



**critical  
metals** plc

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**A Copper Producer  
Bringing Critical Metals to the Global Market**

CORPORATE PRESENTATION – Q4 2023

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# Overview



**1 Critical Metals** – is looking to build shareholder value by investing in brownfield mining opportunities in minerals that countries require in order to keep their economies growing.

**2 In Production** – the Company's Molulu Project, its first investment, started production in January 2023 and is estimated to produce an initial 120,000 tonnes of Copper Oxide Ore per annum

**3 Experienced Management Team** – the combined Board has over 100 years' experience in mining and natural resources development, financing and corporate management

**4 The Opportunity** – to invest in known mining deposits with low entry costs and potential to generate short-term cash flow



# Leadership and Key Information



Ticker	Market Cap.*	Share Price	Shares in Issue
CRTM.L	£8.88 million	14.25p	65,129,521

5p Warrants o/s	10p Warrants o/s	40p Warrants o/s
1,771,428	630,000	9,000,000

## Russell Fryer – Chairman and CEO

Former commodities fund manager with a background in engineering and experience in developed and developing markets focusing on investing in natural resources companies. Mr. Fryer was formerly the Chairman of Ecometals Limited, co-founded and listed Western Uranium & Vanadium Corporation (CSE:WUC) and has previously worked for investment banking firms Robert Fleming, HSBC, Deutsche Bank and Macquarie.

## Anthony Eastman – Director and CFO

Chartered Accountant with significant experience in financial management and corporate advisory services as a director / company secretary of ASX and AIM listed entities. Previously with E&Y and CalEnergy Resources Limited, subsidiary of Berkshire Hathaway Energy Company.

## Marcus Edwards-Jones – Non-executive Director

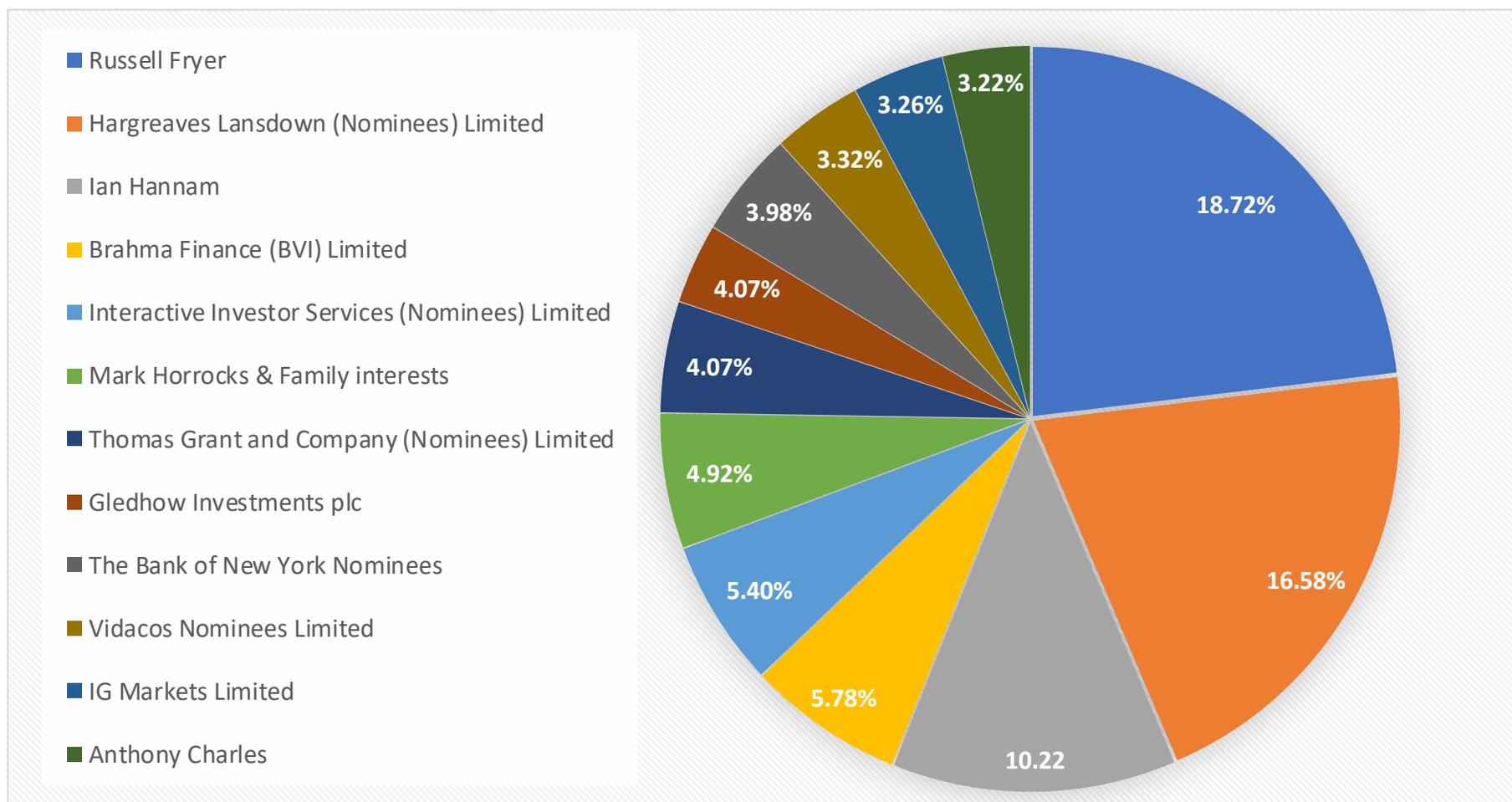
Mr. Edwards-Jones is the Executive Chairman of Phoenix Copper Ltd, an AIM-listed copper, silver, lead, zinc mine developer. Prior to Phoenix Copper, Mr. Edwards-Jones held senior positions with Julius Baer, and Credit Lyonnais in London. He is a former director of Georgian Mining Corp. He is a graduate of Oxford University with an MA.

\*As of 27 November | 2023  
[www.londonstockexchange.com](http://www.londonstockexchange.com)



# Significant Shareholders

Directors Holdings		
Director	Number of Shares	% of issued share capital
Russell Fryer	11,666,428	18.72
Anthony Eastman	300,000	0.48



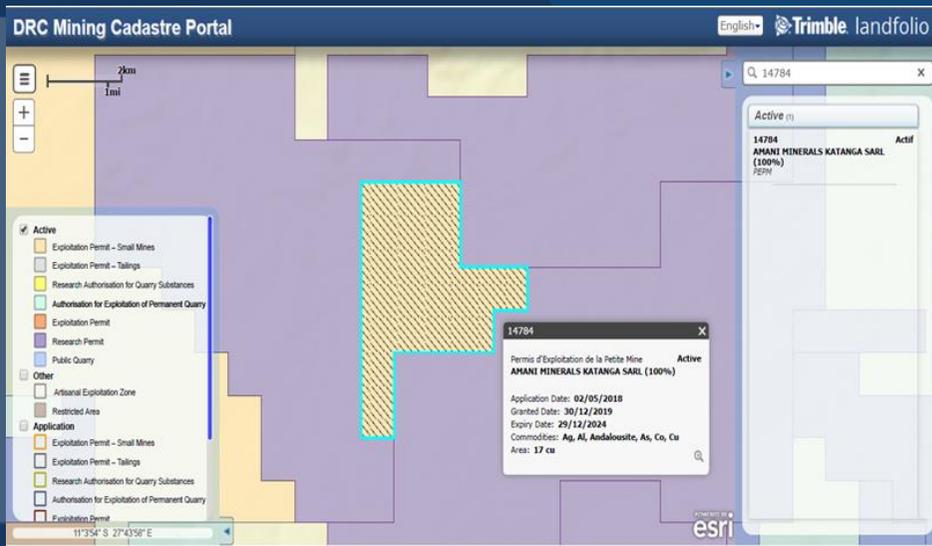
# Market Demand for Copper/Cobalt

- Copper is a key commodity required for the global transition to Net Zero
- Supply / Demand deficit – The copper market needs to grow almost sevenfold if Net Zero is to be achieved by 2050
- The copper price has increased from US\$2.14/lb to a current price of around \$3.86/lb since 2016 – driven by global economic growth, increasing infrastructure investment and global supply-side deficit and has been forecast by Goldman Sachs to reach US\$15,000/ton, or \$6.80/lb by 2025
- DRC is the world's fourth largest producer of copper producing 1.6M metric tons in 2020 while supplying 60% of world's cobalt.
- Cobalt is used across commercial, industrial, and military applications but has risen in importance due to its role in the production of lithium-ion batteries to power EVs and energy storage from solar, wind and renewable energy sources.
- Cobalt is also a key component of building nuclear power plants, a resurging industry in the global renewable power generation sector
- Cobalt prices are currently around \$15.15/lb, averaging \$25/lb over last five years; demand is forecast to increase more than twentyfold by 2040, according to the International Energy Agency



# Acquisition of Copper/Cobalt mine in DRC – Minière Molulu

- CRTM owns 100% of Madini Occidental Ltd, which holds a 70% interest in a mining license in the DRC, Minière Molulu.
- Molulu is an ex-producing, medium-scale copper/cobalt project in the Katangan Copperbelt, adjacent to other producing mines. Previously mined by artisanal miners from 4 pits.
- Production commenced at Molulu in January 2023 and is expected to have positive cashflow in February 2023
- Molulu's copper grades range between 15% & 40% (sulphides) and 2% and 15% (oxides). Cobalt areas have been identified and will be drilled for confirmation.
- Proximity to copper smelters provides selling channels for copper & cobalt production.
- Groundwork at the Molulu Project began shortly post readmission including campground clean up and enhanced security. Experienced Project Field Manager appointed to be based at Molulu. Preparations commenced for the initial geological mapping surveys.



# Heat Map of Minière Molulu Copper/Cobalt

## Technical Report from Competent Persons Report

Figure 3-2: Soil Geochemistry **Copper (Cu)** Anomalies

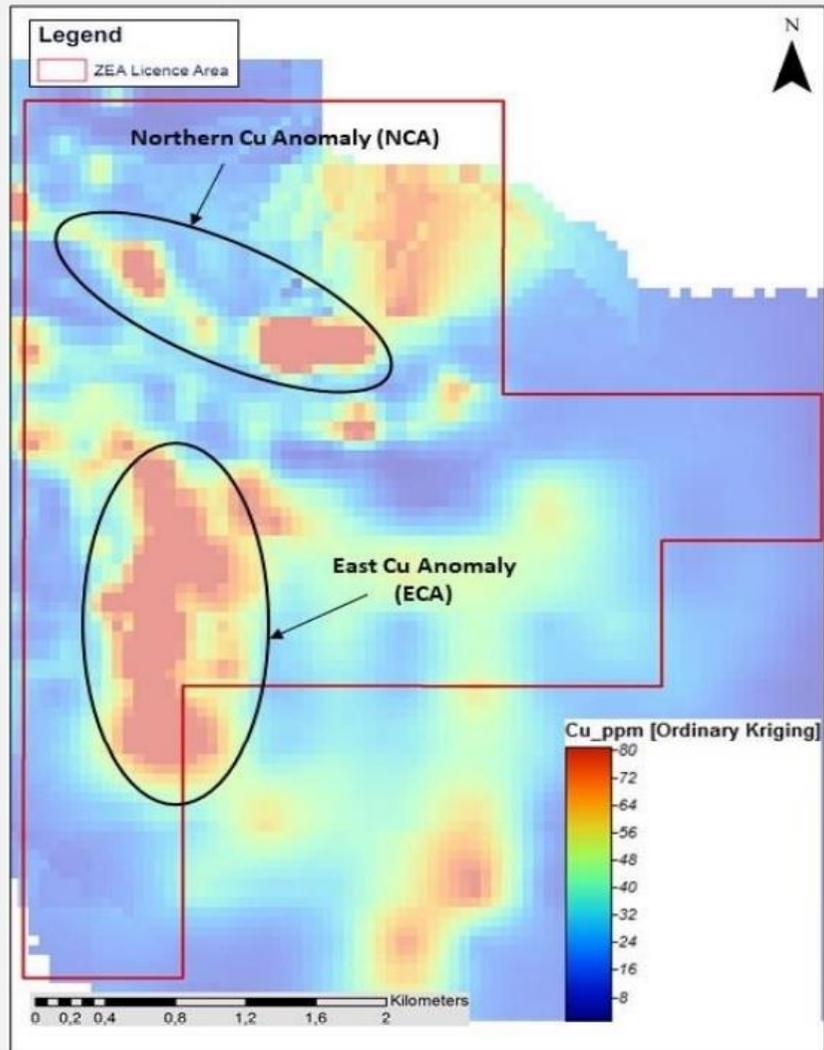
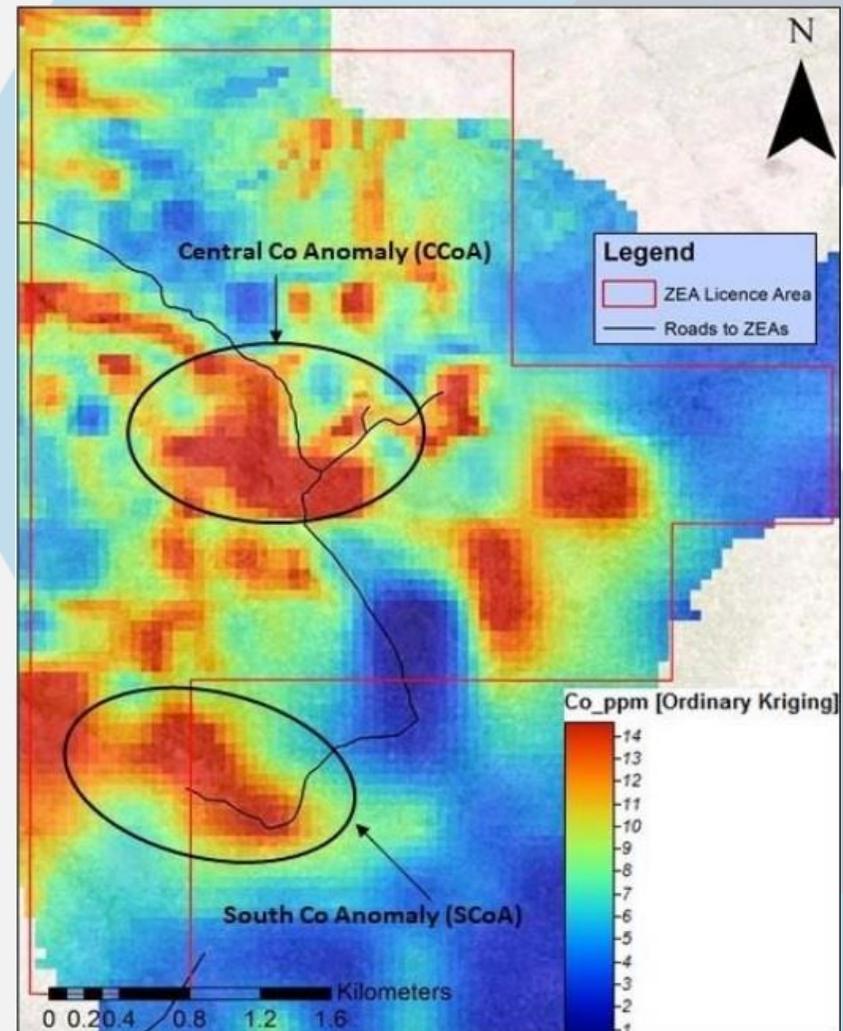


Figure 3-3: Soil Geochemistry of **Cobalt (Co)** Anomalies



# Technical Work at Molulu

Geophysical and geological work to identify significant orebodies will take place in the following three phases:

## Phase 1 & 2

- Magnetic and Structural interpretation, Gradient Induced Polarization (IP) surveys and IP Pole-Dipole, for lateral mapping of the mineralization across the whole grid shown (every 50m line).
- 2D IP/Resistivity models of the earth
- The two phases of geophysical work have been planned based on the copper anomalies shown on the map.

## Phase 3

- Plan map (in UTM) showing survey line locations, results and interpretation
- 3D Presentation of UP/Resistivity model
- Report containing, survey description, interpretation, and recommendations

GPR Geophysics has been retained to trace the Orebody by carrying out Magnetic and Polarisation surveys.

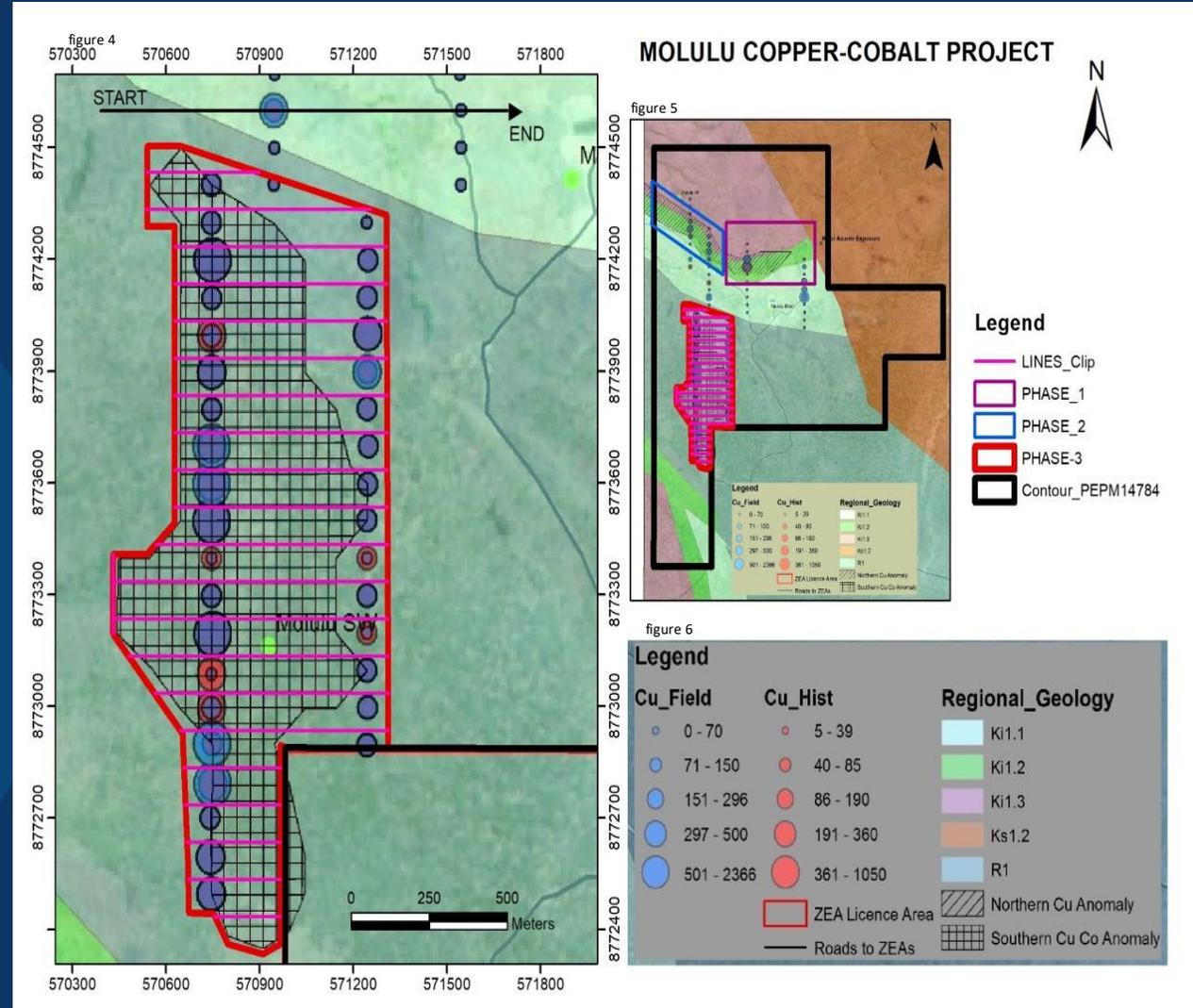


figure 4: Map indicating survey sites at Molulu

figure 5: Map indicating location of geological phase 1-3

figure 6 : Key for maps above



# The Acquisition of the Molulu Project Aligns with Company Strategy

- The Directors believe the acquisition of Molulu has the potential to generate significant value for shareholders and is in line with their stated acquisition strategy.
- The Acquisition fits the Company's strategy of focusing primarily on known deposits, targeting projects with low entry costs and potential to generate short-term cash flow.
- The Molulu Project has been under-developed due to a lack of investment.
- The Project's proximity to copper smelters in Lubumbashi and Likasi will provide processing and/or selling channels for copper and cobalt production and therefore generate near term cashflow from any production from the Molulu Project.



# The Molulu Project



# Future Investment Targets in Africa

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## Companies that operate in the following areas:

- Brownfield copper/cobalt mine – Minière Molulu (**completed**)
- Brownfield tantalum/tin mines
- Brownfield tungsten mines & properties
- Brownfield tantalum/niobium mines
- Brownfield antimony/gold mines

## After several M&A transactions, greenfield properties of interest:

- Beryllium
- Cesium
- Fluorspar
- Rare Earth Minerals
- Scandium



# Investment Case

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1

Minière Molulu provides a near-term cash flow project

4

Highly experienced executive and mining team - management team has significant record of investing in this sector and region

2

Additional potential brown-field targets of interest already identified in Africa

5

Early cash flow allows for a market re-rating

3

Jurisdictional, political, and mineral diversification under the '5 Countries, 5 Mines' plan

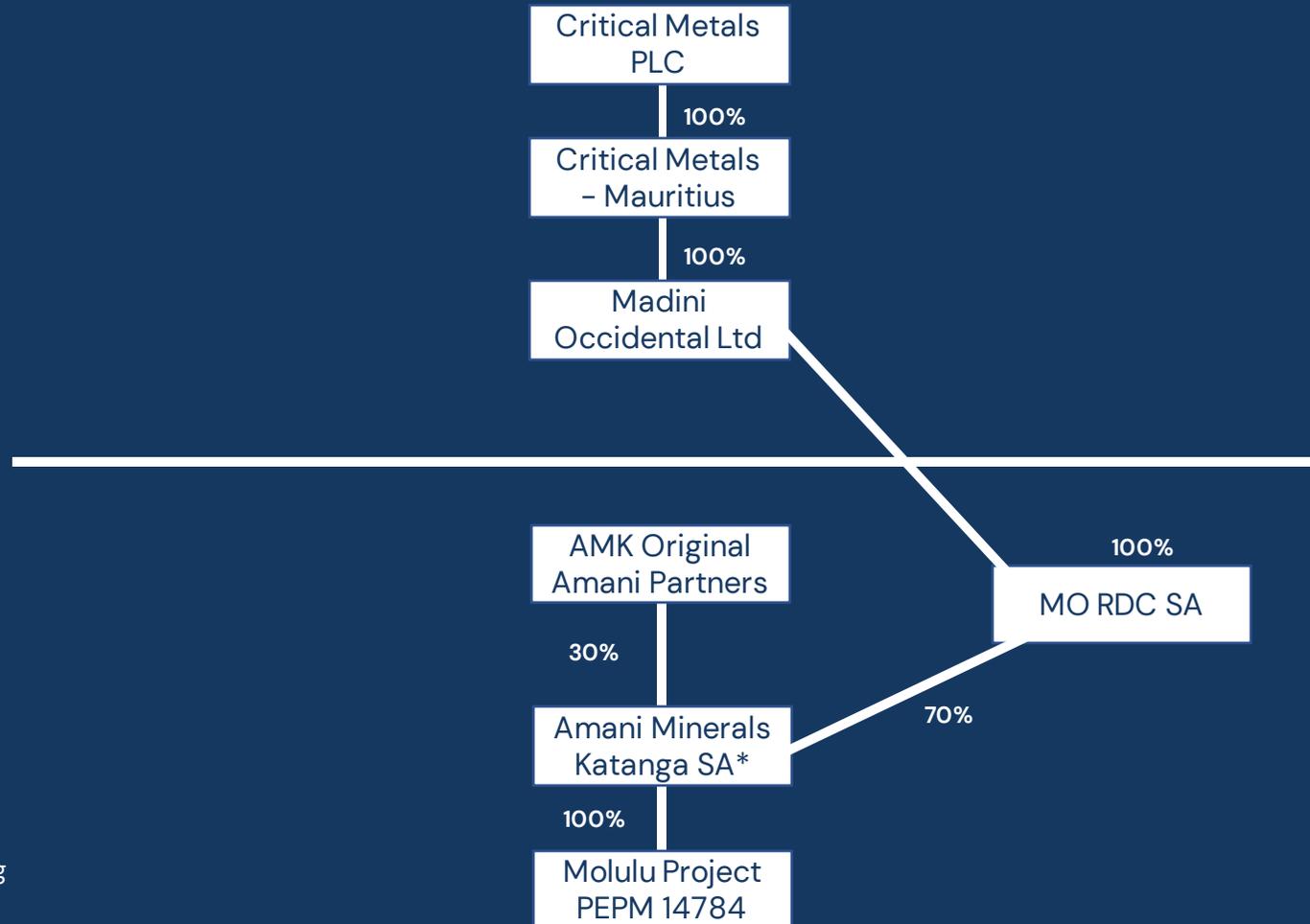
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First year cash flow minimises future shareholder dilution



# Appendices

# Critical Metals PLC – Structure



\*Diluted stakes assumes pro-rata dilution to accommodate DRC Government Shareholding



# Information Table

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Country of Incorporation	England and Wales
Registered Office	The Broadgate Tower 20 Primrose Street London, EC2A 2EW
Registrar	Share Registrars Limited
Auditors	PKF Littlejohn LLP
Lawyers	Hill Dickinson LLP, Liedekerke LLP
Corporate Broker	Peterhouse Capital Limited
Bankers	Alpha FX – London
Media, PR, IR, Communications	St Brides Partners Limited
Corporate Contact	<a href="mailto:rfryer@criticalmetals.co.uk">rfryer@criticalmetals.co.uk</a>



# Management Biographies

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## **John Greeff**

Molulu Mine Manager

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Mr. Greeff has worked in a range of different mining jurisdictions including Zimbabwe, Rwanda, Canada, South Africa, and Angola. His experience has equipped him with a detailed understanding of work on the ground at a mine site in various stages of development.

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## **Lloyd Kirtley**

DRC Project Field Manager

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Mr Kirtley is an experienced geologist with 40 years of experience in mining and mineral exploration. He has worked on a range of different projects in Africa including a previous project in the DRC. Mr Kirtley will support all aspects of the Molulu project including environmental and social assessments.

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## **Lloyd Pengilly**

Advisor to the CEO

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Former Chairman of Metals & Mining for JP Morgan, and former Chairman of JP Morgan Africa. Graduate of Royal School of Mines with extensive experience in M&A, Equity, and Debt financings in both developed and emerging markets. Founded QKR Corporation Ltd, a private mining company.

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## **Steve Venn**

Technical Advisor

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Director of S&B Mining, which is based in Southern Africa and specializes in mine planning, survey, geology, mining engineering and machinery maintenance, procurement and consumables control, mining development and production.

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