



November 2023

# **Investor Presentation**

African Mineral Exploration and Development Company

(LSE:URAH)

#### BACKGROUND ON URA

## **About us**

URA listed on the Standard Market of the London Stock Exchange as an African focused mineral exploration company on 2 March 2022



# Strategy

URA's strategy is to seek unique, value-enhancing opportunities in the minerals sector with Southern Africa

#### **Focus**

URA's main focus is bringing one of the world's largest emerald mines, the Gravelotte Emerald Mine (GEM) back into production

#### Resource

Mine resource was previously thought to be close to mined-out but in 2022, URA identified large extensions of the deposit accessible through open pit mining and established a significant JORC Resource capable of sustaining long term mining activities



# **Board & Management**



#### **Edward Nealon**

Non Executive Chairman

Geologist with 47 years' experience in mining and exploration – founder and former Chairman of Aquarius Platinum Ltd dual listed on AIM and ASX, co-founder of Sylvania Platinum Ltd (AIM and ASX), co-founder of Tanzanite One (AIM) – currently non-executive Chairman of AIM-quoted Lexington Gold Ltd



35 years' corporate finance and VC experience bringing many companies to Market directly or by reverse – responsible for rescue and initial refinancing of URA.



#### **Dr Bernard Olivier**

**Chief Executive Officer** 

Geologist with 24 years' experience in mining & exploration

– led Bezant Resources team establishing JORC gold
resource of 3.9m oz – currently CEO of Lexington Gold Ltd.
Previously CEO of Tanzanite One (AIM:TNZ). During his
period as CEO it was the world's largest producer of
tanzanite and was returned to profitability.



#### **Wessel Marais**

**General Manager** 

Over 25 years' experience in the mining industry, including as General Manager of TanzaniteOne Ltd when it was the world's largest producer of tanzanite and where he managed over 1000 employees



#### **John Treacy**

**Independent Non Executive Director** 

Corporate financier and former solicitor with experience in Capital Markets, Mergers & Acquisitions, IPOs and placings – currently independent Non Executive Director of Ananda Developments plc



#### Sam Mulligan

**Operations Director** 

Based in Lusaka – developed successful businesses across China and Asia – founder director of Africa Prospect Development Zambia, will lead Zambian operations and relations



#### **Jeremy Sturgess Smith**

**Chief Operations Officer** 

Director of Ananda Developments Plc and COO of Montana Global Limited – is responsible for URA's corporate and UK operational matters





# **Gravelotte Emerald Mine (GEM)**

Gravelotte Emerald Mine is historically one of the **largest emerald** mines in the world and was operational from 1929 to 2002 with:



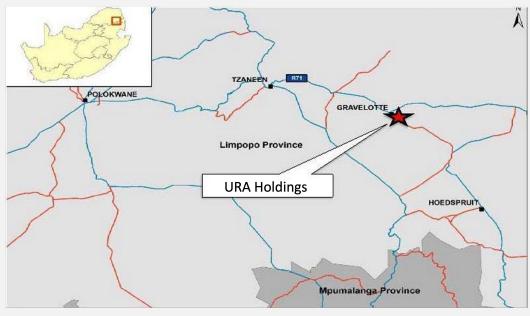
Total recorded historical emerald production from Gravelotte of nearly 113 million carats



the world during the 1960's employing over 400 emerald sorters alone

#### **Gravelotte Emerald Mine is located in NE South Africa**

approximately 50km from the Kruger National Park. Much of the extensive mine site infrastructure has recently been refurbished and upgraded in preparation for recommencing operations



During 2022 URA discovered large extensions of the open pit resource

Gravelotte is now considered ready for the development of staged

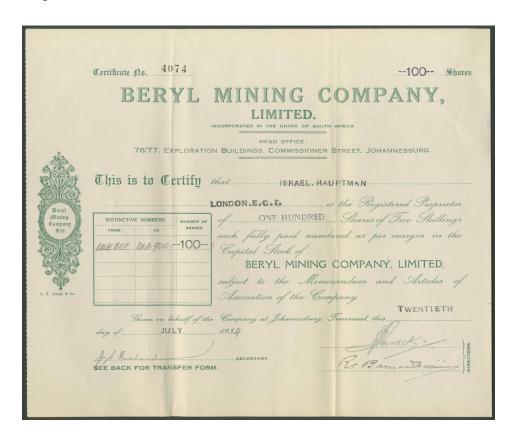
mining operations and a short-term production opportunity



#### AN OVERVIEW

# Gravelotte Emerald Mine – A Rich History

Original Share Certificate For Gravelotte Emerald Mine from 1938





Sorting tables at Gravelotte Emerald Mine in 1978; URA replaces hand sorting through Mechanised Optical Sorting



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## Maiden JORC Mineral Resource

Total Independent maiden JORC (2012) Mineral Resource Estimate of 29 million carats of contained emerald established by ACA Howe International (See Table 1)

Prior to the work conducted by URA in 2022 Gravelotte had no code-compliant Mineral Resource.

JORC Mineral Resource completed by ACA Howe in 2022 comprises of:

#### **Cobra Deposit**

1.2Mt @6.4 g/t for 19.4 million carats of contained emerald

#### **Discovery Deposit**

0.7 Mt @ 5.7 g/t for 9.6 million carats of contained emerald

Maiden JORC resource substantially larger than expected at the time of purchase

# ABLE 1

Deposit Zone	Category	Tonnage (million tonnes) Emerald-Bearing Schist <sup>8</sup>	Grade (g/t)	Emerald Tonnes <sup>8</sup>	Emerald Carats (million carats) <sup>8</sup>
Cobra	Inferred	1.2	6.4	3.9	19.4
Discovery	Inferred	0.7	5.7	1.9	9.6
Total	Inferred	1.9		5.8	29.0

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# Additional JORC Exploration Targets

12 Additional JORC (2012) **Exploration Targets** totalling between **168 million carats** and **344 million carats**, as detailed in Table 2



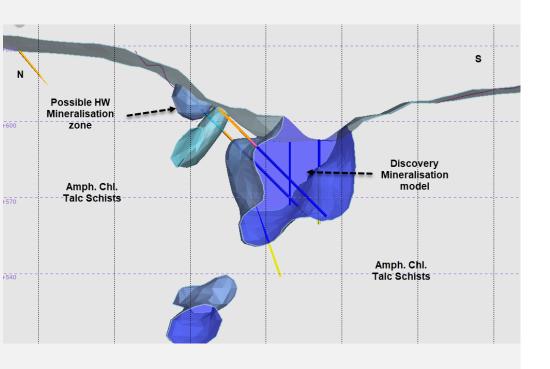
#### TABLE 2

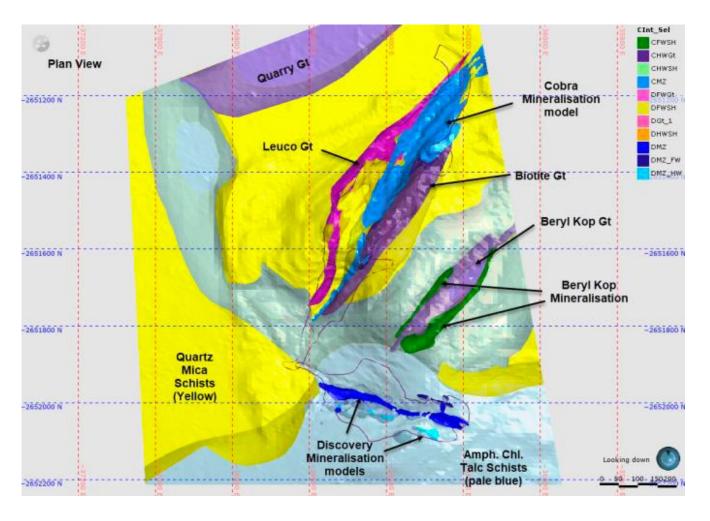
JORC Exploration Target mineralisation for the Gravelotte Emerald Mine

<b>Exploration Target</b>	Tonnage Range		Grade		Emerald Content	
	(MT) (g/t)		Million	Million carats		
	Min	Max	Min	Max	Min	Max
Cobra Pit	0.6	0.8	4.8	8	14	32
Cobra Pit Far North	0.7	0.9	4.8	8	17	36
Cobra Pit South	0.4	0.5	4.8	8	10	20
Discovery Main	0.4	0.5	4.5	7	9	18
Discovery West	0.35	0.45	4.5	7	8	16
Discovery North	0.5	0.7	4.5	7	11	25
Discovery South	0.4	0.5	4.5	7	9	18
Discovery Hill	3.3	4	4.5	7	74	140
Cobra S & Discovery West	0.3	0.4	4.5	7	7	14
Sable Kop	0.1	0.2	4.5	7	2	7
Beryl Kop East	0.2	0.3	2.2	5	2	8
Beryl Kop West	0.4	0.5	2.2	5	4	13
Total carats (million)					168	344

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# 3D Geological Model









# **Gravelotte Mine site and infrastructure photo**



## Mine Infrastructure:

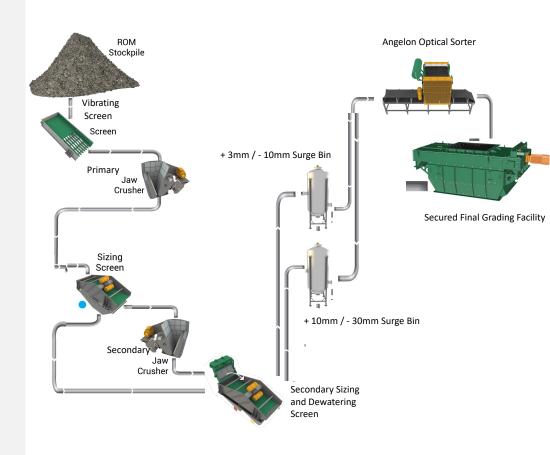
#### The Gravelotte Mine comprises:

- Established infrastructure currently being upgraded and refurbished for mine restart
- Existing and accessible open pits with JORC Resource established in 2022 based on recent drilling and historical mining data
- Nearby and available work force and local onsite technical expertise.
- Plant used for bulk sampling is currently being upgraded and modified for trial mining (phase 1) to commence.
- Phase 1 ready processing plant is more than 60% completed. A primary crusher and primary sizing screen with associated conveyors and dewatering pumps, are all in the process of being sourced, acquired and installed into the current circuit
- Trial mining and processing activities can potentially re-start as soon as 6-8 months from now, subject to all to the upgrades and the commissioning of the Phase 1 plant progressing on schedule.



# **Ongoing mine restart activities:**

- Significant on site work both ongoing and completed as part of preparing for the restart of mining operations at the Gravelotte Emerald Mine:
  - Upgrade of water supply and water storage capacity available for processing operations
  - Completion of site security upgrades and electrical fencing
  - Establishing, rehabilitating and upgrading of the main haulage roads between the open pits and processing plant
  - Rehabilitating and upgrading of the main electrical infrastructure
  - Approximately 1.5ha of historic gold slimes and tailings have been rehabilitated
  - Management accommodation have been refurbished
  - Upgrading of the dewatering and screening circuit



**Gravelotte Processing Flowsheet** 



## **Optical Sorter**

- Custom-made Optical Sorter current being manufactured at Angelon following at successful completion of testwork.
- Manufacturing expected to be completed in late October / early November
- Optical sorter will be shipped to site in containers
- Manufacturer sending engineers to site to commission the optical sorter and train URA employees
- 24h online and remote support from Angelon
- Throughput of up to 20thp depending on size fraction
- Optical sorter will be based on site and will eliminate the need for hand sorting as shown on slide 4 resulting in:
  - Significantly reduced labour
  - Less potential for theft
  - Higher reliability and throughput





GEMFIELDS (AIM:GEM) ACHIEVE RECORD EMERALD SALES DURING 2022

# **Emerald Market & Price Trends**

Emerald demand is driven by the increased promotion and marketing of high-end coloured gemstones as tangible, high-value safe-haven investment. These safe-haven investments, designed to offer wealth protection in uncertain economic times and particularly during times of high inflation, allow investors to diversify away from more traditional investments.

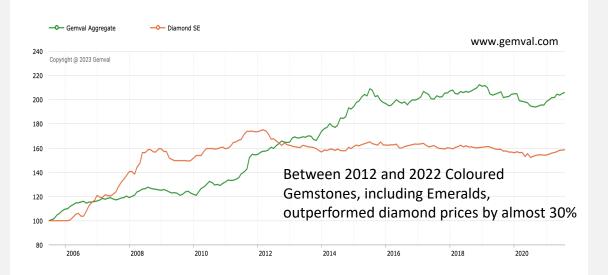


"Now.... younger buyers are coming to appreciate jewels, with their multiplicity of meanings. According to Sotheby's, 25 per cent of its online bidders between January and July were aged 40 and under Source: Financial Times article "Gem Up – why luxury clients are reaching for fine jewellery" – Vivienne Becker October 5, 2020

# Historical values: Emerald Relative index, Jul 2005 = 100.00 WWW.gemval.com Copyright © 2022 Gemval Copyright © 2022 Gemval Jul Aug Sep Oct Nov Dec 2021 Feb Mar Apr May Jun Jul 2006 2008 2010 2012 2014 2016 2018 2020

#### Gemval Aggregate index (GVA)

Gemval Aggregate index (GVA) is calculated as a total value of 26 standard specimens of gemstone and represents the overall pricing trend in the jewelry market. We have monitored GVA values since 1st July 2005. The current value of GVA is measured in %, as a ratio of current GVA value to the initial value on July 2005.



# Emerald price per carat more than doubles for high quality emeralds over 12 months.



In December 2021, price per carat achieved at auction for high-quality emeralds increased to US\$ 150.65. This is 2.5 times higher than the price per carat price achieved in December 2020 and over twice as high as the price per carat achieved in November 2018.



Then in 2022, five emerald batch auctions delivered record revenues of \$149 million (£125million), a 62 per cent increase over 2021.

#### AN OVERVIEW

# Zambian Strategic Minerals Project

100% Ownership of two licences located in NE Zambia, covering over 1,200km² (~296,500 acres)

- · Acquired prior to the acquisition of the Gravelotte Emerald Mine
- Significant potential but greenfields exploration project requiring capital
- Work in Zambia deferred until after the restart of the Gravelotte mining operations



Project is located within

Mesoproterozoic

Lundazi Gneiss Group

consisting of gneisses

and gneissic migmatites

Gneisses and migmatites intruded by numerous pegmatites, known as the Lundazi pegmatite belt ("LPB")

LPB contains Lithium,
Caesium, Tantalum
("LCT pegmatites") as
well Niobium Yttrium
Fluorine ("NYF
pegmatites") pegmatites

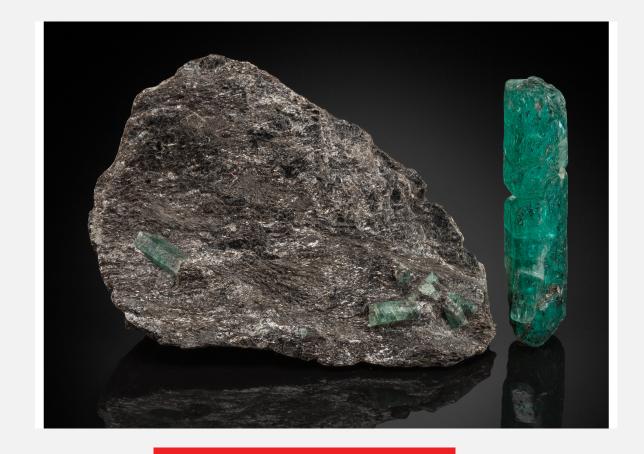
Licence area includes
well known Njoka
graphite deposit with
exploration history
dating back to 1933

All other strategic
minerals hosted within
associated rareelement bearing
complex-type
pegmatites



# Environmental, Social & Governance (ESG)

- Environmentally friendly operations
- No Chemicals used in mine's emerald processing circuit
- Water used in emerald processing plant will be re-circulated and re-used
- Historic gold slimes and tailings on mine site now 80% rehabilitated
- Various game species on site including Impala, Kudu & Bushbuck
- 26% Black Economic Empowerment (BEE) ownership structure
- BEE ownership is primarily comprised of local communities and local black employees via trust structure
- Company is independently Audited and Compliant with all Human Rights, Mining and all other applicable Laws and Regulations



Emerald Crystals from Gravelotte Mine

# **Capital Structure**

Top Shareholders(>3%) and Management as at 1 October 2023



## **Major Shareholders**

AFRICA CRITICAL METALS LIMITED*	60,000,000	34.81%
Pershing Nominees Limited	10,945,746	6.45%
The Bank of New York (Nominees) Limited	9,219,396	6.45%
Ed Nealon	8,834,615	5.13%
GHC Nominees Limited	7,741,499	4.49%
Arbuthnot Latham (Nominees) Limited	5,833,498	3.38%
Vidacos Nominees Limited	5,197,741	3.02%
Peter Redmond	2,426,281	1.41%
Total Shares on Issue	172,345,590	
Market Capitalisation as at 1 October	±£4m	

## **Options & Warrants**

Management Options	20,000,000	1 September 2031
Placing Warrants	28,875,000	24 February 2024

<sup>\*</sup>Ed Nealon have voting control of African Critical Metals



# **Gravelotte Mine Summary of Opportunity**

Large historic economically successful emerald mine with well known geology, existing infrastructure, granted Mining License and near-term production pathway

URA established significant remaining JORC resources and extensions of the open pits.

JORC Resource calculations are based on historical mining data and records as well as recent drilling and bulk sampling conducted over the last 5years

Strong Management team with proven track record in mining including in coloured gemstones

Gravelotte (also called Cobra Emeralds) has brand recognition and demand and is known in the market place. Gravelotte emeralds are known for its exceptional colours.

Trial mining and processing activities can potentially re-start within next 6 to 8 months.

URA aiming to quickly achieve positive cashflow and further expansion primarily from cashflow

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