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ASX Announcement

29 October 2025

1414 Degrees Limited (ASX:14D)

1414 DEGREES PROGRESSES DEVELOPMENT STRATEGY AND ACQUIRES LICENCE FOR INNOVATIVE SINTL NANOPARTICLE TECHNOLOGY

Quarterly 4C Activities & Cashflow Report - Quarter Ended 30 September 2025

Investment Highlights

- All technical milestones for SiBox® Development Agreement with Woodside successfully completed
- With these milestones completed, 1414 Degrees retains complete control and ownership of SiBox IP; a continuing commercial relationship with Woodside remains in place
- Two types of SiBrick® storage media advanced toward mass production
- Exclusive global licence for the patented SiNTL™ aluminium-coated silicon nanoparticle technology acquired post quarter's end
- A SiNTL development and commercialisation strategy is already in motion, including an integration of the SiNTL and SiPHyR® technologies, targeting high-value battery materials
- 1414 Degrees completed a placement to existing shareholders and new investors, raising $1.214m (before costs), also post quarter's end
- Proceeds from the placement will fund work bringing the Aurora BESS Project to a commercial close, and development plans for the recently acquired SiNTL technology

1414 Degrees Ltd (ASX: **14D**) ("**1414 Degrees**" or the "**Company**") is pleased to announce its Appendix 4C Activities and Cashflow report for the period ended 30 September 2025 (Q1 FY26).

Commenting on the Company's progress across its key development programs, Executive Chair Dr Kevin Moriarty said:

> "I am extremely proud of both our team's accomplishments over the September 2025 quarter and the additional growth initiatives they have set in motion since quarter end.
>
> During the period we advanced development plans for our SiBox and SiBrick technologies. Having achieved all technical milestones under the SiBox Development Agreement with Woodside Energy Technologies, Woodside has chosen to retain a licence to the technology and continue its commercial relationship with 1414 Degrees for development of the SiPHyR hydrogen and carbon capture technology. Importantly, this allows the Company to retain full control and ownership of SiBox and its associated IP. We also made strong progress towards mass production of two types of SiBrick storage media.
>
> Soon after quarter end, your Company added a new stream to its development strategy, with the acquisition of the exclusive global licence for the SiNTL aluminium-coated silicon nanoparticle technology, developed at the George Washington University for lithium-ion battery anodes. We're excited by SiNTL's potential to lower anode handling and integration costs while improving battery charge capacity and cycle life.

More broadly, we are firmly of the view that early commercialisation of the SiNTL acquisition will add to the inherent value in 1414 Degrees' existing product portfolio. SiNTL also gives us leverage to the high-performance batteries segment, which has applications across multiple 'new' industrial sectors including EVs and renewable energy infrastructure.

I am also pleased to say that the investor community also sees the potential upside in our plans to commercialise the recently acquired SiNTL technology, with the capital raise accompanying the acquisition supported by new and existing shareholders.

Looking ahead, we expect to provide regular updates as we progress the development and commercialisation of our innovative technologies, which will demonstrate the competitive advantages we can offer over alternatives currently in the market."

Operational Achievements

1414 Degrees Retains Full SiBox Value Post Successful Collaboration with Woodside

In September 2025, 1414 Degrees announced the successful completion of all technical milestones under the SiBox Development Agreement with Woodside Energy Technologies Pty Ltd (Woodside) (see ASX announcement dated 9 September 2025).

Following the delivery of these milestones, the Company has retained full control and ownership of all SiBox intellectual property (IP). This ensures that 1414 Degrees is free to pursue SiBox-related partnerships, customers and commercialisation pathways, in the process preserving the full potential upside of the technology for the Company and its shareholders.

Importantly, 1414 Degrees continues a working relationship with Woodside in the wake of the collaboration milestones being delivered, with the Energy sector major informing the Company of its desire to retain a non-exclusive SiBox licence. This opens the way for Woodside to exploit SiBox technology over time, without converting its funding into equity in a special purpose vehicle and negotiating certain commercial arrangements to support the joint development and commercialisation of SiBox IP.

Separately, 1414 Degrees continues its collaboration with Woodside and other research partners on the development its SiPHyR turquoise hydrogen technology (Storage integrated Pyrolytic Hydrogen Reactor). As previously announced, Woodside committed $1 million to the project, comprising direct funding and the provision of subject matter expertise (see ASX announcement dated 13 June 2024).

SiBrick Storage Media Progressing Toward Mass Production

In September 2025, 1414 Degrees provided an update on its progress towards mass production of SiBrick storage media (see ASX announcement dated 19 September 2025).

Two SiBrick variants, the first melting at 1100°C, the second at 1400°C are advancing towards mass production. Both have maintained their chemical and physical integrity through hundreds of melting-solidification cycles, with further testing taking place ahead of production trials in manufacturing facilities.

In parallel, 1414 Degrees is developing additional SiBrick variants optimised for integration into its SiBox long-duration thermal energy storage systems, which deliver stable heat flows within ±2°C across the 200–900°C operating range.

These results strengthen the pathway to mass production of SiBrick, a critical enabler of 1414 Degrees' Heat-as-a-Service (HaaS) business model and hydrogen technologies, creating scalable revenue opportunities as industry transitions to low-carbon energy.

Figure 1 SiBrick is a latent thermal energy storage solution

Exclusive Global Licence Acquired for Silicon Nanoparticle Technology

Soon after the end of 1414 Degrees' Q1 FY26, the Company announced it had acquired an exclusive global licence for the George Washington University (GW)-developed, patented SiNTL aluminium-coated silicon nanoparticle technology (SiNTL) (see ASX announcement dated 9 October 2025).

This acquisition expands 1414 Degrees' expertise in silicon innovation and extends its reach into battery materials and associated products. Key financial considerations, fees and due diligence costs associated with the acquired licence are included in the 9 October 2025 ASX announcement.

The SiNTL process has the potential to deliver significant advances in lithium-ion battery performance. It produces air- and water-stable nanoparticles with an in-situ aluminium coating that enhances conductivity and oxidation resistance. It is simple, scalable and compatible with existing anode manufacturing lines, potentially offering a competitive advantage over more complex, higher-cost approaches. Key benefits include:

- ~10× higher theoretical capacity than graphite anodes, which could deliver greater energy density, faster charging and longer cycle life
- Low-cost, scalable synthesis attributes - low temperature (125 -180°C), one-pot aluminium coating, no hazardous gases (HF or SiH4) potentially simplifying scale-up and regulatory approvals
- Leverage to a silicon anode battery market segment that is forecast to grow from US$536.5 million in 2025 to US$20.8 billion by 2034[1]
- Potential applications in Electric Vehicles (EVs), Consumer Electronics, Grid & Renewable Energy Storage and Aerospace & Defence market segments

1414 Degrees is targeting an accelerated commercialisation pathway from execution of the SiNTL licence agreement through to sample manufacture and engagement with Original Equipment Manufacturers (OEMs). Subject to successful validation and OEM engagement, this pathway is intended to establish the basis for future revenue generation.

Importantly, SiNTL complements 1414 Degrees' existing proprietary silicon expertise (SiBrick, SiBox, SiPHyR) and expands its platform into the silicon anode battery market.

The Company also sees potential synergies between SiNTL and its Aurora Energy Project, which includes development of a grid-scale Battery Energy Storage System (BESS).

[1] https://www.precedenceresearch.com/silicon-anode-battery-market

SiNTL Development and Commercialisation Strategy Taking Shape

Hot on the heels of 1414 Degrees' acquisition of the SiNTL exclusive global licence agreement, the Company updated investors on the development strategy for this exciting technology (see ASX announcement dated 17 October 2025).

Commercialisation activities for the SiNTL technology are already underway. 1414 Degrees is now working with GW to fabricate SiNTL samples and refine the synthesis process ahead of engagement with 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.

The Company is already formulating plans to advance OEM-ready testing of SiNTL anodes, targeting 500 mAh/g within 3 months and 600 mAh/g within 12 months.

Integration of 1414 Degrees' SiNTL and SiPHyR technologies underway

Also, just after the end of its Q1 FY26, 1414 Degrees highlighted the upside potential from an integration of its SiNTL and SiPHyR technologies, in particular the opportunities it could create to target high-value battery materials (see ASX announcement dated 21 October 2025).

1414 Degrees believes that an integration of the SiNTL and SiPHyR technologies could deliver a single-step pathway to high-performance graphitic anode material for lithium-ion batteries. This because a combination of SiNTL aluminium-coated silicon nanoparticles with carbon from SiPHyR reactors could transform a hydrogen by-product into a high-value battery material - all while reducing production costs.

Commercial agreement on Aurora BESS continues to develop

The Company's team continued engagement with BHP and Electranet on commercial terms to connect to the 275kV transmission line. These are well advanced and expected to be closed in the current quarter.

Stakeholder Engagement & Events

Throughout Q1 FY26, 1414 Degrees participated in several conferences and industry events to share updates on its technologies and engage with key stakeholders, including:

- **The Stock Network's ASX Gems Conference** – Executive Chair Dr Kevin Moriarty presented on 11 July 2025, outlining 1414 Degrees' technology portfolio and commercialisation strategy View presentation here
- **20th Tactic – Connecting Regional Industry Conference & Trade Expo** (Port Augusta, SA) – Development Manager – Hydrogen, Dr Farzad Poursadegh, delivered a presentation on 30 July 2025 highlighting the SiPHyR turquoise hydrogen technology and its potential for regional industrial decarbonisation
- **SIM-PAC Live South Australia** – Dr Mahesh Venkataraman presented on 24 September 2025 as part of the Renewable Energy + Battery Deployment session, focusing on 1414 Degrees' breakthrough SiBox thermal storage technology

- **SA-H2H™ member site visit** – On 25 September 2025, 1414 Degrees hosted members of the SA-H2H Hydrogen Technology Cluster for a guided tour of its facility located in the Tonsley Innovation District

Figure 2 SA Hydrogen Technology Cluster tour group at 1414 Degrees' Tonsley facility

Corporate

Capital raising completed to fund growth initiatives

In early Q2 FY26 1414 Degrees completed a share placement that raised $1.214m (before costs), announced alongside the acquisition of the SiNTL licence (see ASX announcement dated 9 October 2025).

The Company received firm commitments from existing shareholders and new sophisticated, professional and institutional investors to subscribe for fully paid ordinary shares at an issue price of $0.042 per share.

Investors in the placement also became entitled to one free attaching option for every one share subscribed for (1:1), exercisable at $0.05 per option and expiring two years from the issue date. The issue of these options will be subject to shareholder approval at the upcoming FY25 Annual General Meeting on 19 November 2025.

Grant received to advance 1414 Degrees' SiPHyR technology

During Q1 FY26, 1414 Degrees announced that its SiPHyR technology had received an Australian Government-provided Economic Accelerator (AEA) Ignite grant valued at $492,526 (see ASX announcement dated 8 July 2025). The grant will fund catalyst development work on SiPHyR being undertaken by the Universities of Adelaide and Queensland.

Funding arrangement with Lind Global Fund II, LP

Late in 1414 Degrees' Q1 FY26, the Company updated the market on its existing funding arrangements with US institutional investor Lind Global Fund II, LP, an entity managed by New York-based firm, The Lind Partners (see ASX announcement dated 25 September 2025).

Under the agreement, 35,725,278 new ordinary shares were issued to Lind, with a further 14,274,722 shares to be issued subject to Shareholder approval at the FY25 AGM on 19 November 2025.

Cash position

As at 30 September 2025 (end-Q1 FY26), 1414 Degrees held $0.385m in cash, a decrease of $1.5m from the previous quarter that includes the repayment of financing.

This cash balance was subsequently increased by the capital raising undertaken early in 1414 Degrees' Q2 FY26 reporting period, which raised $1.214m (before costs).

As required by ASX Listing Rule 4.7C3, the Company notes that $93,000 was paid to related parties during the quarter. These payments were Directors Fees.

AUTHORISED BY:
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:

- **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™:** produces air- and water-stable nanoparticles with an in-situ aluminium coating that enhances conductivity and oxidation resistance with the potential to deliver significant advances in lithium-ion battery performance.

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.

Appendix 4C

Quarterly cash flow report for entities subject to Listing Rule 4.7B

Name of entity

1414 Degrees Ltd

ABN	**Quarter ended**
57 138 803 620	30 September 2025

Consolidated statement of cash flows		**Current quarter $A'000**	**Year to date (3 months) $A'000**
1.	**Cash flows from operating activities**		
1.1	Receipts from customers		
1.2	Payments for		
	(a) research and development	(458)	(458)
	(b) product manufacturing and operating costs	(8)	(8)
	(c) advertising and marketing	(28)	(28)
	(d) leased assets	(4)	(4)
	(e) staff costs	(452)	(452)
	(f) administration and corporate costs	(634)	(634)
1.3	Dividends received (see note 3)	-	-
1.4	Interest received	6	6
1.5	Interest and other costs of finance paid	(4)	(4)
1.6	Income taxes paid	-	-
1.7	Government grants and tax incentives	217	217
1.8	Other (Project Contributions from Partner)	150	150
1.9	**Net cash from / (used in) operating activities**	**(1,215)**	**(1,215)**

2.	**Cash flows from investing activities**		
2.1	Payments to acquire or for:		
	(a) entities	-	-
	(b) businesses	-	-
	(c) property, plant and equipment	(26)	(26)
	(d) investments	-	-
	(e) intellectual property	-	-

Consolidated statement of cash flows		Current quarter $A'000	Year to date (3 months) $A'000
	(f) other non-current assets	-	-
2.2	Proceeds from disposal of:		
	(a) entities	-	-
	(b) businesses	-	-
	(c) property, plant and equipment	-	-
	(d) investments	-	-
	(e) intellectual property	-	-
	(f) other non-current assets	-	-
2.3	Cash flows from loans to other entities	(150)	(150)
2.4	Dividends received (see note 3)	-	-
2.5	Other (provide details if material)	-	-
2.6	**Net cash from / (used in) investing activities**	**(176)**	**(175)**

3.	**Cash flows from financing activities**		
3.1	Proceeds from issues of equity securities (excluding convertible debt securities)	-	-
3.2	Proceeds from issue of convertible debt securities	-	-
3.3	Proceeds from exercise of options	3	3
3.4	Transaction costs related to issues of equity securities or convertible debt securities	(4)	(4)
3.5	Proceeds from borrowings	238	238
3.6	Repayment of borrowings	(349)	(349)
3.7	Transaction costs related to loans and borrowings	-	-
3.8	Dividends paid	-	-
3.9	Other (provide details if material)	(34)	(34)
3.10	**Net cash from / (used in) financing activities**	**(146)**	**(146)**

4.	**Net increase / (decrease) in cash and cash equivalents for the period**		
4.1	Cash and cash equivalents at beginning of period	1,922	1,922
4.2	Net cash from / (used in) operating activities (item 1.9 above)	(1,215)	(1,215)
4.3	Net cash from / (used in) investing activities (item 2.6 above)	(176)	(176)

Consolidated statement of cash flows		Current quarter $A'000	Year to date (3 months) $A'000
4.4	Net cash from / (used in) financing activities (item 3.10 above)	(146)	(146)
4.5	Effect of movement in exchange rates on cash held	-	-
4.6	**Cash and cash equivalents at end of period**	**385**	**385**

5.	Reconciliation of cash and cash equivalents at the end of the quarter (as shown in the consolidated statement of cash flows) to the related items in the accounts	Current quarter $A'000	Previous quarter $A'000
5.1	Bank balances	385	1,922
5.2	Call deposits	-	-
5.3	Bank overdrafts	-	-
5.4	Other (provide details)	-	-
5.5	**Cash and cash equivalents at end of quarter (should equal item 4.6 above)**	**385**	**1,922**

6.	Payments to related parties of the entity and their associates	Current quarter $A'000
6.1	Aggregate amount of payments to related parties and their associates included in item 1	93
6.2	Aggregate amount of payments to related parties and their associates included in item 2	-

Note: if any amounts are shown in items 6.1 or 6.2, your quarterly activity report must include a description of, and an explanation for, such payments.

7.	**Financing facilities** *Note: the term "facility' includes all forms of financing arrangements available to the entity.* *Add notes as necessary for an understanding of the sources of finance available to the entity.*	**Total facility amount at quarter end $A'000**	**Amount drawn at quarter end $A'000**
7.1	Loan facilities	-	-
7.2	Credit standby arrangements	-	-
7.3	Other (please specify)	-	-
7.4	**Total financing facilities**	-	-

7.5	**Unused financing facilities available at quarter end**	
7.6	Include in the box below a description of each facility above, including the lender, interest rate, maturity date and whether it is secured or unsecured. If any additional financing facilities have been entered into or are proposed to be entered into after quarter end, include a note providing details of those facilities as well.	

8.	**Estimated cash available for future operating activities**	**$A'000**
8.1	Net cash from / (used in) operating activities (item 1.9)	(1,215)
8.2	Cash and cash equivalents at quarter end (item 4.6)	385
8.3	Unused finance facilities available at quarter end (item 7.5)	-
8.4	Total available funding (item 8.2 + item 8.3)	385
8.5	**Estimated quarters of funding available (item 8.4 divided by item 8.1)**	0

Note: if the entity has reported positive net operating cash flows in item 1.9, answer item 8.5 as "N/A". Otherwise, a figure for the estimated quarters of funding available must be included in item 8.5.

8.6 If item 8.5 is less than 2 quarters, please provide answers to the following questions:

8.6.1 Does the entity expect that it will continue to have the current level of net operating cash flows for the time being and, if not, why not?

Answer: The entity expects that the current level of net operating cashflows will reduce. The September outflows were higher than normal and the entity has taken steps to reduce overhead expenditure.

8.6.2 Has the entity taken any steps, or does it propose to take any steps, to raise further cash to fund its operations and, if so, what are those steps and how likely does it believe that they will be successful?

Answer: As announced on 9 October 2025, the company has successfully raised $1.214 million via a placement.

8.6.3 Does the entity expect to be able to continue its operations and to meet its business objectives and, if so, on what basis?

Answer: Yes, the entity expects that it will continue its operations. It has successfully raised $1.214 million via a placement for working capital and to fund its projects. The entity continues to receive significant support from its existing shareholders and new sophisticated, institutional and professional investors. The entity anticipates that any future attempts to raise cash will continue to be successful.

Note: where item 8.5 is less than 2 quarters, all of questions 8.6.1, 8.6.2 and 8.6.3 above must be answered.

Compliance statement

1 This statement has been prepared in accordance with accounting standards and policies which comply with Listing Rule 19.11A.

2 This statement gives a true and fair view of the matters disclosed.

29 October 2025

Date: .....

The Chairman of the Board

Authorised by: .....
(Name of body or officer authorising release – see note 4)

Notes

1. This quarterly cash flow report and the accompanying activity report provide a basis for informing the market about the entity's activities for the past quarter, how they have been financed and the effect this has had on its cash position. An entity that wishes to disclose additional information over and above the minimum required under the Listing Rules is encouraged to do so.

2. If this quarterly cash flow report has been prepared in accordance with Australian Accounting Standards, the definitions in, and provisions of, *AASB 107: Statement of Cash Flows* apply to this report. If this quarterly cash flow report has been prepared in accordance with other accounting standards agreed by ASX pursuant to Listing Rule 19.11A, the corresponding equivalent standard applies to this report.

3. Dividends received may be classified either as cash flows from operating activities or cash flows from investing activities, depending on the accounting policy of the entity.

4. If this report has been authorised for release to the market by your board of directors, you can insert here: "By the board". If it has been authorised for release to the market by a committee of your board of directors, you can insert here: "By the [*name of board committee – eg Audit and Risk Committee*]". If it has been authorised for release to the market by a disclosure committee, you can insert here: "By the Disclosure Committee".

5. If this report has been authorised for release to the market by your board of directors and you wish to hold yourself out as complying with recommendation 4.2 of the ASX Corporate Governance Council's *Corporate Governance Principles and Recommendations*, the board should have received a declaration from its CEO and CFO that, in their opinion, the financial records of the entity have been properly maintained, that this report complies with the appropriate accounting standards and gives a true and fair view of the cash flows of the entity, and that their opinion has been formed on the basis of a sound system of risk management and internal control which is operating effectively.