CLEAN INDUSTRIAL HEAT™



31 July 2025 ASX:14D

# June 2025 Quarterly Activity Report

## Highlights

- Awarded $0.492m AEA Ignite grant to accelerate catalyst development for **Storage Integrated Pyrolytic Hydrogen Reactor** (SiPHyR™) hydrogen technology
- Built and tested Heat-as-a-Service (HaaS) business model for customers
- HaaS has accelerated commercial engagement with industrial and utility customers
- Active participation in domestic and international energy sector forums to build market presence
- Feasibility completed for a 10 MWh SiBox project at NSW factory, targeting staged gas displacement

**1414 Degrees Ltd** (ASX: 14D) ("1414 Degrees", "14D', or the "Company") is pleased to release the following activity report and Appendix 4C for the period ending 30 June 2025.

## Chairman's Letter

Dear Shareholders, followers and collaborators,

Industry is under pressure to decarbonise, but customers are rightly demanding solutions that don't drive up costs or disrupt operations. Our focus this quarter has been on turning that challenge into a clear value proposition.

We've sharpened the commercial focus of our Heat-as-a-Service (HaaS) offering which now aims to give industrial customers predictable, low-emission heat without the capital burden of replacing their own boilers. Our discussions with customers indicate that this focus is resonating strongly, particularly as gas prices rise, carbon constraints tighten, and renewable electricity penetration drives further market volatility.

That volatility is providing a tailwind for HaaS. The rapid deployment of solar across existing grids is creating favourable pricing conditions for energy storage and causing utilities to offer reduced network supply charges for flexible loads like our SiBox® installations. In this context, we've seen growing interest in HaaS as a commercial solution, not just a technical one.

This quarter saw solid progress toward SiBox installations in multiple industries. Our commercial team completed feasibility studies at an east coast manufacturing site and assessed projects in Australia, Asia, and Europe. Our engineering team designed a 10 MWh SiBox for a factory in New South Wales. Financial modelling showed a HaaS contract using this SiBox could reduce the site's emissions by up to 20% and is cheaper than gas. This project could pave the way for much larger gas displacement across that site and others operated by the customer, both in Australia and internationally.

At the same time, we've progressed commercial negotiations for connecting our Aurora Energy Precinct to the high-voltage transmission network, a vital step for unlocking its long-term value. The grid scale battery project advanced to final impact assessment for a connection agreement with the transmission utility.

Meanwhile, our methane pyrolysis technology, SiPHyR, continues to gain validation as a faster, lower-cost way to deliver clean hydrogen and valuable solid carbon to industries that can't electrify. SiPHyR achieved over 70% conversion of methane to hydrogen at 1100°C — a significant milestone. Maintaining these ultra-high temperatures is possible thanks to our SiBrick® silicon phase-change storage, enabling us to harness the lowest-cost electricity to produce affordable hydrogen.

In June 2025, we secured a $492,526 AEA Ignite grant to accelerate catalyst development for SiPHyR. This complements the $2.5 million CRC-P grant already in place and strengthens our position in the emerging

green cement and green steel value chains, both of which require low-cost hydrogen and low-carbon feedstocks to decarbonise core processes.

On behalf of the Board, I thank you for your ongoing support as we continue our strategic path toward commercial scale, real-world impact, and shareholder value.

Dr Kevin Moriarty

Executive Chairman

## OPERATIONAL & STRATEGIC PROGRESS

### HaaS: Unlocking Industrial Demand

Over the June 2025 quarter, 1414 Degrees continued to build momentum behind its Heat-as-a-Service business model. HaaS enables customers to access low-emission heat through a simple energy service contract, avoiding capital outlay and allowing them to focus on their core business.

Key opportunities progressed include:

- A major Australian manufacturer with multiple factories is evaluating a HaaS pilot to electrify high-temperature steam processes, delivering cost savings over gas. A senior-level commitment is targeted in Q3 CY2025.
- Engineering studies were progressed for the proposed first site for an initial 1 MW/10 MWhth SiBox project, including a scalable design and integration planning.
- Feasibility work with a European chemical processor seeking low-emission heat in their global thermal oil and steam systems.
- Collaboration with a regional Australian electricity distributor to identify industrial sites for HaaS to leverage excess renewable energy in their grid and access SiBox loads to reduce network instability.

The recurring revenue potential of HaaS — combining a fixed daily availability charge with a variable supply component — positions 1414 Degrees as a trusted long-term energy partner for industry.

## SiPHyR™ – HYDROGEN & CARBON CO-PRODUCTS

In June 2025, we announced the award of a $492,526 Australia's Economic Accelerator (AEA) Ignite grant to accelerate development of advanced catalysts for SiPHyR. This milestone-based funding complements the Company's existing CRC-P program support, bringing the total Government backing for SiPHyR development to over $3 million.

The SiPHyR platform continues to show its promise as a superior "turquoise hydrogen" solution:

- Faster and cheaper to deploy than green or blue hydrogen
- Able to leverage existing gas pipelines — no need for costly infrastructure overhauls
- Able to generate solid carbon co-products, avoiding $CO_2$ emissions by converting carbon into a useable product and unlocking additional revenue streams

The decarbonisation of cement, steel and alumina production, identified as key hard-to-abate sectors, are particularly exciting opportunities for SiPHyR. Clean hydrogen and carbon-based feedstocks are essential ingredients for the next generation of low-emission building materials — and 1414 Degrees' technology is designed to deliver both.

SiPHyR platform development milestones already achieved include:

- The high-pressure pyrolysis reactor has been commissioned, and design updates are underway to enhance its performance
- A small-scale atmospheric reactor is being used to select a carbon removal strategy for implementation in the SiPHyR reactor
- SiPHyR remains on track as a faster, more cost-effective turquoise hydrogen solution for hard-to-abate industries, leveraging existing gas networks and producing valuable solid carbon.

## INDUSTRY PRESENCE & PROFILE

1414 Degrees reinforced its leadership position in decarbonisation technology through active participation in the following industry and investor forums during the June 2025 quarter:

- Smart Energy 2025 (Sydney)
- SAHy Conference presentation (Farzad Poursadegh)
- LDES Council Roundtable (Sydney)
- SiPHyR Partner Workshop (Adelaide)
- LDES Council Annual Meeting (Copenhagen)

The Company has continued to amplify its market presence subsequent to quarter-end, participating in multiple events, including the TSN ASX Gems Investment Conference and Connecting Hydrogen APAC.

## AURORA ENERGY PRECINCT

Negotiations and planning progressed across multiple workstreams for 1414 Degrees' Aurora Energy Precinct in South Australia. The site is being positioned as a long-term hub for renewable generation, storage, and industrial heat deployment.

A key milestone was achieved with the 140MW / 280MWh grid scale battery project progressing to final impact assessment - a critical step in the connection agreement with the transmission utility. The Company looks forward to updating shareholders on material Aurora Energy Precinct -specific milestones as they are confirmed.

## CORPORATE AND FINANCIAL

As at the end of the June 2025 quarter, the Company held $1.922 million in cash, a decrease of $0.722 million from the previous quarter. As required by ASX Listing Rule 4.7C3, the Company notes that $79,000 was paid to related parties during the quarter. These payments were Directors Fees.

## OUTLOOK

As 1414 Degrees enters the September 2025 quarter, its three clear priorities are to:

- Secure customer commitments for HaaS contracts.
- Advance SiPHyR catalyst development and strategic positioning in hydrogen and carbon-intensive sectors.
- Continue building our pipeline of commercial and demonstration projects to scale revenue streams.

With proven technology, a customer-aligned business model, and a global industrial imperative to decarbonise, 1414 Degrees is positioned for growth.

**AUTHORISED BY:**

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

For investor enquiries or further information, please contact:
info@1414degrees.com.au or +61 8 8357 8273

## 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.

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 1414 Degrees 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 June 2025 |

| **Consolidated statement of cash flows** | | **Current quarter $A'000** | **Year to date (12 months) $A'000** |
|---|---|---|---|
| **1.** | **Cash flows from operating activities** | | |
| 1.1 | Receipts from customers | | |
| 1.2 | Payments for | | |
| | (a) research and development | (394) | (1,000) |
| | (b) product manufacturing and operating costs | - | (20) |
| | (c) advertising and marketing | (64) | (128) |
| | (d) leased assets | (1) | (2) |
| | (e) staff costs | (254) | (1,084) |
| | (f) administration and corporate costs | (183) | (1,980) |
| 1.3 | Dividends received (see note 3) | - | - |
| 1.4 | Interest received | 18 | 48 |
| 1.5 | Interest and other costs of finance paid | (17) | (82) |
| 1.6 | Income taxes paid | - | - |
| 1.7 | Government grants and tax incentives | 304 | 1,968 |
| 1.8 | Other (provide details if material)<br>- Net Partner Project Contributions | 200 | 765 |
| **1.9** | **Net cash from / (used in) operating activities** | **(391)** | **(1,515)** |

| **2.** | **Cash flows from investing activities** | | |
|---|---|---|---|
| 2.1 | Payments to acquire or for: | | |
| | (a) entities | - | - |
| | (b) businesses | - | - |
| | (c) property, plant and equipment | (8) | (81) |
| | (d) investments | - | - |
| | (e) intellectual property | - | - |

| Consolidated statement of cash flows | | Current quarter $A'000 | Year to date (12 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 | (250) | (800) |
| 2.4 | Dividends received (see note 3) | - | - |
| 2.5 | Other (provide details if material) | - | 63 |
| **2.6** | **Net cash from / (used in) investing activities** | **(258)** | **(818)** |

| **3.** | **Cash flows from financing activities** | | |
|---|---|---|---|
| 3.1 | Proceeds from issues of equity securities (excluding convertible debt securities) | 50 | 2,653 |
| 3.2 | Proceeds from issue of convertible debt securities | - | - |
| 3.3 | Proceeds from exercise of options | - | - |
| 3.4 | Transaction costs related to issues of equity securities or convertible debt securities | (3) | (127) |
| 3.5 | Proceeds from borrowings | - | 264 |
| 3.6 | Repayment of borrowings | (82) | (264) |
| 3.7 | Transaction costs related to loans and borrowings | - | - |
| 3.8 | Dividends paid | - | - |
| 3.9 | Other (provide details if material) | (38) | (89) |
| **3.10** | **Net cash from / (used in) financing activities** | **(73)** | **2,437** |

| **4.** | **Net increase / (decrease) in cash and cash equivalents for the period** | | |
|---|---|---|---|
| 4.1 | Cash and cash equivalents at beginning of period | 2,644 | 1,819 |
| 4.2 | Net cash from / (used in) operating activities (item 1.9 above) | (391) | (1,516) |
| 4.3 | Net cash from / (used in) investing activities (item 2.6 above) | (258) | (818) |

| Consolidated statement of cash flows | | Current quarter $A'000 | Year to date (12 months) $A'000 |
|---|---|---|---|
| 4.4 | Net cash from / (used in) financing activities (item 3.10 above) | (73) | 2,437 |
| 4.5 | Effect of movement in exchange rates on cash held | - | - |
| **4.6** | **Cash and cash equivalents at end of period** | **1,922** | **1,922** |

| 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 | 1,922 | 2,644 |
| 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)** | **1,922** | **2,644** |

| 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 | 79 |
| 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**<br>*Note: the term "facility' includes all forms of financing arrangements available to the entity.*<br>*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) | (391) |
| 8.2 | Cash and cash equivalents at quarter end (item 4.6) | 1,922 |
| 8.3 | Unused finance facilities available at quarter end (item 7.5) | - |
| 8.4 | Total available funding (item 8.2 + item 8.3) | 1,922 |
| 8.5 | **Estimated quarters of funding available (item 8.4 divided by item 8.1)** | 5 |

*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:

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:

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:

*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.

31.07.2025

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.