

16 October 2024

## QUARTERLY ACTIVITY REPORT AND APPENDIX 4C

4DS Memory Limited (ASX:4DS) (**4DS**) (the **Company**), is pleased to provide its Quarterly Activity Report and Appendix 4C for the Quarter ended 30 September 2024.

### Technical Update for the September Quarter

4DS made significant progress with the development of the Fifth and Sixth Platform Lots during the September quarter. The Fifth Platform Lot with 60nm memory cells is seeking to optimise and repeat the unique characteristics of the results seen in the Fourth Platform Lot as announced on 23 August 2023.

On the 10 October 2024 the Company informed shareholders the Fifth Platform Lot had been shipped from imec to its facilities in Fremont, USA and analysis would commence immediately upon arrival, which was expected to be 7 to 10 days following the date on the announcement. 4DS is now pleased to inform shareholders that the Fifth Platform Lot arrived earlier than expected and that analysis is underway.

Development of the Sixth Platform Lot comprising 20nm memory cells continues as previously guided and the Company hopes to have these completed by the end of December 2024.

### Investor Relations/Marketing

In the September quarter 4DS attended two major trade shows in Silicon Valley - the Future Memory Summit and the AI Hardware and Edge Computing Conference, both of which showcase emerging companies and technologies in the AI space. 4DS' Chief Strategic Officer Mr Peter Himes also spoke at two industry events: the Edge AI and Vision Alliance Quarterly Member's Meeting and the workshop "Data Centers in a Heterogenous Computing Era" hosted by Zen Launchpad in Vancouver BC. He was also featured on an EE Times podcast "AI with Sally" which released in the September quarter: <https://www.eetimes.com/podcasts/the-memory-that-breathes/>

Peter Himes will also be presenting at the upcoming Semiconductor Australia 2024 conference being held in Sydney on Thursday 24 October 2024. Semiconductor Australia 2024 is Australia's premier investor conference for the semiconductor, quantum, and photonics industry. For further information and tickets go to <https://www.semiconductoraustralia.com/>

Executive Chairman Mr David McAuliffe plans to travel to the USA in the second half of October 2024.

### Financial Review

As of 30 September 2024, the Company held cash of \$6.312 million, compared to \$7.884 million at 30 June 2024. Net cash of \$1.538 million was used in operating activities during the September quarter, which included a contractual payment to imec, compared to \$1.551 million used in the June quarter.

**Listing Rule 4.7.C**

In item 6 of the Appendix 4C cash flow report for the quarter, payments to related parties of approximately \$140k represent salary and superannuation paid to the Executive Chairman and Director fees paid to the Non-Executive Directors, including advisory fees paid to the US based Non-Executive Director and payment to a related party Ignite Communications.

**ENDS**

Authorised for release by the Board.

**4DS Interactive Investor Hub**

If you have any questions on this announcement or any past 4DS announcements, check out our Investor Hub. Like, comment, ask a question and view video summaries on important announcements. Shareholders can link through to the Investor Hub via: [announcements.4dsmemory.com](https://announcements.4dsmemory.com)

**Contact information**

**Investors:** David McAuliffe  
4DS Memory  
Executive Chairman  
+61 408 994 313  
[david@4dsmemory.com](mailto:david@4dsmemory.com)

**About 4DS**

**4DS Memory Limited (ASX: 4DS)**, with facilities located in Silicon Valley, is a semiconductor technology company bringing high bandwidth, high endurance, persistent non-volatile memory to advanced CMOS process nodes. Its technology, known as Interface Switching ReRAM, features tunable persistence and low energy per bit for today's most challenging compute intensive and AI processor applications. Established in 2007, 4DS owns a patented IP portfolio, comprising 34 USA patents, and is the first company to develop PCMO ReRAM, on an advanced CMOS processing node. 4DS has a development agreement with Belgium based imec – a world leading research and innovation hub in nano electronics and digital technologies, as well as a joint development agreement with Western Digital subsidiary HGST, a global leader in storage solutions.

For more information, please visit [www.4dsmemory.com](https://www.4dsmemory.com)

**Disclaimer**

This release contains certain forward-looking statements that are based on the Company's management's beliefs, assumptions and expectations and on information currently available to management. Such forward looking statements involve known and unknown risks, uncertainties, and other factors which may cause the actual results or performance of 4DS to be materially different from the results or performance expressed or implied by such forward looking statements. Such forward looking statements are based on numerous assumptions regarding the Company's present and future business strategies and the political and economic environment in which 4DS will operate in the future, which are subject to change without notice. Past performance is not necessarily a guide to future performance and no representation or warranty is made as to the likelihood of achievement or reasonableness of any forward-looking statements or other forecast. To the full extent permitted by law, 4DS and its directors, officers, employees, advisers, agents and intermediaries disclaim any obligation or undertaking to release any updates or revisions to information to reflect any change in any of the information contained in this release (including, but not limited to, any assumptions or expectations set out in the release).

You should not place undue reliance on these forward- looking statements. Except as required by law or regulation (including the ASX Listing Rules) we undertake no obligation to update these forward- looking statements.

## Appendix 4C

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

**Name of entity**

4DS MEMORY LIMITED (4DS)

**ABN**

43 145 590 110

**Quarter ended ("current quarter")**

30 September 2024

<b>Consolidated statement of cash flows</b>	<b>Current quarter \$A'000</b>	<b>Year to date (3 months) \$A'000</b>
<b>1. Cash flows from operating activities</b>		
1.1 Receipts from customers	-	-
1.2 Payments for		
(a) research and development	(1,250)	(1,250)
(b) business development	(68)	(68)
(c) production	-	-
(d) staff and board remuneration	(71)	(71)
(e) administration and corporate costs	(251)	(251)
1.3 Dividends received (see note 3)	-	-
1.4 Interest received	102	102
1.5 Interest and other costs of finance paid	-	-
1.6 Income taxes paid	-	-
1.7 Government grants and tax incentives	-	-
1.8 Other Income	-	-
<b>1.9 Net cash from / (used in) operating activities</b>	<b>(1,538)</b>	<b>(1,538)</b>

<b>2. Cash flows from investing activities</b>		
2.1 Payments to acquire:		
(a) entities	-	-
(b) businesses	-	-
(c) property, plant and equipment	-	-
(d) investments	-	-
(e) intellectual property	-	-
(f) other non-current assets	-	-

Consolidated statement of cash flows		Current quarter \$A'000	Year to date (3 months) \$A'000
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	-	-
2.4	Dividends received (see note 3)	-	-
2.5	Other (provide details if material)	-	-
<b>2.6</b>	<b>Net cash from / (used in) investing activities</b>	<b>-</b>	<b>-</b>

<b>3.</b>	<b>Cash flows from financing activities</b>		
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	-	-
3.4	Transaction costs related to issues of equity securities or convertible debt securities	-	-
3.5	Proceeds from borrowings (Refer 7.6)	-	-
3.6	Repayment of borrowings (Insurance Premium)	-	-
3.7	Transaction costs related to loans and borrowings	-	-
3.8	Dividends paid	-	-
3.9	Other – lease payments	(35)	(35)
<b>3.10</b>	<b>Net cash from / (used in) financing activities</b>	<b>(35)</b>	<b>(35)</b>

<b>4.</b>	<b>Net increase / (decrease) in cash and cash equivalents for the period</b>		
4.1	Cash and cash equivalents at beginning of period	7,884	7,884
4.2	Net cash (used in) operating activities (item 1.9 above)	(1,538)	(1,538)
4.3	Net cash from / (used in) investing activities (item 2.6 above)	-	-

Consolidated statement of cash flows		Current quarter \$A'000	Year to date (3 months) \$A'000
4.4	Net cash from financing activities (item 3.10 above)	(35)	(35)
4.5	Effect of movement in exchange rates on cash held	1	1
4.6	<b>Cash and cash equivalents at end of period</b>	<b>6,312</b>	<b>6,312</b>

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	342	564
5.2	Call deposits	20	20
5.3	Bank overdrafts	-	-
5.4	Other (term deposits)	5,950	7,300
5.5	<b>Cash and cash equivalents at end of quarter (should equal item 4.6 above)</b>	<b>6,312</b>	<b>7,884</b>

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	140
6.2	Aggregate amount of payments to related parties and their associates included in item 2	-
	- Aggregate amount paid to Executive Chairman (\$56k) including salary, and superannuation and (\$9k) to a related party Ignite Communication.	
	- Aggregate amount paid to Non-Executive Directors (\$75k) including salary and directors' fees.	

**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.*

	<b>Total facility amounts at quarter end \$A'000</b>	<b>Amount drawn at quarter end \$A'000</b>
7.1 Loan facilities	-	-
7.2 Credit standby arrangements	-	-
7.3 Other (Insurance Premium Funding)	-	-
7.4 <b>Total financing facilities</b>	-	-

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.

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<b>8. Estimated cash available for future operating activities</b>	<b>\$A'000</b>
8.1 Net cash from / (used in) operating activities (item 1.9)	1,538
8.2 Cash and cash equivalents at quarter end (item 4.6)	6,312
8.3 Unused finance facilities available at quarter end (item 7.5)	-
8.4 Total available funding (Item 8.2 + item 8.3)	6,312
8.5 <b>Estimated quarters of funding available (item 8.4 divided by item 8.1)</b>	<b>4.10</b>
<i>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.</i>	

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: N/A

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: N/A

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: N/A

*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.

Date: 16 October 2024

Authorised by: The Board of 4DS Memory Limited  
(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.