

A growing multi-asset producer of high-value diamonds



Annual General Meeting

30 May 2022

Cautionary Statements

Forward-Looking Statements

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No New Information

To the extent that this announcement contains references to prior exploration results and Mineral Resource estimates, which have been cross referenced to previous market announcements made by the Company, unless explicitly stated, no new information is contained. The Company confirms that it is not aware of any new information or data that materially affects the information included in the relevant market announcements and, in the case of estimates of Mineral Resources that all material assumptions and technical parameters underpinning the estimates in the relevant market announcement continue to apply and have not materially changed.

Competent Person's Statements

Information included in this presentation that relates to exploration results and resource estimates on the Lulo Diamond Resource, Mothae Diamond Resource and Merlin Diamond Resource is based on and fairly represents information and supporting documentation prepared and compiled by Richard Price who is a Member of the Australasian Institute of Mining and Metallurgy. Mr Price is an employee of the Company. Mr Price has sufficient experience which is relevant to the style of mineralisation and type of deposits under consideration and to the activity which he is undertaking to qualify as a Competent Person as defined in the 2012 Edition of the Australasian Code for Reporting Exploration Results, Mineral Resources and Ore Reserves. Mr Price consents to the inclusion in the presentation of the matters based on this information in the form and context in which it appears.

Acknowledgement of Traditional Owners

Lucapa respectfully acknowledges the Traditional Owners of the land on which our assets, Merlin and Brooking, are located and the land on which we meet today.

We pay our respects to all members of these indigenous communities and to Elders past, present and emerging.



2021 at a glance – A record year

Attributable



Record Attributable Revenue A\$65 million

Record Attributable EBITDA A\$22.3 million



Recovered Attributable Carats



Transformative Acquisition



100% Project



Record Project Revenue A\$135 million



Record Project EBITDA A\$54.5 million



Record Project Recovered Carats

57,065

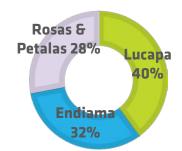


Debt Repaid A\$5.9 million

Producing Operations



Lulo Mine – Highest \$ per carat alluvial resource



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Record 2021 Production

0.5 million cubic metres of gravel processed - 80% up on 2020 Eight +100 carat diamonds recovered and large fancy pinks



Infield Screening Plant Constructed Second alluvial processing plant commissioned Improve production volumes and deliver cost savings

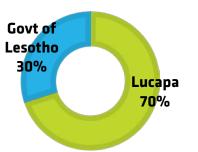
JORC Mineral Resource Updated 11% increase in resource carats 34% increase in value per carat

Loan and Dividend Approved SML dividend paid in February 2022 SML loan repayment awaiting Central Bank approval





Mothae Mine – Top 3 highest \$ per carat kimberlite resource



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Solid 2021 Production

1.1 million tonnes of ore processed

Increased capacity and completed crusher foundation repair during year

Mass Balance and Throughput Optimisation

Mass balance limitations as mining moves to more competent material - impacting throughput Original bulk sample plant repurposed to gain additional throughput

Mining Methodology

Potential to improve mass balance via continuous miner technology

Cutting & Polishing Partnership

Delivering solid returns beyond the mine gate

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204 Carat Diamond Recovered

Eighth +100 carat diamond in May 2022 Third +200 carat diamond



Development & Exploration



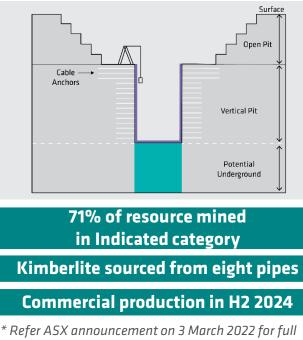
Merlin Project – Transformative acquisition in the NT

Updated Scoping Study* demonstrates strong economics for a long-life mine

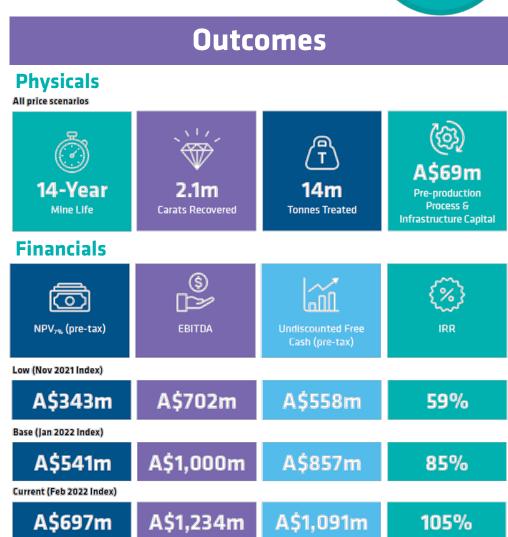
Methodology



Open pit and vertical pit mine development only (excludes underground potential)



Refer ASX announcement on 3 March 2022 for full
Updated Scoping Study, key inputs and assumptions,
cautionary statement and disclaimer



Lucapa 100%

Merlin Project – Expected* top 10 \$ per carat kimberlite resource

Lucapa 100%

Traditional Owner ("TO") Meeting

First TO meeting took place in Borroloola this month Northern Land Council ("NLC") and Lucapa working to conclude deed of assumption shortly

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Feasibility Study

Unique hybrid open pit and vertical pit mining ("VPM") development VPM animation - <u>https://youtu.be/ 5jyBlxcwWA</u> Targeting Q3 2022 publication of results Currently on plan however are dependent on third parties

Financing

Exploring financing solutions with various debt providers

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New Kimberlite Exploration

New discovery exploration program commenced - all previous kimberlite discoveries are diamondiferous

Historical De Beers data acquired and being interpreted to identify targets

* Combined average across eight kimberlites in Updated Scoping Study mine plan as per ASX announcement on 3 March 2022



Lucapa 100%

	_	Lulo (40% Attributable ¹)	Mothae (70% Attributable ¹)	CY2021 Lucapa (Total Attributable ¹)	Corporate (100% Attributable ¹)	Merlin Scoping Study (100% Attributable ¹)#	Proforma Lucapa (Total Attributable ¹)	
Production	Carats	9,838	22,731	32,569	-	153,000	~185,500	~5x
Sales	Carats	11,127	25,307	36,434	-	153,000	~189,400	~3X
Average price	US\$/ carat	2,808	688	1,335	-	634		
Cash operating cost	US\$/ carat	1,469	533	819	-	334		
Revenue	A\$m	42	23	65	-	143	208	~3x
Cash operating cost	A\$m	22	18	40	3	72	115	
EBITDA [*]	A\$m	20	5	25	(3)	71	93	~4x
Margin	%	48%	22%	38%	-	50%	45%	

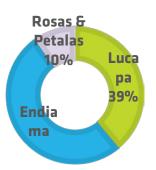
Notes:

¹ Attributable ownership in the projects based on Lucapa's holding as per ASX announcements on 27 January 2022 and 28 February 2022. This is a non-AIFRS measure. For statutory reporting purposes, SML is equity accounted given Lucapa holds a 40% interest and Mothae is consolidated given Lucapa holds a 70% interest

* EBITDA, a non-AIFRS measure, is equal to rough diamond revenue less total cash operating costs (including ore/ gravel and waste/ overburden mining, processing, on- and off-site costs, royalties and selling costs, partnership margins and inventory movements)

* Average annual production for full life of mine as per Base price scenario in Updated Scoping Study announced to the ASX on 3 March 2022, including key assumptions and inputs on which this is based as well as cautionary statement and disclaimer. Merlin first production planned for 2024, first full year of production in 2025.

Project Lulo JV – Searching for the kimberlite source(s) in Angola



Significant Geophysical Anomalies

+360 anomalies in Cacuilo Valley/ +500 on Lulo concession ~120 selected for drilling/ sampling campaign +100 confirmed as kimberlites in Cacuilo Valley

High Priority Targets Selected

+80 drill core & other samples sent for mineral chemistry analysis 18 selected from results/ peer reviewed Bulk sampling already commenced with positive results

Standalone Kimberlite Bulk Sample Plant

Crushing circuit commissioned

Balance of plant being constructed – have experienced delays due to logistics constraints

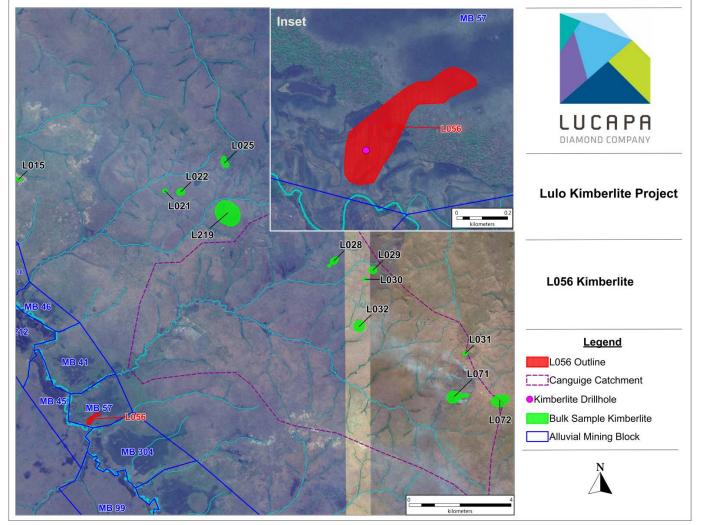
Two bulk samples to be processed every six weeks from H2 2022 onwards

New Kimberlites Discovered

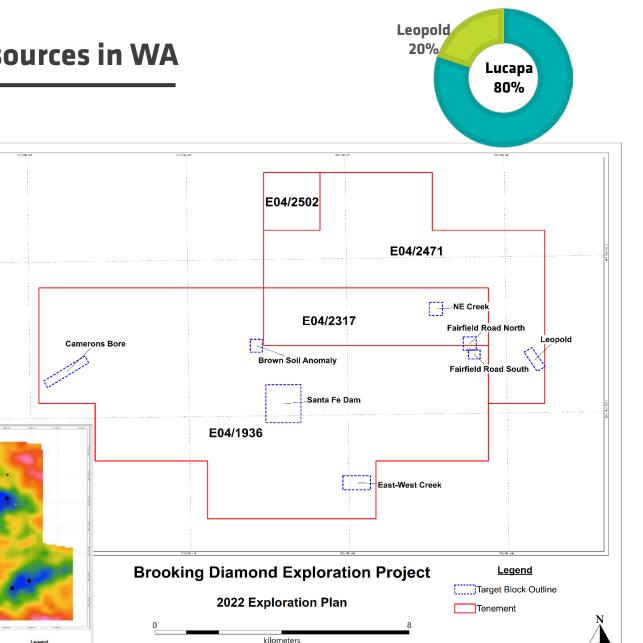
Kimberlite drilling continues in priority areas to identify potential sources Further batch of drill core samples sent for picking ahead of mineral chemistry analysis

Kimberlite L56 drill core sample contained "visual deep purple garnets" - key indicator mineral for diamondiferous kimberlite

Kimberlite L56 is adjacent to the Cacuilo Rover and is immediately upstream of the Canguige River



Brooking – Searching for lamproite sources in WA





Priority Anomalies On Diamondiferous Tenement Three identified from gravity and electromagnetic surveys

Follow up drilling and pitting planned in 2022

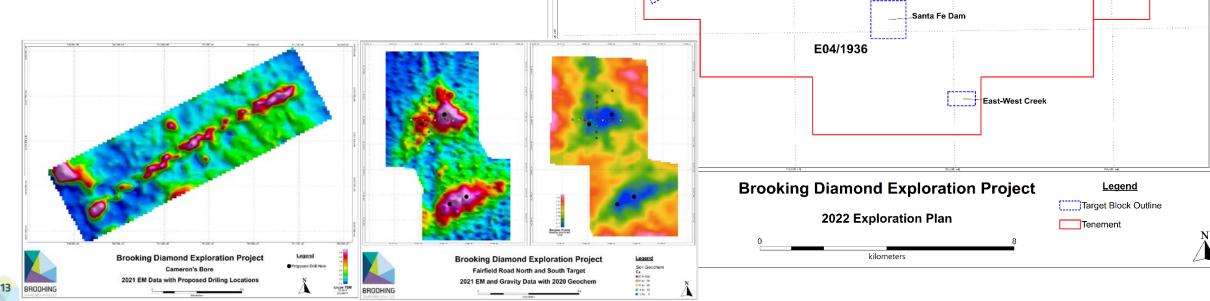
Survey

Drone geophysics underway now to identify additional targets



Core Drilling

Being planned on the three anomalies and additional geophysical target



ESG – Social licence to operate

Focus

Growing investor and consumer focus Lucapa implementing ICMM principles

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Inaugural ESG report

Released within the Annual Report



Education Focus

Refurbishing schools in Lesotho and building a new school in nearby village in Angola



Community Focus

+90% local employment, significant local procurement Drilled potable boreholes Established solar power Donated medical supplies Provide access to on-site clinic Vaccination program



Lucapa's Unique Offering

A growing multi-asset producer of high-value diamonds



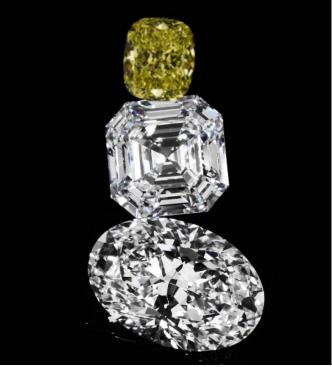
Team Assets ESG

Growth

Development | Production | Expansion | Exploration | Vertical Integration

Upside







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