

OREXPLORE

TECHNOLOGIES



October 2023

Perth | Santiago | Stockholm



Disclaimer

About Orexplore Technologies

Orexplore Technologies Limited (ASX: **OXT**) is a globally focused mineral technology business concentrating 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.

Orexplore'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" image of internal structures and texture in addition to elemental detections, and density.

The Company maintains core-scanning laboratories in Stockholm, Perth, and Santiago. Or explore's talented global team includes consulting geologists, engineers, data scientists and physicists, and technology delivery experts. The Company continues to advance its solutions through development and delivery of customer solutions powered by its Technology Platform.

For further information:

investors@orexplore.com

Brett Giroud
Managing Director
Ph: +61 8 9469 2900

Greg Haskis Chief Financial Officer Ph: +61 8 9469 2900

IMPORTANT NOTICE AND DISCLAIMER

By accepting, accessing or reviewing this Presentation or attending an investor presentation or briefing, you represent and warrant that you are entitled to receive this Presentation in accordance with the restrictions, and agree to be bound by the limitations, contained within it.

This Presentation has been prepared by Orexplore Technologies Limited ("the Company") for information purposes only and does not constitute or form part of any offer to sell, purchase or subscribe for, recommendation of, or a solicitation or invitation of any offer to sell, purchase or subscribe for, any securities or any other financial products, nor will this Presentation or any part of it form the basis of, or be relied on in connection with, any contract or commitment whatsoever.

No offers, sales, resales or delivery of any securities referred to in this Presentation or distribution of any material relating to those securities may be made in or from any jurisdiction except in circumstances which will result in compliance with any applicable laws and regulations and which will not impose any obligation on the Company.

The distribution of this Presentation in jurisdictions outside Australia and New Zealand may be restricted by law and you should observe those restrictions. Any failure to comply with those restrictions may constitute a violation of applicable securities laws.

Summary information

This Presentation contains summary information about the current activities of the Company as at the date of this Presentation. The information in this Presentation is of a general nature and does not purport to be complete. This Presentation does not purport to contain all the information that an investor should consider when making an investment decision nor does it contain all the information which would be required in a disclosure document prepared in accordance with the requirements of the *Corporations Act 2001* (Cth) (Corporations Act).

It should be read in conjunction with the Company's other periodic and continuous disclosure announcements lodged with the Australian Securities Exchange (ASX), which are available at www.asx.com.au. Statements made in this Presentation are made only as at the date of this Presentation. The information in this Presentation remains subject to change without notice. No member of the Company gives any warranties in relation to the statements and information in this Presentation.

Financial information

The financial information in this Presentation is presented in an abbreviated form insofar as it does not include all of the presentation and disclosures required by the Australian Accounting Standards (AAS) and other mandatory professional reporting requirements applicable to general purpose financial reports prepared in accordance with the Corporations Act.

The historical financial information for the Company contained in this Presentation has been derived from the audited financial statements for the financial year ended 31 December 2022, as lodged with ASX on 28 February 2023, and the financial statements for the half financial year ended 30 June 2023 as lodged with the ASX.

Past Performance

Past performance and historical information in this Presentation is given for illustrative purposes only and should not be relied upon and is not an indication of future performance including future share price information.



Disclaimer

Key assumptions

Certain information in this Presentation, particularly forward-looking information, is based on general and specific assumptions. General assumptions include those customary when preparing such information, including no material changes to the competitive or regulatory environment, economic and industry conditions, laws or accounting standards, FX rates, disturbances or disruptions, changes to clients and their arrangements, litigation, key personnel and none of the risks described in the Key Risks section arising.

Forward looking statements:

This Presentation may include forward-looking statements. The words 'anticipate', 'believe', 'expect', 'project', 'forecast', 'estimate', 'likely', 'intend', 'should', 'could', 'may', 'target', 'plan' and other similar expressions are intended to identify forward-looking statements. Indications of, and guidance on, future earnings and financial position and performance are also forward-looking statements. Although the Company believes the expectations expressed in such forward-looking statements are based on reasonable assumptions, these statements are not guarantees or predictions of future performance, and involve both known and unknown risks, uncertainties and other factors, many of which are beyond the Company's control.

As a result, actual results or developments may differ materially from those expressed in the statements contained in this Presentation. Investors are cautioned that statements contained in the presentation are not guarantees or projections of future performance and actual results or developments may differ materially from those projected in forward-looking statements. The forward-looking statements are based on information available to the Company as at the date of this Presentation.

No representation, warranty or assurance (express or implied) is given or made in relation to any forward-looking statement by any person (including the Company or any of its advisers). Except as required by law or regulation (including the ASX Listing Rules), the Company disclaims any obligation or undertaking to update forward-looking statements in this Presentation to reflect any changes in expectations in relation to any forward-looking statement or change in events, circumstances or conditions on which any statement is based.

Information and liability

The information contained in this Presentation has been prepared in good faith by the Company, however no representation or warranty expressed or implied is made as to the accuracy, correctness, completeness or adequacy of any statements, estimates, opinions or other information contained in this Presentation.

To the maximum extent permitted by law, the Company and its directors, officers, employees and agents (**Relevant Parties**) disclaim liability for any loss or damage which may be suffered by any person through the use or reliance on anything contained in or omitted in this Presentation.

Investment risk

An investment in the Company's shares is subject to investment risks and other known and unknown risks, some of which are beyond the control of the Company, including possible loss of income and principal invested. The Company does not guarantee any particular rate of return or the performance of the Company, nor does it guarantee the repayment of capital from the Company or any particular tax treatment.

Not an offer, advice or recommendation

This Presentation is for information purposes only and should not be read or understood as an offer, invitation, solicitation, inducement or recommendation to subscribe, buy or sell shares or any other financial products in any jurisdiction.

This Presentation will not form any part of any contract or commitment for the acquisition of shares.

This Presentation is not a prospectus, disclosure statement, product disclosure statement or other offering document under Australian law or under any other law. It will not be lodged with ASIC. Nothing contained in this Presentation constitutes financial product, investment, legal, tax or other advice or any recommendation. It does not take into account the investment objectives, financial situation or needs of any particular investor.

Before making an investment decision, prospective investors should consider the appropriateness of the information in this Presentation having regard to their own investment objectives, financial situation and needs and with their own professional advice. Each recipient of this Presentation should make its own enquiries and investigations regarding all information included in this Presentation including but not limited to the assumptions, uncertainties and contingencies which may affect future operations of the Company and the values and the impact that different future outcomes may have on the Company.

General

The information included in this Presentation is dated 23 October 2023. Statements made in this Presentation are made only as at the date of this Presentation. The information in this Presentation remains subject to change without notice.

The Company may in its absolute discretion, but without being under any obligation to do so, update or supplement this Presentation. Any further information will be provided subject to the terms and conditions contained in this Important Notice and Disclaimer.

In consideration for being given access to this Presentation, you confirm, acknowledge and agree to the matters set out in this Important Notice and Disclaimer and any modifications notified to you and/or otherwise released on ASX.

Corporate Structure | ASX: OXT

Well positioned to accelerate solution adoption across a growing customer footprint.

Capital Structure

Shares on issue **171,045,922**

Performance rights 13,583,071

No debt

Share Price (23.10.23)

A\$0.042

Market Cap (23.10.23)

A\$7.18m

H1FY23 Revenue

~A\$1,486k

Cash position (30.06.23)

~A\$3.06m

Led by Experienced Board & Management

Alan Bye

Non-Executive Chairman

Brett Giroud

Managing Director

Kent Swick

Non-Executive Director

Stefan Sädbom

Non-Executive Director

Stuart Carmichael

Non-Executive Director

William Randall

Non-Executive Director

Frank Campagna

Company Secretary

Top Shareholders

Kent Jason Swick

Circle 5 Management Pty Ltd.

% Shares on Issue

17.51%

17.27%

October 23 - completed successful \$4.2m capital raise

- fully underwritten rights issue
- strongly supported placement
- strong backing from existing shareholders

Who

A globally focused mineral scanning technology company delivering solutions across the mining value chain for customers as they navigate global transitions.

We believe in the sustainable extraction of minerals and metals creating value for all stakeholders to power a better world.

We are...

300+

YEARS EXPERIENCE ACROSS THE MINING VALUE CHAIN 3

CONTINENTS

25+

EXPLORERS, GEOLOGISTS, PHYSICISTS, DATA SCIENTISTS, ENGINEERS, MATHEMATICIANS



Why

Navigating multiple global transitions, the mining sector is under pressure to deliver future minerals and metals more productively and sustainably.

Orexplore's technology platform is solving entrenched and emerging pain points and creating new value across the mining value chain.

From decreasing exploration returns and project techno-economics, to operational challenges, accelerating ESG expectations and beyond, Orexplore is delivering new solutions every day.

Business





Differentiated technology delivering unique solutions

10+ years and >\$50m of investment

Accelerating validation

 a growing range of customers - including BHP, Gold Fields, Northern Minerals and others

Growth and Pipeline

- ✓ H1FY23 revenue +52% vs H2FY22. (+627% H1FY23 v H1FY22)
- ✓ growth pipeline geographies, customers, solutions, minerals & metals

Experienced board and management











Journey



Opportunity

Development

Traction

Scaling

Maturity

Currently transitioning from the commercial traction phase into the scaling phase.

Our technology platform powers a unique solution suite that supports miners across their whole life of asset – from exploration to closure.

The Company is now experiencing accelerating interest and adoption of our solutions across multiple regions, and we are now looking to scale and advance solutions across these regions.

Current Pipeline

Further growth opportunity



Australia





America



Europe



Asia Pacific



North **America**

History

Founded - Stockholm 2009 Sweden

2018 Swick 100% - Perth opened, field trials commenced

2022 Swick demerger > ASX

2022 OZ Minerals \$2.35m

2023 Gold Fields Chile \$430k

2023 Critical Minerals

2023 BHP Carrapateena \$1.55m





Olec of the second of the seco

A new MRI from Duke University can image the entire mouse brain at a resolution 64 million times better than the MRI in your doctor's office.





onal use only





Solutions across the mining value chain

Solutions – linking scanning to value for customers to support premium pricing over time through competitor differentiation

Stage

Solutions

Customers



Exploration

Exploration Targeting (EXT)

A targeting tool for mineralisation indicators and vectors



Resources to
Reserves

Orebody Knowledge (OBK) Advancing structural, mineralogy and elemental information to advance deposit characterisation

Smart Domaining (SDM)

Advancing value in ground and optimal recovery to drive mining and project designs.



Extraction Economics

Auto RQD (RQD)

Mine design and process selection through Geotech, Geomet, & rock characterisation



Operations

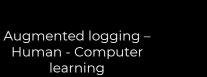
Sample Optimisation (SOO)

Grade Control (GDC) Improving traditional testing regimes

Rapid field analysis of core and chips

Ore Sorting (OST)

Log Checker (LGC) Deposit-scale sortability models to drive economics





ESG

Acid Rock Drainage (ARD) Acid drainage and waste impact monitoring





Solution

Solution in feasibility phase

Solution traction



Operations

RQD

ОВК

SDM



Resources to Reserves & Extraction Economics



RQD

SDM

BHP - Carrapateena \$1.55m

Orexplore enters an operating mine focusing on integrating the technology into workflows and delivering operational solutions

~ 15,000 metres of core to be scanned

OZ Minerals – Kalkaroo \$2.35m

In a harsh remote environment, Orexplore safely digitised core 24 / 7 to advance Orebody knowledge and accelerate mining and operations options analysis

~ 20,000 metres of core scanned







Operations

SOO OBK SDM







Extraction Economics



OST

Gold Fields - Salares Norte

Or explore enters the South American market with its first commercial deployment into a mining operation.

3.000 metres of core to be scanned

Northern Minerals - Project development

Building ore sorting models to drive project techno-economics and developing operational grade control solutions for future operations

~ 900 metres of core scanned



Carrapateena

Integrating into operations

Through embedding three (3) GeoCore X10® machines into the operational workflows, Orexplore will help the site team unlock advanced rock mass characterisation and geometallurgical information to improve operational performance and longer-term planning of the mine.

The Company's "Smart Domaining" (SDM) and Orebody Knowledge (OBK) solutions, powered through its unique technology will additionally drive improved modelling, with potential value drivers across downstream mining, processing, and reconciliation outcomes.

Initial \$1.55m agreement for the scanning and analysis of approximately 15,000m of drill core and associated geo-science integration services.

Auto RQD (RQD)

Mine design and process selection through Geotech, Geomet, & rock characterisation



Salares Norte

Entry to mining operation

Integrating the technology into ongoing mine operations, through an installation at the Gold Fields Salares Norte gold and silver mine, in Chile.

Initial \$430k agreement for the scanning and analysis of approximately 3,000m of drill core as part of the larger scale annual exploration program.

Roll-out of Orexplore's new sample optimisation solution (SOO), optimising the downstream laboratory testing, and Orebody Knowledge (OBK) advances.

Orebody Knowledge (OBK)

> Sample Optimisation (SOO)

Advancing structural, mineralogy and elemental information to advance deposit characterisation

Sample support for improving traditional testing regmies



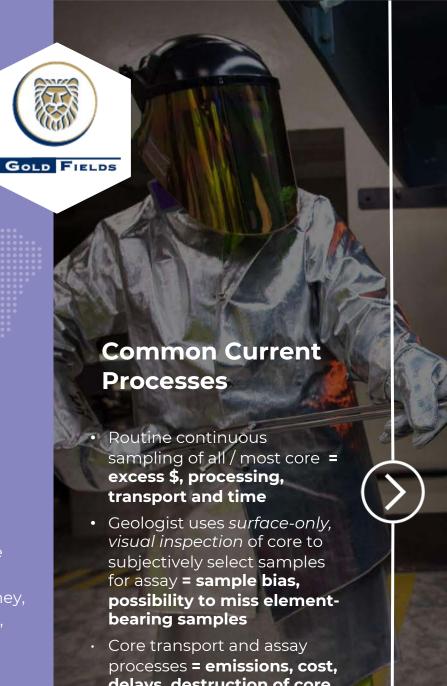
SOO

Solutions

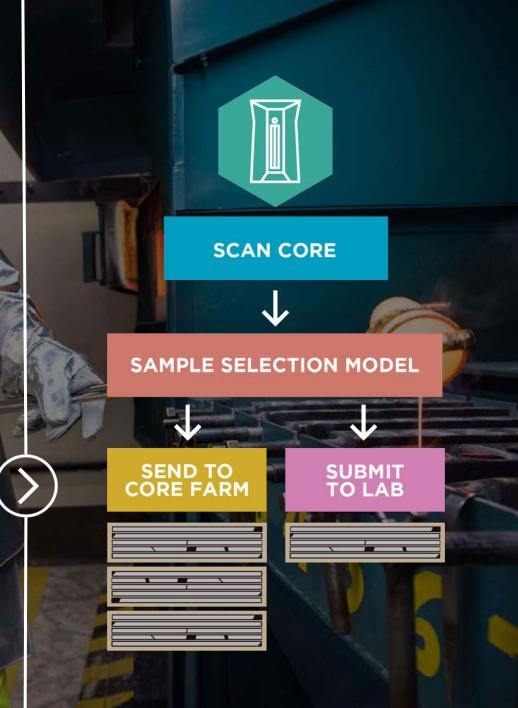
Sample optimisation

Explorers and operating miners are under pressure to do more with less and delays associated with receiving sampling results often have significant schedule and cost impacts.

Orexplore's technology platform allows customers to pre-screen the entire 3D core volume and then sample to optimise the overall sampling process, saving time, money, and the associated emissions from cutting, transporting and destroying core through traditional processes.



delays, destruction of core



Case Study

Gold - Deportment and Sampling

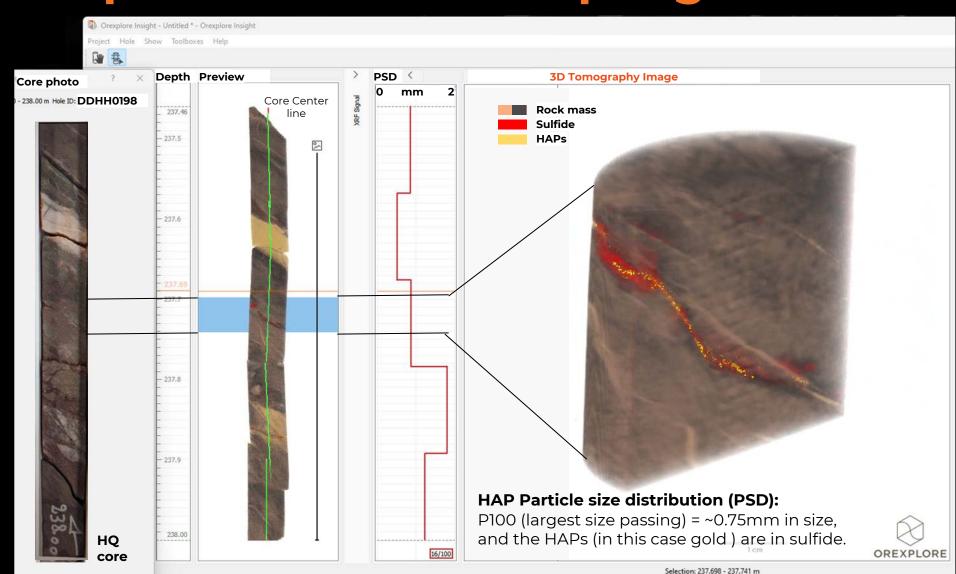




- 1. A single # does not reveal the personality of the rock.
- 1. Estimating gold abundance by VG or assaying half core is prone to bias.
 - → Whole core assay destroys the core, and with it the important rock information key to making significant decisions.
- 1. Gold by pXRF is limited to higher grades and only provides 1 # per spot.

Case Study

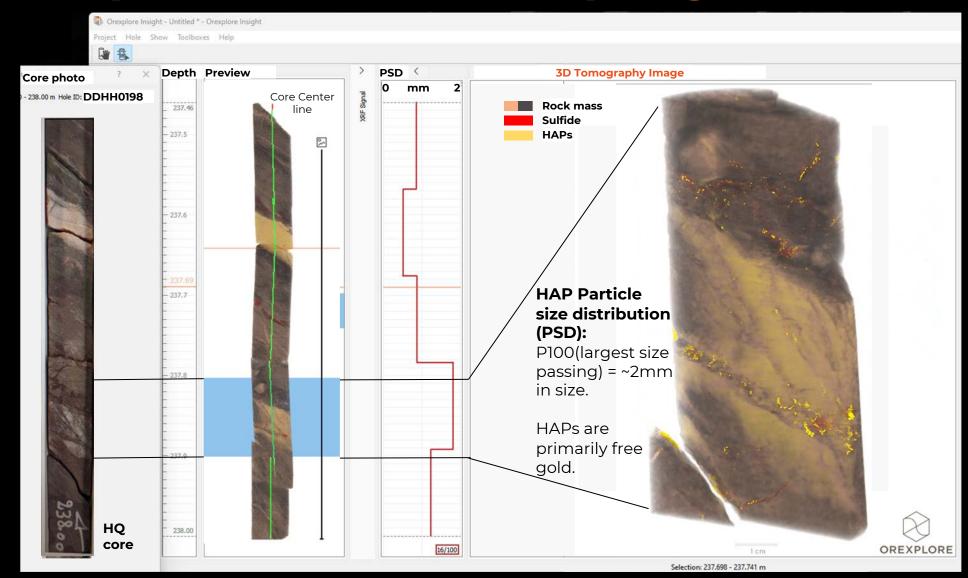
Gold - Deportment and Sampling



Insight® software

Case Study

Gold - Deportment and Sampling



Insight® software

Case Study Gold - I



Gold - Deportment and Sampling



Solutions:

- 1. HAPs (High attenuation particles), like Au stand out well in high energy X-ray Tomography
- 2. Identifying HAPs in 3D digital core volume + particle size tool revealed:
 - → free gold *AND* gold-in-sulfides present
 - → different gold mineral assemblages (= different timing)
 - → free gold is coarse

Outcomes & Implications:

- 1. particle characteristics + abundance = correct assay method selection = ↓ costs, ↓QAQC (time & \$)
- 2. de-bottle neck assay ↔ modelling workflow
- 3. objectively model gold deportment domains
- 4. could choose not to assay barren core (!!)
- 5. informs smart capital spend, early!
 - a. coarse gold → gravity circuit
 - b. gold in sulfide → flotation circuit
- 6. grade control decision support



HQ Core photo











Critical minerals

Unique Technology - Market intersection

Dual Energy – a step change in the power of the results from the CT scanner, unlocking in-field ore sorting solutions for critical minerals customers

High energy XRF – delivering excellent REE discrimination compared to other technologies

New solutions – ore sorting, grade control and others

Project enabling – proving orebody sortability and ability to undertake operational grade control



ersonal

Case Study Graphite flakes





Photo credit: Miriam Doerr Martin Frommherz / Shutterstock. https://www.azom.com/article.aspx?/ticleI=1630

Problems: Most tonnes ≠ most value

1. Graphite flake size is related to graphite purity - both determine product \$\$:

```
>300um flake size = ~US$2000/t • least abundant in market <200um flake size = ~US$1000/t
```

<100um flake size = ~US\$450/t

most abundant in market

- 2. Assaying graphite is time consuming and the extraction and preservation of size distribution is difficult.
- 3. JORC 2012 requires the competent person to ensure exploration samples are tested for appropriate parameters (i.e. market-related specifications) in addition to basic assay tests for graphitic carbon content.

Case Study **Graphite flake**

Solutions

Initial tests show Graphite stands out well as a low attenuating particles (LAP) in XCT data

Outcomes

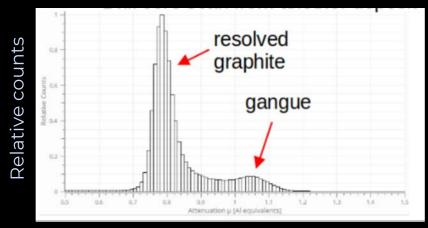
- large graphite flakes resolved
- 2. demonstrated some correlation of vol. concentration of LAP in XRT data with graphite assay concentrations → graphite grade proxy
- 3. possibly amenable to ore sorting

Further Implications

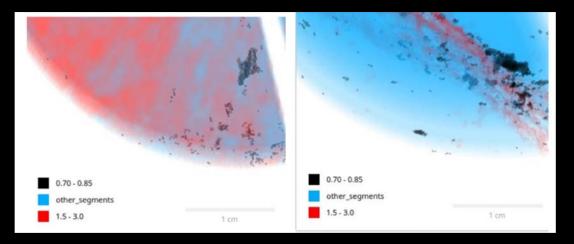
- detailed textural data is a key intelligent and informed selection of drill samples and potential DEPOSIT VALUE
- 2. if the value is present, defining (domaining) the geometallurgical characteristics of a deposit.



XRT Attenuation Histogram From Core Sample



Attenuation (Al units)



Orexplore Insight 3D core images - large graphite-like particles (black) and rock-forming minerals (red, blue).

Increasing Market









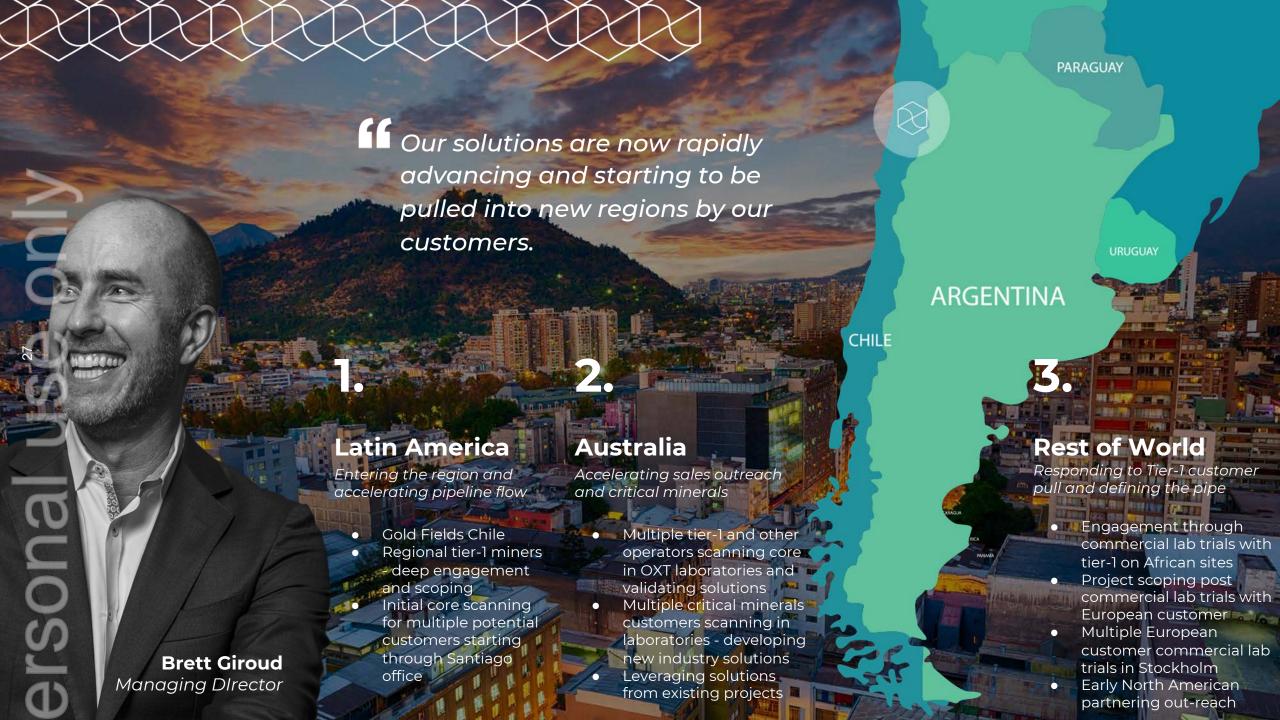






Gold

Base metals 26
Other metals



Performance

• Strong revenue growth since initial ASX listing in January 2022.

H1FY23 revenue growth of 52% compared with H2FY22.

H1FY23 revenue 23% higher than full year FY22.

Resultant increase in cash receipts. (Q1FY23 receipts include ~\$327k of receipts in advance.)

Revenue increases driven by new contracts wins – both on-site operations and solution delivery and larger lab-based commercial projects.

Future revenue growth to be driven by recently announced new contract wins and strong sales pipeline across operating regions.

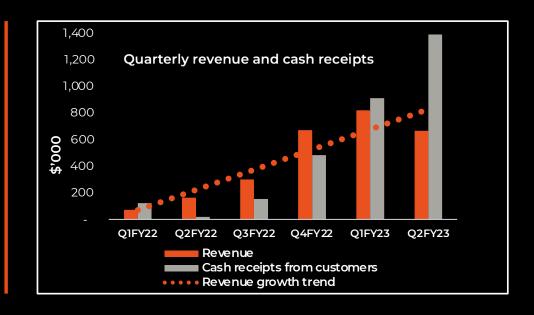
Increased business capability introduced across geology, sales, data-science and operations - supports solution development and customer delivery.

Improving operating margins expected on new projects.

Capex directed at GX10 machine manufacture and operational infrastructure.

Cash at 30 June 23 of \$3,056,000.

No debt in capital structure.



\$'000:	H1FY22	H2FY22	H1FY23
Revenue	237	975	1486
Net operating cash outflows	(3,160)	(2,818)	(3,100)
Capital expenditure	(707)	(440)	(625)

<i>\$'000:</i>	31 Dec 22	30 Jun 23
Cash	7,039	3,056
Debt	NIL	NIL

Investment highlights



Transformational technology

True 3D – CT scanner maps the entire 3D core volume, compared to surface only sensing

- Non-destructive drill and scan
 once to create digital twins for
 collaboration and future proofing
- Fast & simple operation results in an hour anywhere in the world
- Human-Machine automation –
 Insight® platform enables machine
 learning powered automation and
 analysis



Scaling

Contracts – Gold Fields, Oz Minerals, BHP and 10+ commercial OXT laboratory engagements

Pipeline – accelerating across three global regions

Globally significant team – industry leaders delivering transformation

Hub and spoke – centralised geoscience and support

Reliable, simple to operate - GeoCore X10® field units









Solutions adoption

Solution suite – exploration, studies, operations, critical minerals, ESG

Solving industry pain points structural, persistent opportunities

Creating customer value - as they navigate global transitions

Data-Geoscience powered – scan once, create and capture value multiple times – SaaS future revenues



Global growth

Large Total Available Market (TAM)

 drilling, core farms, base and precious metals – broad suite of minerals and elements

Critical minerals enabler - uniquely suited technology unlocking deposits and projects

Global transitions enabler – ESG, energy, digital, automation, and workforce

Macro-resilient - creating value through the cycles



OREXPLORE

TECHNOLOGIES



October 2023

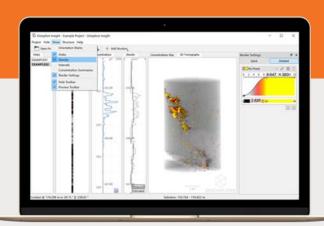


Perth | Santiago | Stockholm





Technology offering















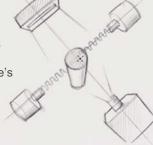
GeoCore X10 ®

High Energy X-ray Source

XRT (X-ray transmission) CT provides 'through-the-core' structural 3D imaging used to estimate potential elemental composition, geological structure, texture & density.

Spectrometers

XRF Spectrometers provide elemental detection at the core's surface.



- Fast: scans four x 1m cores at a time, in less than 15 minutes per metre.
- Versatile: non-destructive scanning of both core & non-core (chips etc.) material.
- Easy: requires minimal skill set to operate. One technician can operate up to 3 machines.

Insight software platform

Orexplore's software system, Orexplore Insight®, provides users with the ability to interact and analyse the scan results obtained from the GeoCore X10®. It allows for 3D-visualisation of the core and the ability to further analyse the resource and physical information, providing rich capability to understand, interpret and extract key information contained within the sample such as:

- Geological structures
- Lithology / texture
- Density high resolution
- · Rock mechanics & physical characteristics e.g. RQD
- Particle detection
- Detected elements
- Emerging geochemistry

Mining transitions

Sustainable pain-points are combined with transformational new solutions to guide the strategic focus of Orexplore



Digital Transformation



Sustainability



Business



Automation



Metals Demand



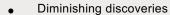
Workforce Evolution



Accelerating Value Chains



Exploration



- Campaign efficiencies
- Pressure to become a producer quickly



Stakeholders

- Continually expanding
- Accelerating expectations
- Demonstrating leadership across domains - ESG, Carbon



Operations

- Productivity pressures
- Skills shortages & changing ways of working
- "Do more with less"



Projects

- NPVs under pressure
- Challenging techno-economics
- Technology adoption
- Evolution of engineering



Corporate

- Evolving business models
- Global competition
- Complex dynamic value chains
- Synch to accelerating markets
- Access to capital



Orexplore provides traction through transitions

- Decision support
- Operational transformation
- Corporate value
- Risk and Sustainability



Your challenges, our solutions



Diminishing exploration returns



Slow resource to reserve conversion



Mining blind



Project techno-economics



Production efficiencies



Assay delays & costs



ESG value creation & risk control



Exploration Targeting tool

Mineralisation vectors derived from mineral indicators, alteration states, and rock characterisation.



Resources & Reserves

Accelerating developments & acquisitions

Unique 3D insights from the field supporting accelerated conversion and techno-economic reviews.



Mining

Don't mine blind

Operationally embedded units for grade control improvements to assist dynamic mining decisions.



Project EconomicsMatching plants to deposits

Ore sorting and rock characterisation to "best fit" process plant design with orebodies to drive NPVs.



Operations

Production & Analysis

Optimising core sampling and analysis through prefiltering and driving operational efficiencies



ESG

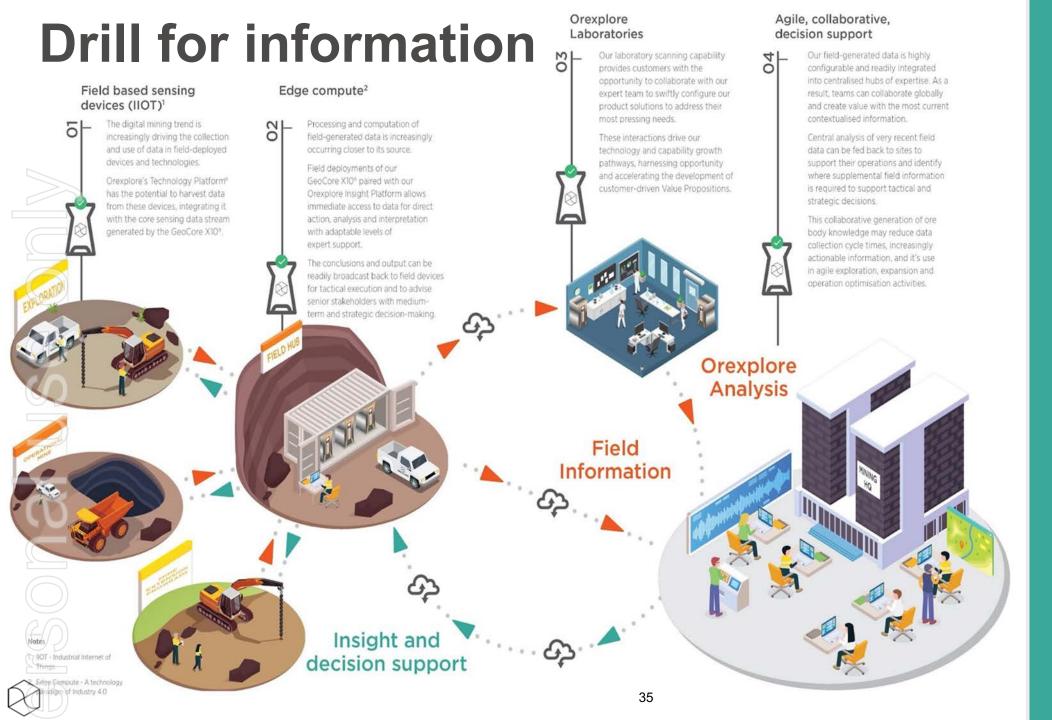
Environmental controls

Dynamic field based environmental risk controls – such as acid drainage and waste impact monitoring.











Fast

industry leading

Drilled to insight
remote analysis within 15m



Mobile

exploring with you

Anywhere in the world
rapidly transportable containers



Sustainable

scan core

Transport information save time, money and emissions

Technical capabilities & applications



ssay delays & costs

ESG value creation & risk

control

Exploration Targeting (EXT)

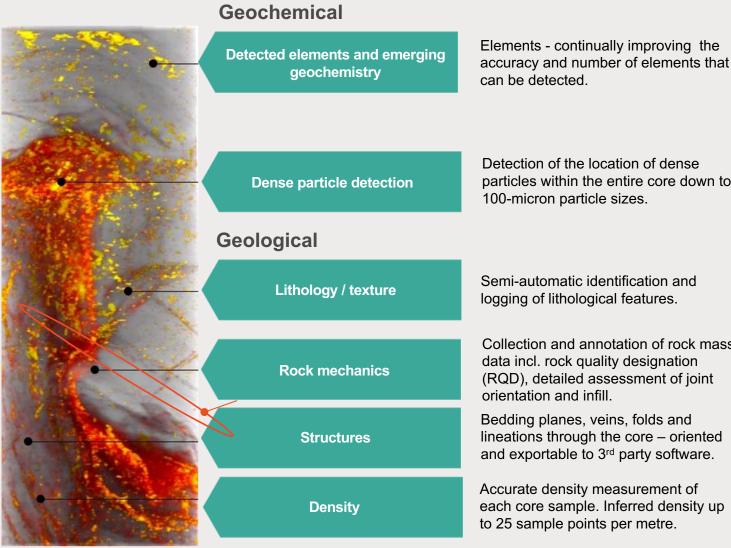
Orebody **Knowledge (OBK)**

Smart Domaining (SDM)

Auto RQD (RQD)

Ore Sorting (OST)

Sample **Optimisation** (SOO)



Elements - continually improving the

can be detected.

Detection of the location of dense particles within the entire core down to 100-micron particle sizes.

Semi-automatic identification and logging of lithological features.

Collection and annotation of rock mass data incl. rock quality designation (RQD), detailed assessment of joint orientation and infill.

Bedding planes, veins, folds and lineations through the core - oriented and exportable to 3rd party software.

Accurate density measurement of each core sample. Inferred density up to 25 sample points per metre.



Board of Directors

Kent Swick

Non-Executive Director

Kent is a Mechanical Engineer with over 30 years' experience in civil construction, mining maintenance and surface and underground mineral drilling. Kent successfully founded and has led (Managing Director) Swick Mining Services Ltd since its inception. Kent has a Bachelors of Engineering from the University of Western Australia and has completed the Owner/President Management program at Harvard Business School

Stuart Carmichael

Non-Executive Director

Stuart is a Chartered Accountant with over 20 years' experience in the provision of corporate advisory services both within Australia and internationally. Stuart is a Principal and Director of Ventnor Capital Pty Ltd and Ventnor Securities Pty Ltd which provides corporate and financial advice to small-cap ASX listed companies. Further, Stuart acts as a Non-Executive Chairman / Director for a number of other ASX listed companies



Alan Bye

Non-Executive Chairman

Alan is a highly respected industry figure with strong expertise on the innovation of the resource industry – covering both digital and extractive innovation technologies. Alan is the co-founder and Managing Director of Imvelo Pty Ltd, a Non-executive Director at Scitech, and holds council positions at SmartSat CRC & CSIRO. Alan has a Ph.D. in Mining from the University of KwaZulu-Natal.

Brett Giroud

Managing Director

Brett brings over 24-years of technology delivery, creating and leading large high performing teams. He has driven mining industry transformation and delivered systems and technology across over \$15B of capital projects. Brett has created and led business units, lectured on future systems and is a sought after advisor to start-ups. Brett was previously the Chief Engineer (ICT) for Jacobs (SKM) Engineering, and APAC head of Strategy and Transaction Services for Worley (Advisian). Brett has a Bachelor of Engineering & an MBA from the University of Western Australia

Stefan Sädbom

Non-Executive Director

Stefan is a senior exploration geologist with over 35 years' experience in exploration and underground mining. Through various entities, Stefan has been deeply involved in several Swedish and European innovation projects relating to the improvement of the mining industry. Stefan sits on the board of a number of other Swedish listed and non-listed entities. Stefan holds a Bachelors of Geology from Uppsala University

Will Randall

Non-Executive Director

Mr Randall has over 25 years of operational and executive experience in the Global Commodity and Mining Industries, operating across cultures, geographies, products and supply chains. Mr Randall was based in Asia from 1997 to 2020 with a critical focus on business development and supply chain strategies. He has served on the boards of various listed and private companies over this period.





>Recent progress

Solutions

Auto RQD – linking structures to processing options.

Smart domains – challenging established block model boundaries

Digital test proxies – expanding limited slow and expensive test work across ore bodies

Density – high resolution automatic density reducing the inherent risk of "tonnes in the ground"

Recoverability – particles, elements, mineralogy and more driving optimised process options to maximise recoverability and study techno-economics





"We are building brand new solutions for the Industry - fed directly from near-real-time field sensed data and connected directly to a rapid study team"

Stephen Coward - Principal Geoscientist Orexplore

Recent progress Technology

HQ machine – now scanning up to HQ core size – circa 40% serviceable market increase

Dual Energy CT – a step change in the power of the results from the CT scanner, unlocking in-field ore sorting solutions for critical minerals customers

Core engine – major advances in the digital core models driving rapidly improving near-real-time elemental and mineralogical outputs direct from the field

Orexplore Insight® – customer driven quarterly releases of new functionality

Future horizons – advancing in-house designed next generation sensors

