

# Targeting Giant Gold & Copper Deposits in Cambodia

SEPTEMBER 2023



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Gilbert Rodgers - Telephone:+61 419 383 710; Email: gilbert@unityenergy.com.au

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#### Don't invest unless you're prepared to lose all the money you invest. This is a high-risk investment and you are unlikely to be protected if something goes wrong.

Due to the potential for losses, the Financial Conduct Authority (FCA) considers this investment to be high risk.

#### What are the key risks?

1. You could lose all the money you invest

• If the business you invest in fails, you are likely to lose 100% of the money you invested. Most start -up businesses fail

#### 2. You are unlikely to be protected if something goes wrong

• The business offering this investment is not regulated by the FCA. Protection from the Financial Services Compensation Sche me (FSCS) only considers claims against failed regulated firms. Learn more about FSCS protection here. [https://www.fscs.org.uk/what-we-cover/investments/]

#### 3. You won't get your money back quickly

• Even if the business you invest in is successful, it may take several years to get your money back. You are unlikely to be able to sell your investment early.

- The most likely way to get your money back is if the business is bought by another business or lists its shares on an excha nge such as the London Stock Exchange. These events are not common.
- If you are investing in a start -up business, you should not expect to get your money back through dividends. Start-up businesses rarely pay these.

#### 4. Don't put all your eggs in one basket

- Putting all your money into a single business or type of investment for example, is risky. Spreading your money across different investments makes you less dependent on any one to do well.
- A good rule of thumb is not to invest more than 10% of your money in high-risk investments. [https://www.fca.org.uk/investsmart/5-questions-ask-you-invest]

#### 5. The value of your investment can be reduced

• The percentage of the business that you own will decrease if the business issues more shares. This could mean that the valu e of your investment reduces, depending on how much the business grows. Most start-up businesses issue multiple rounds of shares.

• These new shares could have additional rights that your shares don't have, such as the right to receive a fixed dividend, which could further reduce your chances of getting a return on your investment.

If you are interested in learning more about how to protect yourself, visit the FCA's website here. [https://www.fca.org.uk/investsmart]

# Unity Snapshot



- Building a portfolio of highly prospective minerals projects in SE Asia
- "First Mover" advantage
- Focused on the discovery of "giant" intrusion-related gold (IRG) and/or porphyry copper - gold deposits in Cambodia
  - Ngot Project: adjacent to producing +1.1Moz granite-hosted gold mine<sup>1</sup>
  - O'Phlay Project: high-grade gold vein swarm in granite
  - Ta Vaeng Project: major porphyrystyle copper-gold targets associated with vegetation anomaly/altered lithocap
- Board & management with extensive Asian operating experience
- Intended IPO (ASX) H1 CY2024

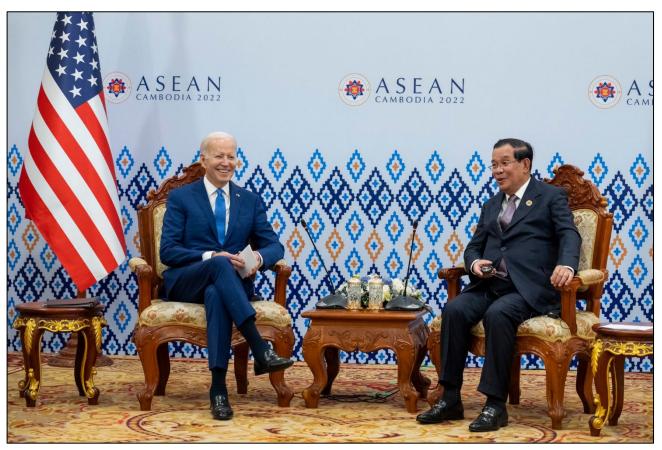


1. Emerald Resources ASX Announcement 1 May 2017 (Indicated & Inferred Mineral Resource: 17.68Mt @ 2.01g/t gold for 1,141,000oz oz gold)

# Cambodia Overview



- Political and social stability last general election 23 July 2023
- Member of ASEAN
- Party to the ASEAN-Australia-New Zealand Free Trade Area (AANZFTA)
- Tax treaty & investment treaty with Singapore
- Favourable fiscal regime for mining 100% ownership, 30% corporate tax, 3% royalty (gold), import duty exemptions<sup>1</sup>
- No restrictions on foreign currency convertibility and repatriation<sup>2</sup>
- Transparent exploration-mining title process
- Highly under-explored

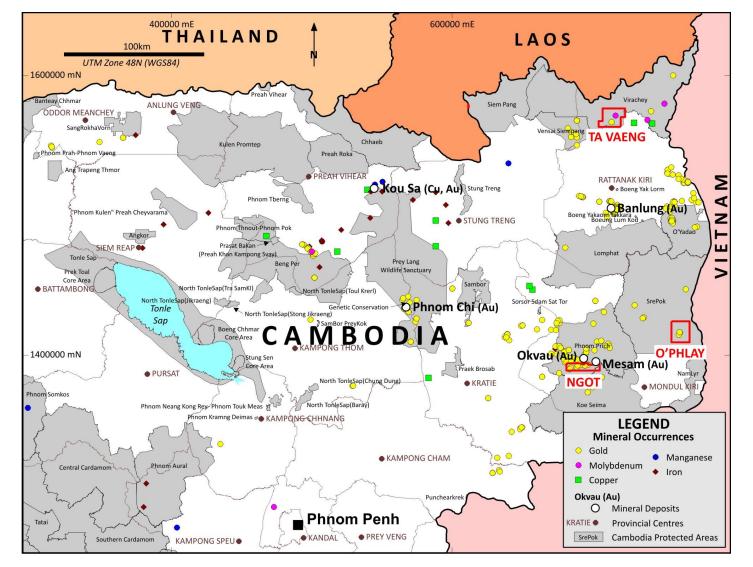


Meeting between President Joe Biden (USA) and Prime Minister Hun Sen (Cambodia) at 2022 ASEAN Summit in Phnom Penh (November 2022)

- 1. PWC Cambodia country overview https://taxsummaries.pwc.com/cambodia
- 2. Handbook on Investing in Cambodia 2023 Edition Australian Department of Foreign Affairs and Council for the Development of Cambodia.

### **Cambodia Protected Areas**





- Unity exploration licences & licence applications located within (or partially within) Ministry of Environment (MOE) protected areas (pale grey on map)
- Cambodian government seeks a balance between conservation & development
- Exploration subject to completion of Initial Environmental & Social Impact Assessment (IESIA)
- Exploitation subject to Final Environmental & Social Impact Assessment (FESIA) & Feasibility Study
- Cambodian Government can re-zone protected areas to "Sustainable Use" to allow mining licences to be granted
- 11.5km<sup>2</sup> of protected area re-zoned for the Okvau Gold Mine (adjacent Ngot Project)

# Ngot Gold – Cambodia





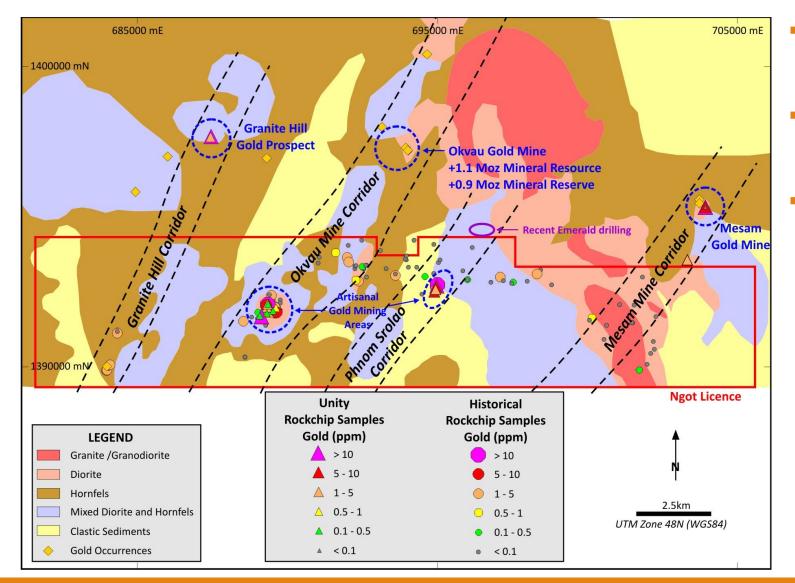
Diorite with quartz breccia veins and disseminated chalcopyrite grading 44g/t gold, 119g/t silver & 1.1% copper from Okvau Mine Corridor within the Ngot licence

- Unity exploration licence (area 112.4km<sup>2</sup>)
- Unity Metals (Cambodia) Co. Ltd (Unity 85%; local partner 15%)
- Granted 4 August 2023 (3 years + 2 x 2 year renewals)
- Located in MOE protected zone (Phnom Prich Nature Reserve)
- Emerald Resources (ASX:EMR) Okvau Gold Mine (Indicated & Inferred Mineral Resource of 17.7Mt @ 2.0g/t gold for 1.1Moz of gold<sup>1</sup>) mining licence is directly adjacent to the Ngot exploration licence.
- Mineralisation within Ngot is similar to the intrusion-related gold (IRG) style of mineralisation at the Okvau Gold Mine. Cretaceous polyphase intrusions and structures hosting Okvau extend into Ngot
- Early work by Oxiana/Oz Minerals (2006 2012), however a deal on Ngot never secured & it remains unexplored
- Intrusion-Related Gold (IRG) similar to Tintina Gold Province in Alaska (e.g. Pogo: 6Moz @ 9.6g/t gold)
- Gold association with bismuth, antimony, tellurium & arsenic

<sup>1.</sup> Emerald Resources ASX Announcement 1 May 2017

# Ngot Gold – Geological Interpretation

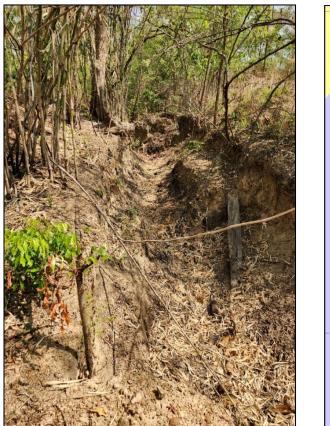




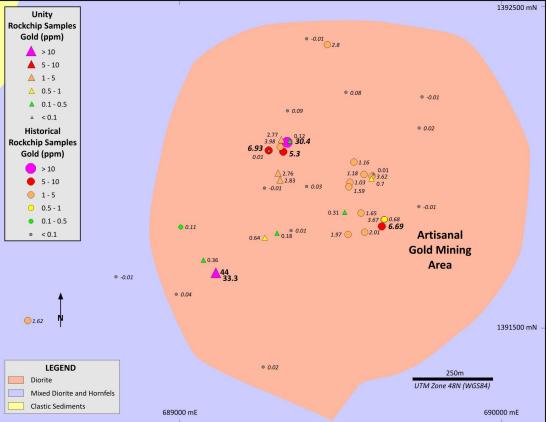
- Extensive areas of recent and historical artisanal mine workings (both on primary and alluvial gold mineralisation).
- Multiple parallel zones of primary gold mineralisation located in and around the mine workings.
- Mineralisation generally lies within distinct NNE trending corridors:
  - **Okvau Mine Corridor**: extends from the Okvau Gold Mine 2.5km NNE of Unity's licence.
  - Mesam Mine Corridor: sheeted veins extend thorough eastern portion of Ngot from the Mesam Gold Mine (1.8km NNE).
  - Phnom Srolao Corridor: sheeted veins which are the current focus of artisanal mining in Ngot.
  - **Granite Hill Corridor**: veins located in the western portion of Ngot. Historical rock chips up to **1.3g/t gold.**

### Ngot Gold – Okvau Mine Corridor





Diorite-hosted hard rock artisanal mine workings at Ngot



Unity & historical Oxiana rock chip samples from the diorite intrusion in the Okvau Mine Corridor with Ngot

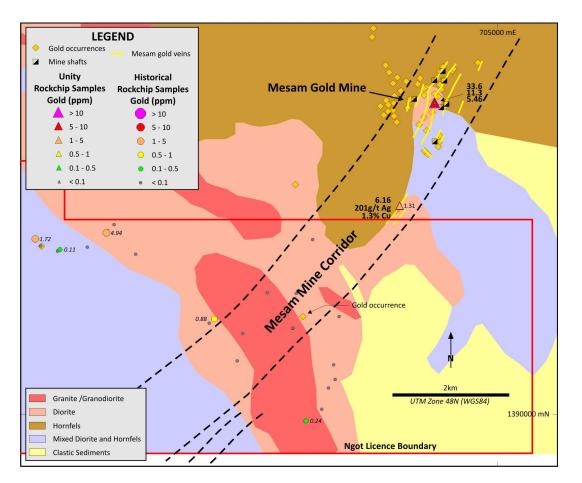
- Okvau Mine Corridor extends ~7.1km through Ngot
- Primary gold mineralisation associated with sheeted & stockwork quartz ± arsenopyrite veins
- Hosted within a 2.5km x
  1.3km diorite intrusion
- Numerous historical artisanal mine pits
- Unity rock chip sampling returned assays up to
   44g/t gold & 33.3g/t gold

### Ngot Gold – Mesam Mine Corridor





Mineralisation located 200m north of Ngot boundary



Mesam Mine Corridor – geological interpretation

- Mesam Mine Corridor extends ~5.4km through Ngot
- Primary gold mineralisation associated with sheeted quartz + pyrite + pyrrhotite ± chalcopyrite veins
- Unity rock chip sampling returned assays up to 33.6g/t gold from Mesam Mine
- Artisanal mine pits only 200m north of Ngot licence (Unity sample returned 6.2g/t gold, 202g/t silver & 1.3% copper)

### Ngot Gold – Phnom Srolao Corridor





Sheeted quartz-arsenopyrite mineralisation (this Unity rock chip sample assayed 26.9g/t gold & 17.8% arsenic)



- Phnom Srolao Corridor extends
  ~6km through Ngot
- Primary gold mineralisation associated with sheeted quartz + arsenopyrite veins
- **~50m** wide zone

- Current focus of artisanal mining in Ngot
- Recent Emerald RC drilling along strike (1.9km NNE)
- Unity rock chip samples returned up to 26.9g/t gold, 9.9g/t gold & 3.9g/t gold

# Okvau Gold Mine – Cambodia





Okvau open pit April 2023 – 2.5km from the Ngot licence



Emerald Resources NL 100% (ASX:EMR; market cap A\$1.4B<sup>1</sup>)

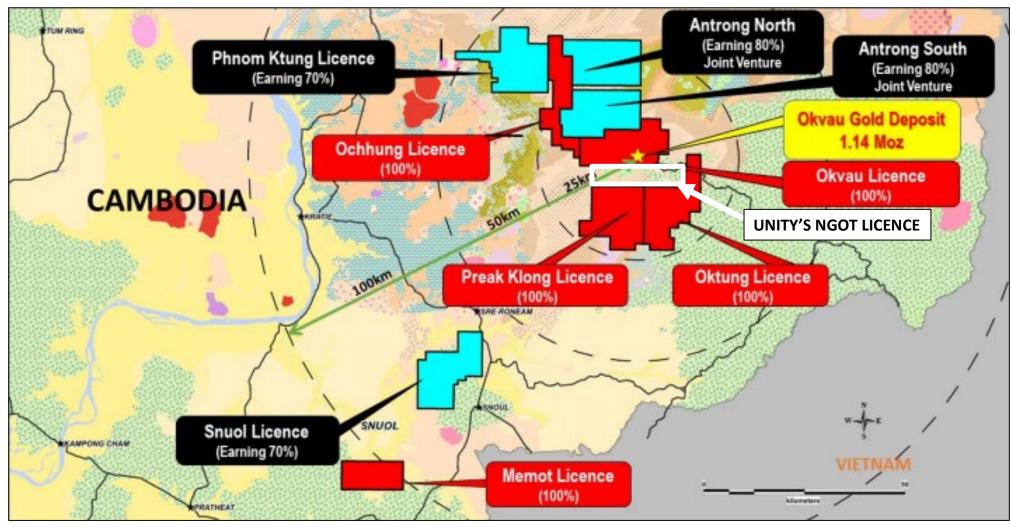
- Indicated & Inferred Mineral Resource: 1.1Moz; Ore Reserve:
  0.9Moz<sup>2</sup>
- Intrusion-related gold deposit
- Construction "On time and On Budget" (US\$97.6M)<sup>3</sup>
- First commercial mine in Cambodia
- +100kozpa production (first gold pour June 2021)<sup>4</sup>
- One of the lowest cost producers on the ASX (June 2023 Qtr 27.2koz at AISC US\$789/oz)
- Located in MOE protected zone (Phnom Prich)
- Unity can leverage off Emerald's success

- 2. Emerald Resources Announcement 1 May 2017 Okvau DFS Delivers Ore Reserve of 907,000oz
- 3. Emerald Resources Announcement 24 June 2021 Maiden Gold Pour at the Okvau Gold Mine
- 4. Emerald Resources Announcement 21 September 2021 Okvau Gold Mine Ramps Up to Full Production
- Emerald Resources Quarterly Report June 2023

<sup>1. 21</sup> August 2023

### Okvau Gold Mine – Emerald's Licences



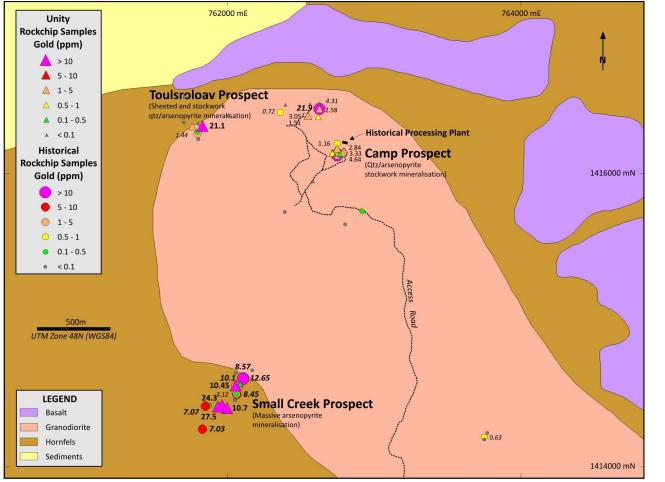


*Red -100% Emerald; blue – under Emerald joint venture with 3rd party* 

Source: Emerald Resources June 2023 Quarterly Report

# O'Phlay Gold – Cambodia





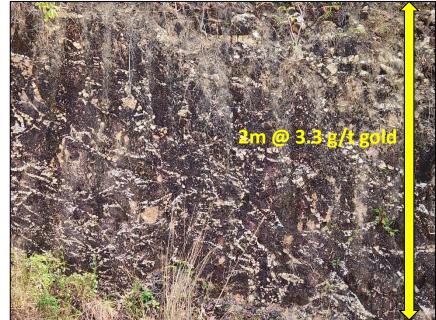
- Unity exploration licence (area 195.6km<sup>2</sup>)
- Unity Metals (Cambodia) Co. Ltd (Unity 85%; local partner 15%)
- Granted 4 August 2023 (3 years + 2 x 2 year renewals)
- Located in MOE protected area (SrePok)
- Historical mining operation (Gold Metal Group) & limited exploration
- Intrusion-Related Gold (IRG) style mineralisation (similar to Okvau gold deposit)
- Broad zones (up to 40m wide) of sheeted & stockwork quartz + arsenopyrite vein mineralisation hosted in granodiorite & hornfels (sediments)
- Unity rock chips up to 27.5g/t gold, 24.3g/t gold, 21.1g/t gold
- Historical Oxiana/OZ Minerals rock chip sampling returned gold grades up to 16.4g/t gold<sup>1</sup>,<sup>2</sup>

2. OZ Minerals Ltd: Project Submittal Summary Update – January 2010

<sup>1.</sup> Oxiana Ltd: Project Submittal Summary – November 2008

### O'Phlay Gold – Photos





Intense stockwork quartz-arsenopyrite veins hosted in granodiorite at Camp Prospect





High-grade gold quartz – arsenopyrite mineralisation at O'Phlay



Chinese gold plant at O'Phlay, now abandoned. Historical Oxiana sampling of the concentrates returned up to **432g/t gold** 



# Ta Vaeng Copper & Gold – Cambodia





- Unity exploration licence application (area 199km<sup>2</sup>)
- Unity Metals (Cambodia) Co. Ltd (Unity 85%; local partner 15%)
- Situated in MOE protected area (Virechy National Park)
- Oxiana had strong interest in the area (application lodged 2007)
- Large altered volcanic package (massive, vuggy & granular silica with pyrophyllite-dickite-diaspore-andalusite-topaz) an interpreted lithocap
- 7km x 5km vegetation anomaly believed to be due to hydrothermal alteration above intrusive system
- Sulphur-rich springs
- Recorded molybdenum occurrence
- The scale of the system and the intensity of the alteration suggests potential for sizable mineral deposit (Unity is targeting copper-gold)
- No drilling has ever been conducted
- IESIA study completed & Inter-Ministerial Meeting approval received on 17 August 2023. Waiting final approval by Ministry of Environment

### Ta Vaeng Copper & Gold – Vegetation Anomaly









Lithocap

Lithocap samples – strongly altered felsic volcanics with intense silicification or advanced argillic alteration dominated by pyrophyllite & quartz

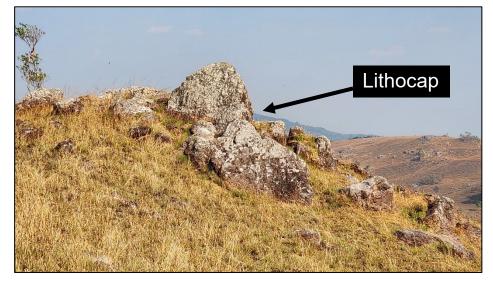


# Ta Vaeng Copper & Gold – Photos



Access track through the jungle to the vegetation anomaly





Ta Vaeng vegetation anomaly & lithocap



Western margin of the vegetation anomaly



# Path Forward

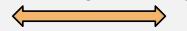


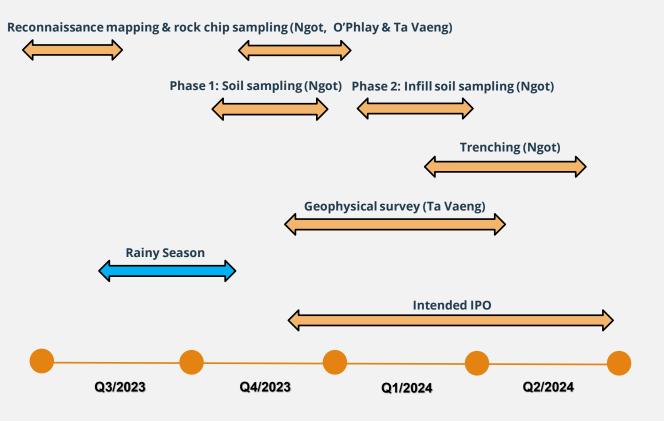
#### Ngot

- Licence granted 4 August 2023
- Reconnaissance mapping & rock chip sampling
- Soil sampling (200m 400m x 50m & infill follow-up 100m x 50m)
- Trenching
- O'Phlay
  - Licence granted 4 August 2023
  - Reconnaissance mapping & rock chip sampling
- Ta Vaeng
  - Submission of final IESIA report/grant of licence
  - Reconnaissance mapping & rock chip sampling
  - Petrological study of lithocap samples (Paul Ashley, Armidale)
  - Re-processing & 3D modelling of historical magnetics geophysics
  - 2D/3D IP geophysical survey (200m lines, 100m dipoles & to be conducted in 3 phases)
  - UAV Lidar & Magnetic geophysical surveys Note: Ta Vaeng IP, Lidar & magnetics geophysics may be deferred and additional exploration conducted at Ngot if early results positive
- Corporate
  - Phase 2 Pre-IPO fund raise
  - Intended IPO 1H CY2024

### **Indicative Timeline (12 Months)**

IESIA/Licence grant of Ta Vaeng





### **Board & Management**





**Mr Andrew Wright** 

#### **Non-Executive Chairman**





**Mr Gilbert Rodgers** 

#### **Managing Director**

Mr Rodgers is a Chartered Accountant and has been involved in the mining industry in Australia, Africa, Asia for more than 30 years. He was previously executive director for a number of ASX listed companies. He is a Fellow of the Australian Institute of Company Directors and Associate of the Chartered Accountants Australia-New Zealand. Mr Rodgers now works full time for Unity.



**Mr Craig Mackay** 

#### **Technical Director**

Geologist with over 30 years experience in gold, base metals, coal, and iron ore in more than 40 countries; and previous positions with major resource companies. He was the Managing Director of ASX-listed Golden Rim Resources for 15 years. He is a Member of the Australasian Institute of Mining & Metallurgy.



**Mr Mark Ashall** 

#### **Non-Executive Director**

Managing Director of Ashall Property and Associated Companies, which is a property development and asset management group, established since 1930's. He also has a long and successful history of operating in South East Asia holding senior management positions with the Swire Group (Hong Kong) and with Indochina Assets Ltd (Cambodia, Vietnam and Myanmar). Trustee of ISF, a charity which provides education to 700 underprivileged children in Cambodia.



Mr Graham Moir

#### General Manager Cambodia

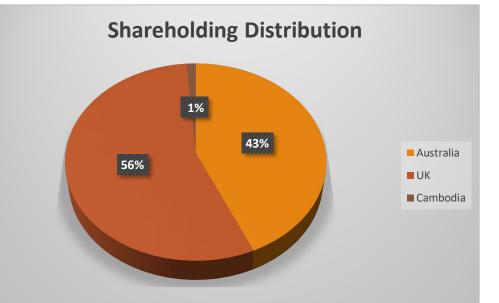
Mr Moir has over 40 years experience in the resources industry with 24 years in oil & gas and 18 years in mining exploration in Cambodia and Laos He was Cambodia country manager for Oxiana & Oz Minerals & Cambodia country representative for Pan Australian/Phu Bia Mining. He was involved in both the exploration & construction phases of the Okvau Gold Project. Okvau is now the first major gold production mine in Cambodia with first gold June 2021 and annual production approximately of 100,000 ounces.

### **Corporate Summary**



- Unity Energy & Resources (Singapore) Ltd.
- Cambodian projects held by Unity Metals (Cambodia) Co. Ltd. local partner holds 15% of the shares (free-carried to Feasibility completion)
- Intention to list Unity on the Australian Securities Exchange (ASX) H1 CY2024
- Canaccord Genuity (Australia) appointed Lead Manager

SHARE STRUCTURE	Description	Quantity	Comments	
Issued Shares	Ordinary shares	54,217,893		
Issued Warrants	Feb 2026	21,692,852	US\$0.05 conversion (March 2023 pre-IPO raise)	
	May 2026	5,212,702	US\$0.30 conversion (US\$0.05 partly paid)	
Issued Options	ESOP Dec 2023	2,350,000	US\$0.15 conversion	
	ESOP May 2025	3,785,570	US\$0.20 conversion	
	ESOP May 2026	4,500,000	US\$0.05 conversion	
No. of Shareholders		95		



#### **Major Shareholders**

	Directors	30.5%
•	LOWELL RESOURCES FUNDS MANAGEMENT	6.2%

## **Investment Highlights**





#### **NEW OPPORTUNITY**

- Brand new exploration licences
- Highly under-explored areas (no drilling)



### **EMERGING MINING JURISDICTION**

- First commercial mine in Cambodia a big success
- Government highly supportive of Unity, transparent licencing

### POTENTIAL FOR TIER 1 GOLD/COPPER-GOLD DISCOVERY

- Intrusion-related gold & porphyry copper-gold districts
- Intrusions & structures that host the mineralisation at Okvau Gold Mine extend directly into Ngot



### **CHEAP ENTRY**

Participation in the pre-IPO raisings offer ground floor entry (next raise at a premium with IPO)



### WORK UNDERWAY

- IESIA's completed
- Exploration has commenced (mapping/sampling)



### **STRATEGIES TO MONETISE**

- Unity plans to list Unity on ASX to provide shareholders with liquidity
- Deals to monetise assets earlier will be considered



Ministry of Environment offices, Phnom Penh

### **Thank You**

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