

Quarterly Activities & Cash Flow Report Period Ended 31 March 2024

Perth, Australia; 30 April 2024 – Orexplore Technologies Limited (ASX: OXT) (“Orexplore” or the “Company”), a technology company focused on transforming Orebody Knowledge (“OBK”) through digitising drill core, is pleased to provide its Quarterly Activities and Cash Flow Report for the quarter ended 31 March 2024. (“Q1FY24”).

Q1 FY24 Highlights

- Total revenue for the quarter of \$591k.
- Development, validation testing, and field-delivery of industry-first, highly automated geotechnical logging solutions for global Tier-1 miner with large addressable market.
- Advanced machine learning geochemistry and mineralogy systems to improve geochemistry and advancing semi-automatic core logging solutions.
- Continuation of commercial testing with Tier 1 gold miners of OXT’s new gold sensing technology.
- Commenced additional Tier-1 customer laboratory commercial engagement.
- Sales pipeline conversion through delivery of commercial laboratory engagements, results presentation and scoping of follow-on projects and deployments.
- Cash balance as at 31 March 2024 of \$1.42 million and no debt – the Company continues to focus on financial discipline and funding opportunities.

Quarter Activities

Operations

Activity during Q1FY24 focussed on the successful delivery and completion of key contracts at BHP’s Carrapateena Mine in South Australia and the Gold Fields Salares Norte (“GFSN”) pilot project undertaken in the Company’s lab facility in Santiago, Chile.

South Australia

At Carrapateena, the on-site scanning component of the current engagement was completed ahead of schedule in February 2024. A total of 3,389m metres of core was digitised during the quarter to take the total core digitised across the project to 14,930 metres.

Orexplore’s multi-disciplinary team of geologists, physicists, engineers and data science specialists were then able to accelerate the development and delivery of data products and solutions to the BHP site and their remote subject matter experts. In addition to the



original project scope, a strong emphasis was placed on the developing geotechnical capabilities of the technology platform, as a high-value group of solutions to the site and potentially broader business.

A collaborative development approach with BHP has resulted in significant advances in Orexplore’s geotechnical capabilities. The final delivery of data products and reports occurred immediately after quarter-end, with the customer evaluating project results. The 3 Geocore X10® units deployed at Carrapateena have been retained on-site by the Customer in March and April on a standby fee basis during this evaluation. Revenue from this key contract which commenced in August 2023 totalled \$1.44 million.

Chile

OXT’s operational focus was on the final stages of the Gold Fields Salares Norte (“GFSN”) pilot project in Chile. Due to constraints related to aspects of the final commissioning of the mine’s plant, the pilot was undertaken at the Company’s laboratory facility in Santiago, instead of the GFSN operational site, as originally planned. Despite the change, digitisation and final project data deliverables were completed during the reporting period.

Overall, 2,970 metres of core was digitised with Orexplore providing exploration related mineralogy, mineral speciation and geochemical data products, with \$447k revenue earned from the contract. An additional technology review occurred examining potential to support geometallurgical solutions once the plant is ramped-up.

During March, the Company commenced an initial core digitisation project with a new US-based Tier-1 metals customer through its Santiago laboratory.

Western Australia

The Perth laboratory completed core digitisation and reporting for a Tier-1 gold producer’s Western Australian operations during the period. The laboratory also undertook commercial digitisation of an African operation for another global Tier-1 gold producer, as a follow-on project from prior deposit digitisation.

Additional scanning to support the testing and development of the Company’s new emerging gold detection technology was also carried out in the Perth lab.

Safe operation remains a Company priority and no safety-related incidents occurred either at site or laboratory-based operations during the quarter.

A high level of mechanical availability was again achieved across the fleet through the period with only minor levels of maintenance required across site and laboratory operations.

Sales and Pipeline

The Orexplore South American team, joined by Dr Stephen Coward (Perth), successfully engaged several prospects at the global PDAC event in Toronto, resulting in commercial projects and scoping with multiple Tier 1 customers in the region.



Australia



Europe



Latin America



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The South American pipeline continues to strengthen through deepening customer engagement and a robust understanding of priority projects, operations focus, technology-fit, and budget schedules. Orexplore’s differentiated geotechnical suite of solutions developed during the period were utilised effectively by the South American sales team to drive deeper engagement and scoping with existing and new targets, and to present to regional recognised geotechnical industry experts.

Australian sales activity advanced several critical minerals opportunities and opportunities with Tier-1 gold miners with Western Australian operations.

Interest and engagement by multiple Tier-1 gold producers in the Company’s emerging gold detection system continued to build during the quarter.

Solution development and adoption

Orexplore developed and delivered an industry-first set of geotechnical solutions during the period. These solutions are directly powered by the technology platform’s unique sensor fusion, whole core volume digitisation through CT scanning, and ML modelling capabilities and are therefore strongly differentiated from competitors. Through delivery into a live site-based deployment and productive collaboration with the site and remote SME customer team, the customer value and Orexplore investment value was validated.

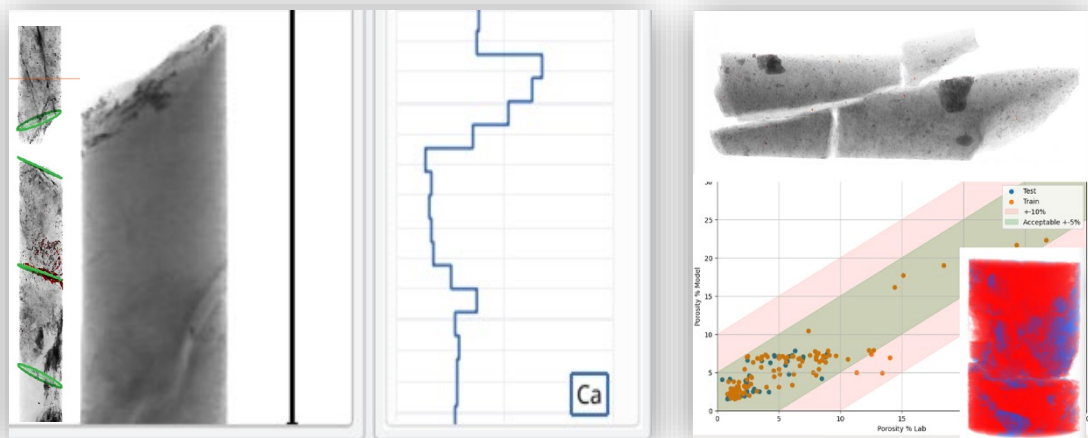


Figure 1 - OXT Geotech, Porosity & Breccia models

Promising results across the UCS strength testing, density, porosity and other models, supported the potential future ability to correlate core digitisation to traditional test work and then roll out “digital tests” at a deposit scale for the first time in the industry.

This suite of solutions was significant in both its breadth and depth of data generation, model creation, independent validation testing and integration into existing systems and user interface through the Company’s Orexplore Insight® platform. This significant amount of development work occurred with co-delivery to site and models and results being made available rapidly from digitised core.

Development work undertaken on the geotechnical suite and associated Orebody Knowledge solutions such as Breccia and Porosity models, represents a significant value-creation investment for the business with the capability to provide these solutions across



Orexplore's customer base.

The addressable market is large as this provides a significant step-change in the way geotechnical logging is undertaken by operational sites through the ability to semi-automate part of the workflows. It also provides substantial customer value through improving mining methods and development such as block caves.

Orexplore's mineralogy capabilities advanced through the period by leveraging the improved performance of the ML-base geochemistry models, and further customer use of the Insight® CT-based mineralogy interface on projects in Santiago. Mineral speciation, and the ability to produce rapid down-hole mineralogy information continued to fuel demand for the technology from customers.

The core software engines that combine the sensor information with physics models and advanced machine learning were further validated and refined during the quarter. As these software engines directly power a large portion of the solution suite, they remain a constant focus of development.

Research and Development

A limited amount of targeted hardware Research and Development (and validation testing) was undertaken during the period in support of the Company's emerging gold detection system.

The Stockholm team worked closely with the Perth engineering and data science team to undertake a large amount of software development primarily in support of the delivery of the new geotechnical suite of solutions outlined above, and across mineralogy-focused projects in Santiago.

Corporate & Financial

The Company's Appendix 4C for the quarter ending 31 March 2024 is attached.

As at quarter-end, cash holdings were \$1.42 million with no debt.

The 31 March 2024 cash position and the net operating cash result for the quarter were significantly impacted by the late receipt of revenue during the first week of April totalling \$398k invoiced in relation to work completed earlier in the period. Adjusting for this receivable, the pro-forma cash position would have been \$1.82 million at 31 March 2024.

Total revenue from customers for Q1FY24 was \$591k, down from recent quarters and reflects the move to completion of certain large contracts as outlined in the operations section, and the naturally longer project follow-on and sales cycles of larger contracts within the largest miners.



The graph below illustrates quarterly revenue since the Company was listed on ASX:

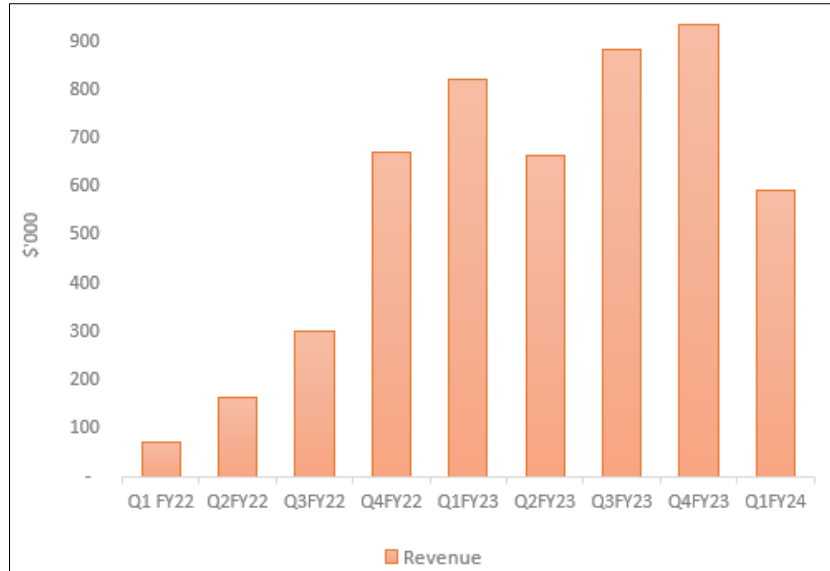


Figure 2 - OXT quarterly revenues.

Net cash outflows for Q1FY24 were \$1.597 million (\$1.198 million when adjusted for the receivable) and in line with the result from Q4FY23. Gross operating outflows decreased by approximately 13% as compared with Q4FY23 and by 22% as compared with average gross quarterly outflows for FY23, reflecting management's ongoing focus on operating cost control measures.

In line with Q4FY23, capital expenditure was low and totalled \$31k during the quarter. The Company continues to limit capital expenditure as part of its overall cash management strategy whilst also ensuring it has capacity to quickly pivot to manufacturing additional Geocore X10® units in response to new contract growth.

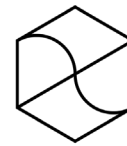
The Company is actively pursuing several wide-ranging strategic options to expand its business and fund ongoing operations. Such options include using regional partner relationships to accelerate geographic penetration and respond to opportunities in regions where Orexplore would not naturally establish its own office, and seeking strategic partners at the corporate level that may be able to make a meaningful strategic investment in the Company. The Company is also evaluating equity capital raising, debt and hybrid funding options, in parallel to regional partnering and strategic opportunities.

In accordance with ASX listing rule 4.7C.3, payments to related parties of the Company and their associates during the quarter totalled \$124k. These payments are related to the Managing Director's remuneration and Non-executive Directors' fees.

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This ASX announcement was authorised for release by the Board of Orexplore Technologies Limited





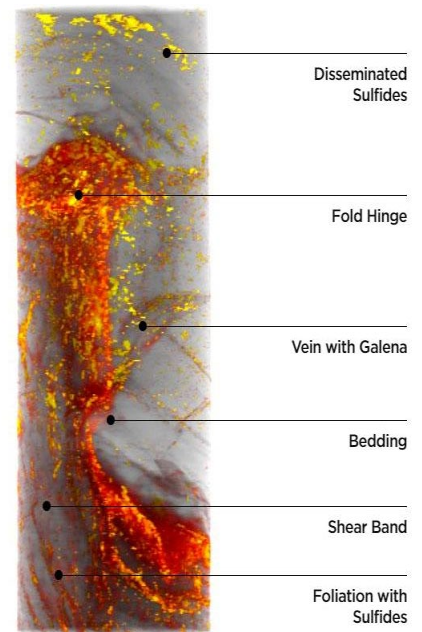
OREXPLORE TECHNOLOGIES

About Orexplore Technologies

Orexlore Technologies Limited (ASX: OXT) is a globally focused mineral technology business concentrated on advancing the commercialisation of its Technology Platform across the mining value chain within the global metals and mining sector. The Company's Technology Platform consists of the GeoCore GX10® hardware product and Orexplore Insight user interface software, that is continually advancing through its in-house multi-disciplinary research and development team based in Stockholm, Sweden.

Orexlore's first product, the GeoCore X10®, is a transportable X-ray rock mass scanning technology that converts drill core samples into a three-dimensional data set to provide a "through the rock" model of internal structures, particles and texture, in addition to elemental detections, CT-based mineralogy and density.

The Company maintains core-scanning laboratories in Stockholm, Perth and Santiago, where it undertakes scanning operations, and is headquartered in Perth, Western Australia. Orexplore's talented global team includes consulting geologists, engineers, data scientists, physicists, and technology delivery experts. The Group continues to advance through development and delivery of customer centric solutions suites that power Orebody Knowledge across the mining industry.



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Disclosure Statement:

These materials include forward looking statements. Forward looking statements inherently involve subjective judgement and analysis and are subject to significant uncertainties, risks, and contingencies, many of which are outside of the control of, and may be unknown to, the Company. Actual results and developments may vary materially from those expressed in these materials. The types of uncertainties which are relevant to the Company may include, but are not limited to, commodity prices, political uncertainty, changes to the regulatory framework which applies to the business of the Company and general economic conditions. Given these uncertainties, readers are cautioned not to place undue reliance on such forward-looking statements. Forward looking statements in these materials speak only at the date of issue. Subject to any continuing obligations under applicable law or any relevant stock exchange listing rules, the Company does not in providing this information undertake any obligation to publicly update or revise any of the forward-looking statements or any change in events, conditions, or circumstances on which any such statement is based.



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Appendix 4C

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

Name of entity

Orexplora Technologies Limited

ABN

98 645 505 406

Quarter ended ("current quarter")

31 March 2024

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	456	456
1.2 Payments for		
(a) research and development	(6)	(6)
(b) product manufacturing and operating costs	(199)	(199)
(c) advertising and marketing	(92)	(92)
(d) leased assets	(35)	(35)
(e) staff costs	(1,125)	(1,125)
(f) administration and corporate costs	(610)	(610)
1.3 Dividends received (see note 3)	-	-
1.4 Interest received	21	21
1.5 Interest and other costs of finance paid	(6)	(6)
1.6 Income taxes paid	-	-
1.7 Government grants and tax incentives	-	-
1.8 Other (provide details if material)	-	-
1.9 Net cash from / (used in) operating activities	(1,596)	(1,596)
2. Cash flows from investing activities		
2.1 Payments to acquire or for:		
(a) entities	-	-
(b) businesses	-	-
(c) property, plant and equipment	(30)	(30)
(d) investments	-	-
(e) intellectual property	(1)	(1)
(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)	-	-
2.6	Net cash from / (used in) investing activities	(31)	(31)
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	-	-
3.4	Transaction costs related to issues of equity securities or convertible debt securities	-	-
3.5	Proceeds from borrowings	-	-
3.6	Repayment of borrowings	-	-
3.7	Transaction costs related to loans and borrowings	-	-
3.8	Dividends paid	-	-
3.9	Other (provide details if material)	-	-
3.10	Net cash from / (used in) financing activities	-	-
4.	Net increase / (decrease) in cash and cash equivalents for the period		
4.1	Cash and cash equivalents at beginning of period	3,064	3,064
4.2	Net cash from / (used in) operating activities (item 1.9 above)	(1,596)	(1,596)
4.3	Net cash from / (used in) investing activities (item 2.6 above)	(31)	(31)

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)	-	-
4.5	Effect of movement in exchange rates on cash held	(18)	(18)
4.6	Cash and cash equivalents at end of period	1,419	1,419

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	1,419	3,064
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)	1,419	3,064

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	124
6.2	Aggregate amount of payments to related parties and their associates included in item 2	-
<i>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.</i>		

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

7. Financing facilities	Total facility amount at quarter end \$A'000	Amount drawn at quarter end \$A'000
<i>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.</i>		
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)	(1,596)
8.2 Cash and cash equivalents at quarter end (item 4.6)	1,419
8.3 Unused finance facilities available at quarter end (item 7.5)	-
8.4 Total available funding (item 8.2 + item 8.3)	1,419
8.5 Estimated quarters of funding available (item 8.4 divided by item 8.1)	0.89
<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?	
<p>Answer: The Company received late payment of certain invoices issued for work undertaken in January and February of \$398,000 on 4 April 2024, immediately after the end of Q1FY24. Payment of these invoices should ordinarily have been received before 31 March 2024. Had these been received according to payment terms, net operating cash outflows for the quarter would have been \$1,198,000 (as per Q4FY23, which was \$1,199,000). Net operating cash outflows in Q2FY24 are therefore expected to be below those reported in item 1 of this Appendix 4C.</p>	

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: Yes – in line with the Company’s recent announcements, it is actively pursuing a number of wide-ranging strategic options to expand its business and fund ongoing operations. Such options include using regional partner relationships to accelerate geographic penetration and respond to opportunities in regions where Orexplore would not naturally establish its own office, and seeking strategic partners at the corporate level that may be able to make a meaningful strategic investment in the Company. The Company is also evaluating equity capital raising, debt and hybrid funding options, in parallel to regional partnering and strategic opportunities.

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: Subject to the successful implementation of some or all of the measures outlined in item 8.6.2 above, the Company expects to be able to continue to operate and meet its business objectives.

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: 30 April 2024

Authorised by: The Board
(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.