

INVESTOR PRESENTATION APRIL 2022

Medusa Mining Limited ("Medusa" or the "Company") (ASX:MML) is pleased to announce an updated Investor Presentation.

Investors:

Ryan Welker Managing Director +61 8 9474 1330

Media:

Michael Vaughan Fivemark Partners +61 422 602 720

ABOUT MEDUSA

Medusa is an unhedged, high-grade gold producer which operates the Co-O Gold Mine in the Philippines. The Company's FY22 guidance is for 90,000 to 95,000 ounces of gold production at an All-In-Sustaining-Cost of between US\$1,250 to US\$1,300 an ounce. Medusa has no long-term debt and is targeting new growth opportunities in the Asia Pacific region.

Medusa Mining Limited ABN 60 099 377 849 ASX: MML

Suite A, Level 1, 1 Preston Street Como, Western Australia 6152 PO Box 122 South Perth, Western Australia 6951 T: +61 8 9474 1330 <u>E:</u> admin@medusamining.com.au W: www.medusamining.com.au



Medusa Mining Limited

April 2022

ASX: MML

Unhedged gold producer focused on growth in the Philippines and the Asia Pacific Region

Important Notice

This presentation contains only a brief overview of Medusa Mining Limited and its associated entities ("Medusa") and their respective activities and operations. The contents of this presentation (including matters relating to the geology of Medusa's projects), may rely on various assumptions and subjective interpretations which are not possible to detail in this presentation and which have not been subject to any independent verification.

This presentation contains a number of forwardlooking statements, including the statements relating to anticipated production tonnages, grades and future drilling results. Such forward-looking statements are necessarily based upon a number of estimates and assumptions that, whilst considered reasonable by Medusa, may be subject to significant technical, business, economic, competitive, political and social uncertainties and contingencies and involve known and unknown risks and uncertainties that could cause actual events or results to differ materially from estimated or anticipated events or results reflected in such forward-looking statements. Except to the extent required by applicable law, Medusa disclaims any intent or obligation to update publicly any forward-looking statements, whether as a result of new information, future events or results or otherwise. The words "believe", "expect", "anticipate", "indicate", "contemplate", "target", "plan", "intends", "continue", "budget", "estimate", "may", "will",

"schedule" and other similar expressions identify forward-looking statements. All forward-looking statements made in this presentation are qualified by the foregoing cautionary statements. Investors are cautioned that forward-looking statements are not guarantees of future performance and accordingly investors are cautioned not to put undue reliance on forward-looking statements due to the inherent uncertainty therein. Medusa does not warrant the accuracy, currency or completeness of the information with respect to forward-looking statements contained in this presentation, nor the future performance of Medusa.

To the maximum extent permitted by law, Medusa and its officers, employees and advisers are not liable for any loss or damage (including, without limitation, any direct, indirect or consequential loss or damage) suffered by any person directly or indirectly as a result of relying on this presentation or otherwise in connection with it.

This presentation is not intended to be an offer for subscription, invitation, solicitation or recommendation with respect to securities in Medusa in any jurisdiction including the United States. No securities in Medusa have been nor will be registered under the US Securities Act of 1933,(USA) as amended. This presentation does not constitute an advertisement for an offer or proposed offer of securities under Australian law, US law or any other law and is for general information purposes only.

The information contained in this presentation is not a substitute for detailed investigation or analysis of any particular issue and has been prepared without consideration of your objectives and needs and financial position. Current and potential investors and shareholders should seek independent advice before making any investment decision in regard to Medusa or its activities.

JORC CODE 2012 COMPLIANCE - CONSENT OF COMPETENT PERSONS

Information in this report relating to Exploration Results has been directed and reviewed by Mr James P Llorca and is based on information compiled by Philsaga Mining Corporation's technical personnel. Mr Llorca is a Fellow of the Australian Institute of Geoscientists (AIG), a Fellow of the Australasian Institute of Mining and Metallurgy (AusIMM) and a Chartered Professional in Geology of the AusIMM.

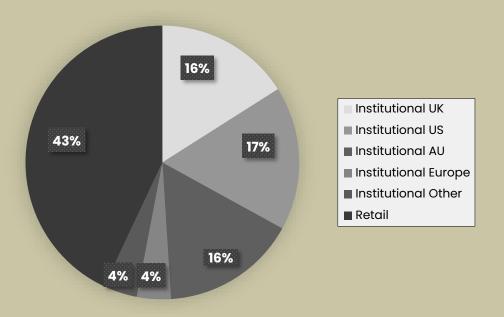
Mr Llorca is General Manager, Geology and Resources, a full-time employee of Medusa Mining Limited, and is entitled to participate in the Company's incentive plans, details of which are included in Medusa's 2021 Remuneration Report. Mr Llorca has sufficient experience which is relevant to the styles of mineralisation and type of deposits under consideration and to the activities for which he is undertaking to qualify as a "Competent Person" as defined in the 2012 Edition of the "Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves (JORC)." Mr Llorca consents to the inclusion in the report of the matters based on his information in the form and context in which it appears.

The Information in this report relating to Ore Reserves is based on, and fairly represents, information and supporting documentation compiled by Dr Spero Carras of Carras Mining Pty Ltd. Dr Carras is a Fellow of the Australasian Institute of Mining & Metallurgy and has 30 years of experience which is relevant to the style of mineralisation and type of deposit 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 of Exploration Results, Mineral Resources and Ore Reserves". Dr Carras consents to the inclusion in the report of the matters based on his information in the form and context in which it appears.

Corporate Highlights

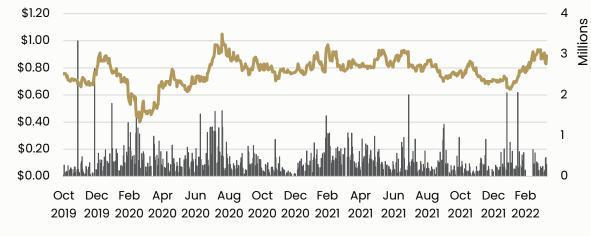
Key Numbers

Major ShareholdersRuffer LLP14.7%Arbiter Partners12.3%Vitrinite Group (incl. Managing Director)7.1%



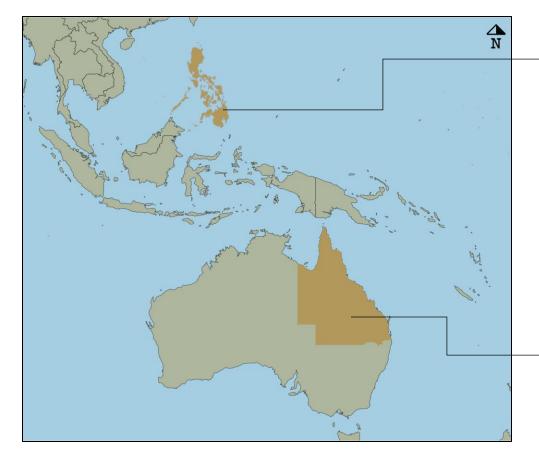
Capital Structure

Shares on issue	227.95M
Share price (14 Apr 2022)	A\$0.90
Market capitalisation	A\$202.8m
Cash and bullion (31 Dec 2021)	A\$99.4m
Debt (31 Dec 2021)	A\$2.4
Enterprise Value	A\$105.8m
Hedging	Nil



Volume — Close

Asset Summary



Co-O Gold Operation, Philippines	
FY22 Production Guidance	90koz – 95koz
FY22 AISC Guidance	US\$1,250-US\$1,300/oz
FY21 Production	95.1koz
FY21 AISC	US\$1,231/oz
Mineral Resources*	726koz @ 9.77g/t Au
Ore Reserve* As of Dec 2021	331koz @ 5.45g/t Au

Drummond Basin Exploration, Queensland				
Land package	+4,200km ²			
Granted tenements	25			
Gold deposit target styles	Intrusion-related, high-grade epithermal			
Next drilling	From April 2022			

Board Changes

- Ryan Welker has been selected by the Board to act as Managing Director on the 9th of March, 2022.
- Ryan is a shareholder and has spent his entire career in the mining sector, with large portions dedicated to assisting junior mining companies in capital raisings, development strategies, M&A and corporate marketing.
- Andrew Hunt has been nominated and selected as a Non-Executive Director on the 16th of March, 2022.
- Andrew has a very strong background in construction, project management and has also worked extensively in the Philippines.
- The Board is in advanced discussions to select one additional Non-Executive Director to ensure best governance and board independence.

Successful Acquisition of 1064 Gold

- Medusa completed the acquisition of 1064 Gold Limited (1064) by the issue of 20m Medusa shares in February 2022.
- Transaction gave Medusa control of more than 4,200km2 of highly prospective ground in Queensland's Drummond Basin.
- The management team acquired with the asset package are highly experienced and have a proven track record of cost-effective exploration and mine development in the Drummond Basin.
- More than 83% of the 1064 shareholders agreed to a voluntary escrow of shares in a vote of confidence in the new combination.
- Intensive exploration programs commenced in March
 2022 involving soil sampling, geophysics and drilling.

Commitment to Safety and our Employees

- Emphasis on continuous improvements of safety systems, procedures and investments to give our workers the best conditions possible are a focus of the Board and Management.
- We share a commitment to not only acting to ensure our employees work in a safe environment, but also to continue to deliver economic benefits to our people and the communities around Co-O through our activities.
- As the largest employer in the Caraga region, health and safety protocols were implemented to prevent the spread of COVID-19 in the workplace and assist with the community response. These protocols have led to only a single confirmed case in March 2022, from over 3,000 tests.

Commitment to our Communities

- Our community influence extends far beyond the mining operations through initiatives including local school funding, training, medical services and the establishment of local infrastructure. The Board and Management will continue to seek ways to optimise and extend these benefits.
- Continuation of the environmental programs that are underway are leading the Company toward a path of carbon neutrality and also improving the local environment in and around the mine. We will be benchmarking our performance and improving our commitments in the near term.

Board of Directors

Jeff McGlinn Chairman (Appointed March 2021)

Mr McGlinn has over four decades of experience in the mining and mining services sectors and has established trusted relationships with governments, major industry leaders and entrepreneurs in Australia and internationally.

Mr McGlinn was the founding Managing Director and Chief Executive Officer of ASX listed NRW Holdings Limited (NWH), one of Australia's leading mining service providers. He was instrumental in establishing NRW in 1994 and played a major role in the Company's growth and development over 16 years until his resignation.

Simultaneously with NRW, Mr McGlinn was the Managing Director of Conclad and Trustek Australia, which provided innovative construction technology throughout Australia and South East Asia for both commercial and domestic applications with was sold to Bluescope Steel and is still widely used in Australia today.

Ryan Welker Managing Director (Appointed March 2022)

Mr Welker brings a vast range of skills and experience to the board of Medusa. He has worked for and supported mining and exploration companies all over the world in nearly every stage of the development and production cycle. His direct industry experience gives him a blend of capabilities where he understands the needs of mining companies of all sizes, but particularly publicly listed junior mining companies.

His previous and current positions include management, corporate development, and finance. Prior to moving back to Australia in 2019, Mr Welker worked for EAS Advisors in New York, where he advised and raised more than \$2bn for dozens of ASX, LSE, TSX and AIM listed companies. Prior to EAS, he held positions at Rio Tinto, Hancock Prospecting, Standard Bank and served as a Non-Executive Director of Mineral Resources Limited.

Simon Mottram Non-Executive Director (Appointed June 2020)

Mr Mottram is a geologist with over 25 years' experience predominantly in base and precious metals. Mr Mottram was instrumental in taking Avanco Resources, an Australian listed copper company, through discovery to production, and subsequently being acquired by OZ Minerals. Mr Mottram has held both executive and senior management roles with several successful mining companies both in Australia and abroad, has seen a number of discoveries advanced through to commercial mine development, and has been central to several significant exploration successes.

Andrew Hunt Non-Executive Director (Appointed March 2022)

Andrew Hunt has 40 years' experience in all aspects of construction, mining, manufacturing, business development, sales and marketing.

He is experienced in local and international markets such as: China, Malaysia, Philippines, Thailand, Cambodia, and South Africa. Andrew has a wealth of knowledge in international trade working with senior personnel from Austrade, West Australian Department of Industry and Resources, The Housing Association of Thailand and The Philippines National Housing Authority.

Senior Management

Raul Villanueva President Philippines Subsidiaries

Attorney Villanueva who has been the Executive Vice President of Philsaga since November 2011 was appointed President of the Company's Philippines operating company, Philsaga Mining Corporation ("Philsaga") in December 2012.

Attorney Villanueva who has Bachelor degrees in Economics, Military Science & Tactics, and Law has been a member of the Integrated Bar of the Philippines and an Attorney and Counsellor-at-Law since 1994. He brings a focused approach to improving the operating systems and professionalism of the Company, based on his education and several years of experience in law as well as managing companies and will further align the objectives of the Medusa Group of Companies.

Patrick Warr Chief Financial Officer

Mr Warr was appointed as CFO in September 2020 and is a Fellow of the CPA with close to 40 years of experience. He joins from his role as Partner – Audit and Assurance at Grant Thornton where he has worked for the past 15 years.

His other experience includes working in commercial and consulting roles locally and overseas, including the Philippines and Indonesia.

During his career Mr Warr has provided services to a range of companies, including listed resources companies, which has centred around audit, due diligence reviews and the preparation of expert reports.

Peter Alphonso Company Secretary

Mr Alphonso has over 40 years of experience with the auditing, engineering and communications industries, with the majority of his experience centred on the gold and nickel sectors of the mining industry.

Mr Alphonso's experience has included associations with Coopers and Lybrand, Western Mining Corporation, Great Central Mines and Ti-west Joint Venture. As Company Secretary, Mr Peter Alphonso is responsible for the corporate secretarial functions of the Company.

James Llorca GM Geology & Resources

Mr Llorca is a geologist with more than 40 years of practical experience in both technical and management roles in the exploration, mining, resource development and data processing industry.

He has been a Director of Philsaga Mining Corporation since March 2018 and held the GM Geology and Resources role for Medusa since 2016.

Mr Llorca leads Medusa's exploration activities in the Philippines and is involved in the identification of new exploration opportunities in the Asia Pacific region. He holds a Bachelor of Science Degree in Geology, a Master of Applied Science in Geospatial Information and is a member of the AusIMM and Australian Institute of Geoscientists.

Pillars of Shareholder Value



Balance Sheet Strength

Strong Operational Cash Flows

Net cash and bullion of A\$99.4M, equivalent to A\$0.46/share. _

- Will retain more physical gold moving forward and report on _ a per share value basis.
- Use gold to create income. _
- Guidance remains for 90koz 95koz of unhedged gold production in FY22.
- Consistent production from the Co-O mine for 13 years.
- Operational improvements and cost reductions expected from investment in Tigerway decline.
- Consistent track-record of reserve replenishment.
- Large Drummond Basin landholding on the verge of a major 12 – 24 month drill program.
- Asymmetrical risk/reward profile and strong management support.
- Exploration cost have minimal impact on balance sheet or cash flow from operations.

Growth Objectives – Leveraging Our Strengths



Options

Operations and Exploration

Co-O is a Reliable and Replenishing Orebody

- The Co-O Gold Mine has been continuously producing gold for more than a decade.
- In 2020, the mine achieved the milestone of having produced 1 million ounces.
- Reserves growth has sustained production with steady replenishment.
- The narrow, high-grade orebody continues below current reserve limits and remains open at depth.
- Reserve and resource drilling will remain efficient and seek to maintain a comfortable forward mine life while managing drilling costs.

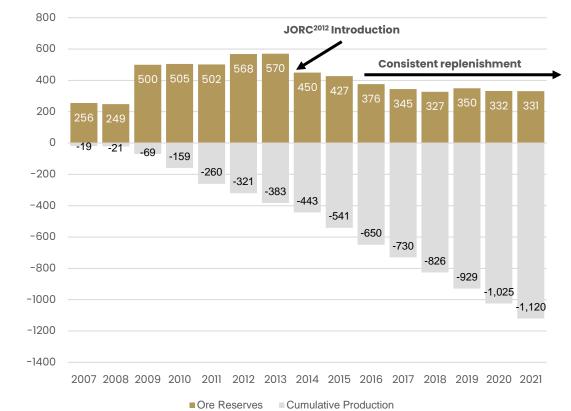
Total Group Mineral Resources and Ore Reserves estimates at 31 Dec 2020

Description	Tonnes	Grade (g/t gold)	Contained Gold (ounces)
Total Co-O Mineral Resources	2,310,000	9.77	726,000
Total Mineral Resources ^(1,2)	3,236,500	8.09	841,000
Total Ore Reserves ⁽¹⁾	1,890,000	5.45	331,300

Notes:

1. Full details of Mineral Resources and Ore Reserves, including category and deposit type, are published in the ASX as at 13 April 2021 and Company Website (<u>www.medusamining.com.au</u>)

2. Mineral Resources are inclusive of Ore Reserves.



Co-O Mine Production History

Notes: • 2012-13 impact of +US\$1,600 per ounce gold price; and

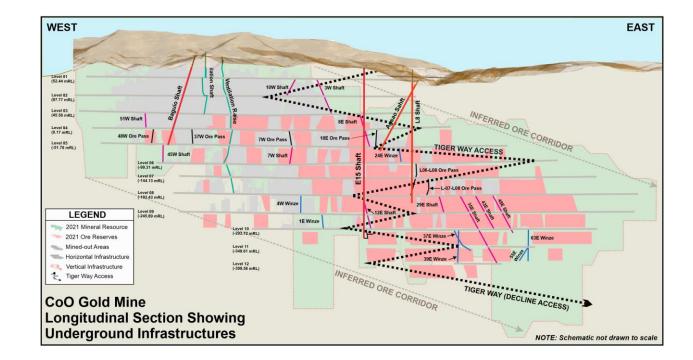
Introduction of JORC 2012 guidelines in 2014

Tigerway Decline

A critical infrastructure project which will set-up the Co-O Operation for the next decade

- Mining activities and decline construction are running concurrently with no interruption to gold production.
- Scheduled for completion in Q3, 2024.
- Project funded from existing cash reserves and future operational cash flow.
- Current Reserve extends to Level 12 and is only constrained by drilling.
- Significant potential to extend inventory below Level 12 based with high-grade mineralisation intersected at Level 16 and remaining open down dip.
- Decline to further enhance drilling platforms.

Key Parameters	
Capital cost	US\$54M
Project duration	36 months
Dimensions	5.3m x 5.3m – arched back
Initial depth	Level 14 (~730m)
Gradient	1:7
Resources L12-16	129.3koz



Co-O Exploration and Resource Expansion

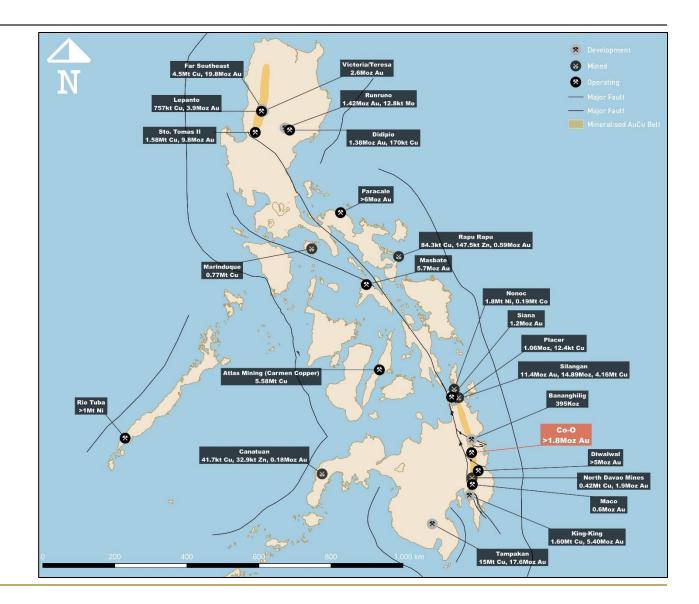
Co-O Overview

Philippines

- A highly mineralised country which hosts major gold, copper-gold and nickel deposits.
- Contains more than 75Moz of known gold resources including more than 40Moz in Mindanao where Co-O is located.
- Moratorium on the approval of new mineral agreements lifted in 2021.
- Medusa's mining and processing operations have continued uninterrupted for more than a decade, due to Medusa's track record of exceeding environmental and regulatory compliance (ESG).

Co-O Operation

- Established position on a major mineralised trend.
- Tenement position extends for 122km².
- Underground operation with minimal surface footprint.
- Award winning rigorous environmental management plans being successfully implemented and monitored.



Regional Exploration

Royal Crowne Vein deposit

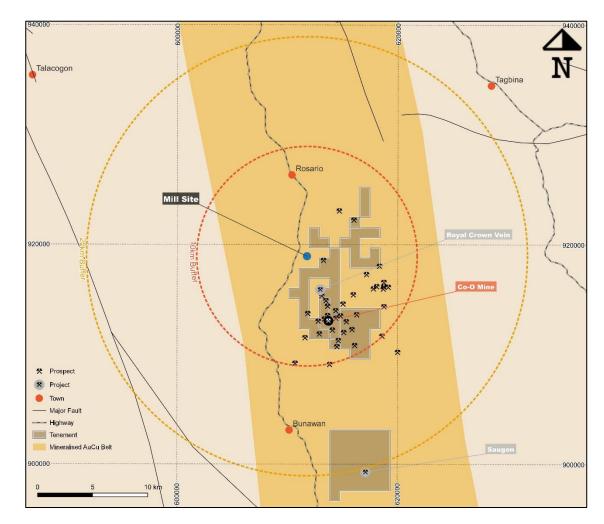
- Potential satellite feed source located ~3km from Co-O mill. High-grade deposit located within 150m of surface.
- Rapid resource growth in 2020 saw the grade increase by 42% and total ounces increase by 446% to 335kt @ 6.59g/t for 71,000oz.
- Open at depth and down plunge.
- Initial eight holes for 2,568m completed in the December Quarter 2020 with strong intercepts including:
 - 1.05m @ 16.1g/t Au, 2.3m @ 7.8g/t Au and 1.45m @ 46.7g/t Au

Subsequent six-hole program totalled 2,034m completed in March Quarter 2021 with intercepts including:

1.8m @ 3.27g/t Au, 1.5m @ 2.53g/t Au and 1.7m @ 4.13g/t Au

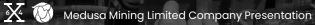
An underground approach to further development being planned through the Tigerway decline

Resource Category	31 Dec 2019			31 Dec 2020			Variance		
	Tonnes	Au (g/t)	Au (oz)	Tonnes	Au (g/t)	Au (oz)	Tonnes	Au (g/t)	Au (oz)
Indicated	61,000	4.93	10,000	51,000	5.55	9,000	(16.4%)	12.6%	(10.0%)
Inferred	26,000	4.01	3,000	284,000	6.80	62,000	992.3%	69.6%	1,966%
Total	87,000	4.65	13,000	335,000	6.59	71,000	285.1%	41.8%	446.2%



Queensland Exploration

Introducing 1064 Gold Exploration in Central Queensland's Drummond Basin



1064 Gold Acquisition

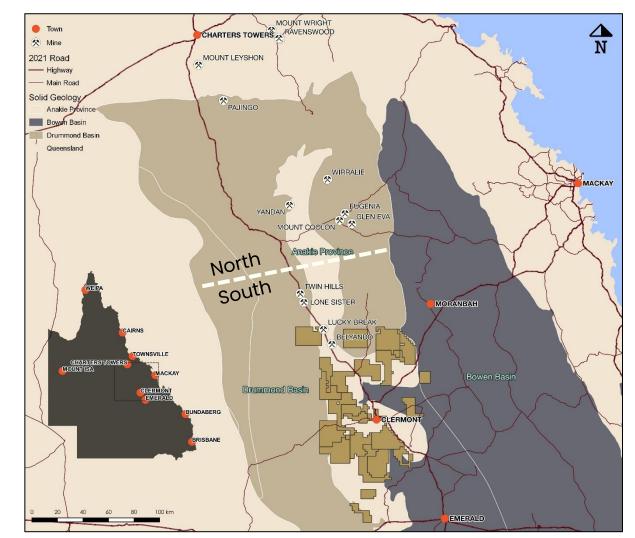
Medusa secured a 100% interest in 1064 Gold's 4,150 km² exploration land package in the southern Drummond Basin region of Central Queensland.

- The Drummond Basin assets include a pipeline of exploration targets that have been built and advanced by the 1064 team over the past five years. As part of the Transaction, 1064's exploration team are now supporting the exploration program in the Drummond Basin in partnership with Medusa.
- Intrusion-Related Gold Systems have proven to be big and very valuable, bulk tonnage deposits.
- These deposits are typically undercover and require the application of geophysics and detailed soil analysis prior to drilling.

The region is endowed with over 17.5Moz of known gold resources including five deposits >1Moz.

Ryan Welker, Medusa Managing Director, commented:

"Medusa will accelerate the plan already in place by 1064. It's a very large portfolio in a highly prospective region capable of a significant discovery, and we expect lot of activity and success for the region in the near term"



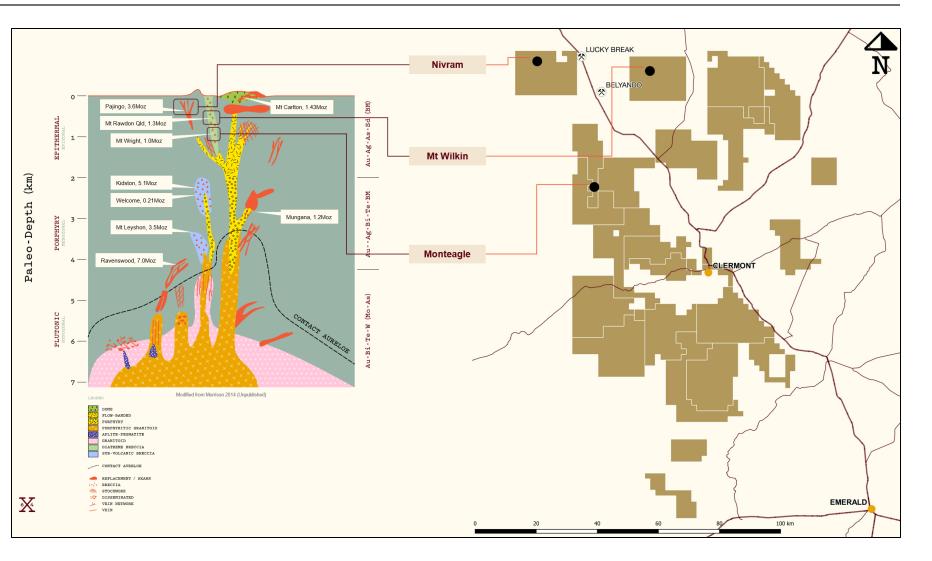
1064 Gold Acquisition

The portfolio features three large targets as priority.

- Monteagle is an 18km strike along a regional structural boundary with high-grade rock chip samples. One diamond drill hole intersected a large breccia pipe with significant hydrothermal veining.
- Mt Wilkin is a 5.5km² alteration footprint with a 950m x 650m gold in soil anomaly.
- Nivram is a 2km long gold in soil anomaly identified within a 15kmwide eroded caldera. Targeting a low sulphidation, high grade epithermal deposit.

Further soil sampling and extension geological mapping planned to commence this Quarter.

Geophysical surveys and drilling underway.



Appendices

Appendix 1 – Resources and Reserves

Deposit	Category	Tonnes⁴	Grade ⁴ (g/t gold)	Gold⁴ (ounces)
MINERAL RESOURCES ^{1,2}	Measured	252,000	9.84	79,600
	Indicated	1,264,000	10.07	409,100
Co-O Resources ¹ (JORC 2012)	Measured & Indicated	1,516,000	10.03	488,700
	Inferred	794,000	9.30	237,200
Total Co-O Resources	Measured, Indicated & Inferred	2,310,000	9.77	725,900
Saugon Resources ³ (JORC 2004)	Indicated	47,500	7.00	10,700
	Inferred	34,000	4.60	5,000
Total Saugon Resources	Indicated & Inferred	81,500	6.00	15,700
TSF#1 Tailings Resources (JORC 2012)	Indicated	510,000	1.72	28,200
Total TSF#1 Tailings Resources	Indicated	510,000	1.72	28,200
Royal Crowne Vein	Indicated	51,000	5.55	9,000
	Inferred	284,000	6.80	62,000
Total Royal Crowne Vein (JORC 2012)	Indicated & Inferred	335,000	6.59	71,000
	Measured	252,000	9.84	80,000
TOTAL RESOURCES	Indicated	1,872,500	7.59	457,000
	Inferred	1,112,000	8.52	304,000
TOTAL RESOURCES	Measured, Indicated & Inferred	3,236,500	8.09	841,000
ORE RESERVES ²	Proven	249,000	7.49	59,800
Co-O Reserves ² (JORC 2012)	Probable	1,641,000	5.14	271,500
TOTAL RESERVES	Proven and Probable	1,890,000	5.45	331,300

Notes:

1. Mineral Resources are inclusive of Ore Reserves

2. Co-O, TSF#1 and RCV Mineral Resources and Co-O Ore Reserves estimated under guideline of JORC 2012

3. Saugon Mineral Resources were previously prepared and first disclosed under the JORC 2004 and have not been

updated to comply with JORC 2012 on the basis that the information has not materially changed since it was last reported

4. Rounding to the nearest 1,000 or 100 may result in some slight apparent discrepancies in totals used in all tables

Appendix 2 – Proposed Company Name Change

The Proposed Company name change is to be resolved at an Extraordinary General Meeting held on Wednesday, 4 May 2022, commencing at 10.30 am (Sydney time) at Shangri-La Sydney, 176 Cumberland Street, The Rocks, New South Wales, 2000

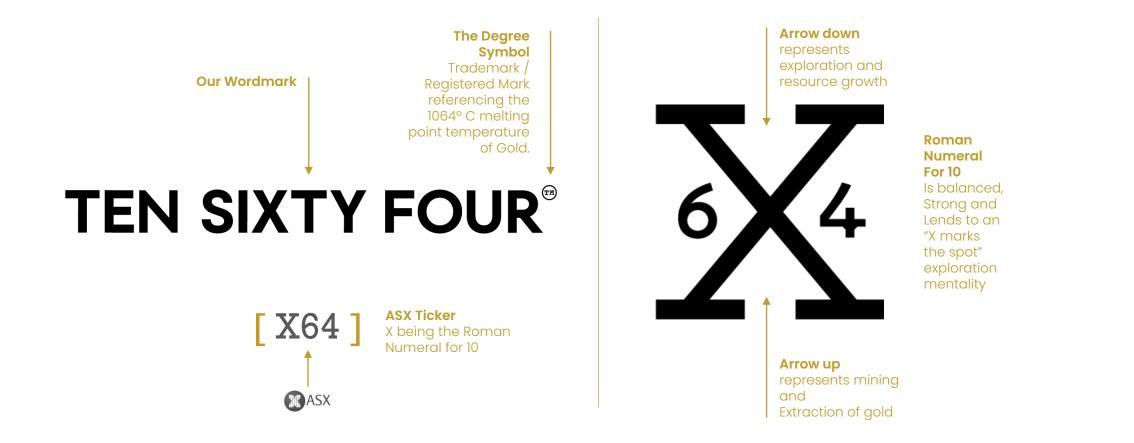
Rationale for the name change

- The adoption of a new growth strategy by the leadership team presents a logical opportunity to refresh our image and brand.
- The 1064 brand brings strong local recognition in Queensland after operating in the Drummond Basin for the past five years.
- Low cost transition by adopting an existing brand with extensive existing branding infrastructure.

Elements and spirit of the name & brand

- Bold, strong and well defined.
- Translates well into other cultures and languages.
- 1064° is the melting point of gold it is specific to gold and reflects our commitment to the gold sector.

Appendix 2 – Proposed Company Name Change



Improving Community, Safety and Environment Performance Mergers Acquisitions, Capital Allocation and Internal Growth

Enhanced Market Communications