The Company has 276 million in-the-money 14DOA options on issue, which, if fully exercised, would deliver an additional \$13.8 million in cash funding to the Company. There is no assurance that option holders will exercise their options, and the timing and extent of any future exercises remains outside the Company's control.

Cashflow

As at 30 June 2026 (end-Q4 FY26), 1414 Degrees held \$1.758 million cash, an increase of \$1.207 million from the previous quarter.

As required by ASX Listing Rule 4.7C3, the Company notes that \$99,000 was paid to related parties during the quarter. These payments were directors' fees.

OUTLOOK

The Company enters the new financial year with increased commercial activity across its portfolio and a strengthened funding position.

Near-term priorities include:

- installing and commissioning SiNTL scale-up equipment at George Washington University;
- producing larger and more consistent quantities of SiNTL material for full-cell development and third-party evaluation;
- progressing the staged Energia 2000 and Orbit Boy testing programs, subject to satisfaction of applicable milestones;
- continuing SiNTL formulation optimisation, rate testing and cycle-life validation;

- progressing commercial negotiations under the Aurora data centre Heads of Agreement;
- advancing an early 33kV development pathway with relevant network and project stakeholders;
- continuing negotiations for the Stage 1 BESS transmission connection and associated commercial arrangements;
- progressing confidential SiBox customer enquiries, tenders and project evaluations;
- continuing SiPHyR reactor build and catalyst development; and
- evaluating the potential integration of SiPHyR-derived carbon into future SiNTL anode materials.

The Company expects to provide further updates when material technical, commercial or corporate milestones are achieved.

AUTHORISED BY:

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ABOUT 1414 DEGREES LIMITED

1414 Degrees (ASX:14D) is advancing an integrated clean-energy and industrial decarbonisation platform spanning grid-scale storage, industrial heat, hydrogen and advanced battery materials.

The Company's strategy combines near-term infrastructure revenue with scalable technology commercialisation, underpinned by deep expertise in energy-dense silicon systems and materials engineering. 1414 Degrees owns the Aurora Energy Precinct in South Australia, a development-ready energy and industrial site spanning 16km² within the Upper Spencer Gulf Renewable Energy Zone. Aurora is designed for firm renewable electricity and co-located high-demand users, with grid access, development approvals and proximity to fibre infrastructure supporting global connectivity. The site is strategically positioned to support data centre operators and other energy-intensive industries requiring reliable, low-emissions power at scale. The Stage 1 140 MW / 280 MWh Battery Energy Storage System (BESS) represents a near-term revenue opportunity, with expansion potential aligned to customer demand.

Core Platforms:

SiBrick®: Silicon-based thermal energy storage media forming the foundation of the Company's long-duration energy storage systems.

SiBox® (Industrial Heat-as-a-Service): Long duration energy storage technology that converts low-cost renewable electricity into dispatchable high-temperature heat, supporting industrial decarbonisation across energy-intensive sectors.

SiPHyR®: A silicon-based methane pyrolysis reactor integrating thermal storage to produce low-emissions hydrogen and solid carbon using renewable energy sources.

SiNTL™: A silicon-enhanced anode material designed to increase lithium-ion battery energy density while remaining compatible with existing manufacturing processes.

1414 Degrees' technologies are unified by a single materials platform — leveraging silicon to store, convert and enhance energy across multiple sectors.

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.