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15 June 2022

Webinar Presentation

Southern Palladium Limited (ASX:SPD) releases the attached Webinar Presentation.

As announced to the ASX on 10 June 2022, Southern Palladium will also be hosting an investor webinar at **2 PM AEST on Wednesday 15 June 2022**.

For anyone wishing to attend the webinar, please register using the below link.

Register via: https://attendee.gotowebinar.com/register/1943382827663990285

Authorised by the Managing Director.

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SOUTHERN PALLADIUM

SOUTHERN PALLADIUM LIMITED

THE BENGWENYAMA PGM PROJECT

SUCCESSFUL CAPITAL RAISE AND LISTING –

INVESTOR PRESENTATION | JUNE 2022 | ASX: SPD | JSE: SDL

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Bengwenyama project highlights – unlocking substantial value

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PGM POTENTIAL	A large, shallow, advanced exploration / pre-development Platinum Group Metals (PGM) opportunity
LOCATION	In the heart of the Eastern Limb of the Bushveld Complex which contains approx. 72% of the world's PGM resources. Adjacent to other Tier 1 PGM and chrome operations
GEOLOGY	Compelling geology hosting Merensky Reef outcrop, UG2 sub-crop Inferred JORC (2012) Resource: **19Moz (3 PGE+Au)** | Exploration target: Additional **15 to 34Moz (3 PGE + Au)**
FAVOURABLE SPLIT	Prill split currently weighted to Palladium & Rhodium revenue (>80%)
COMMUNITY	A single local community strongly supportive of development
TIMELINE	Two-year program aimed at delivering PFS for significant sized new mine followed by the submission of a Mining Right Application

SPD Corporate and asset ownership structure

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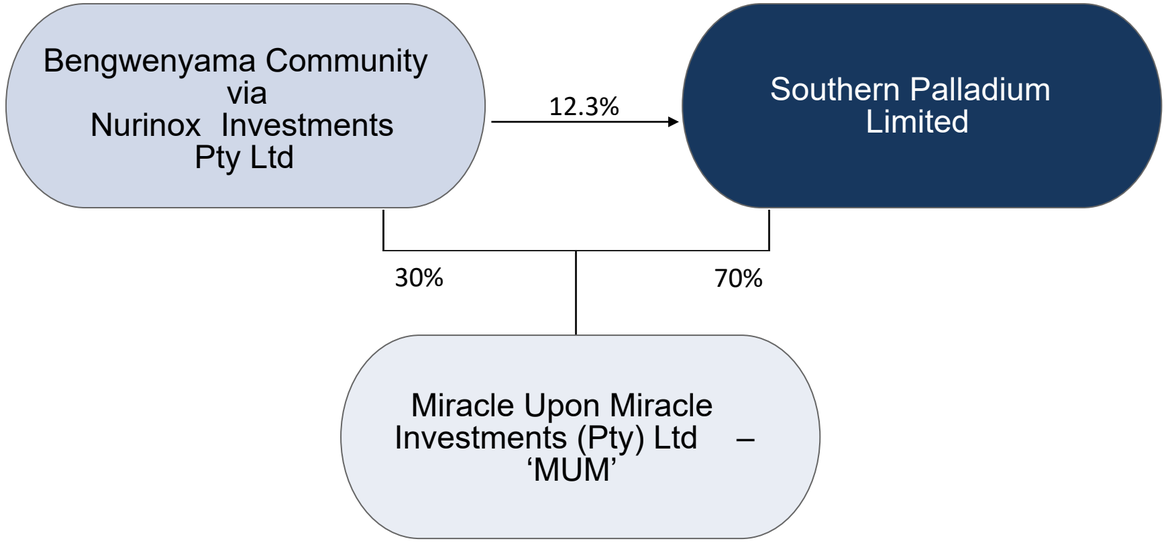
Number of shares	million	
Pre-IPO shares	6.25	7.0%
MUM acquisitions shares	45.50	50.7%
IPO shares	38.00	42.3%
Total	**89.75**	**100%**

Additional securities	million
Founder deferred shares	1.2
Options at 75% premium	7.34

Market Cap and EV	
Market cap @ $0.62 cps	~A$56m
Enterprise value	~A$37m



Directors' Interests	16.4%

Cash at bank	~A$19m

Experienced SPD Board & Management with outstanding track record

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BOARD OF DIRECTORS

NON-EXECUTIVE CHAIRMAN

Terence Goodlace

- 40+ years mining experience including 28 years in executive and leadership roles with Gold Fields Limited
- Previously a board member and CEO of Impala Platinum Holdings Limited, South Africa's 2nd largest PGM producer
- Previously a board member and CEO of Metorex Limited, a multi-commodity company which was refocused as a base metals producer
- Currently the independent non-executive chairman of Kumba Iron Ore Limited and an independent NED at Gold Fields Limited and AfriTin Limited.

NON-EXECUTIVE DIRECTOR (MANAGING DIRECTOR DESIGNATE)

Johan Odendaal

- 36 years' experience in mining with several years at Merrill Lynch as PGM analyst
- Diverse experience in mining consulting
- CEO of MUM (the prospecting rights holder) for past 6 years

NON-EXECUTIVE DIRECTOR

Mike Stirzaker

- 40 years' international commercial experience, in mining finance and investment
- Partner, shareholder and director in mining, advisory and private investment firms
- Currently the independent chair/NED on three other mining company boards operating in Southern and East Africa

MANAGEMENT

COMPANY SECRETARY

Andrew Cooke

- Lawyer with over 30 years' experience in law, corporate finance and company secretarial for listed resource companies
- Currently a NED of Kingsrose Mining Ltd and acts as Company Secretary for 5 ASX listed companies

NON-EXECUTIVE DIRECTOR

Daan van Heerden

- Over 30 years' experience in mining
- Significant management experience in underground and opencast mining operations
- Currently heading the Mining Engineering division of Minxcon

NON-EXECUTIVE DIRECTOR

Rob Thomson

- 35+ years experienced Mining Engineer, MBA, Fellow AusIMM. Former CEO/ED and site GM/Project Director building successful gold and base metal mines
- Southern African experience includes 8 years underground oriented gold mining and developments
- Technical Director Pacific Nickel Limited and NED Bayrock Resources Limited (Nickel in Sweden)

NON-EXECUTIVE DIRECTOR

Geoff Hiller

- Mining/civil engineer with over 25 years of mining industry experience
- Served in various executive positions in development, metals trading, resource finance and investment business
- Currently CEO of ASX listed Pacific Nickel

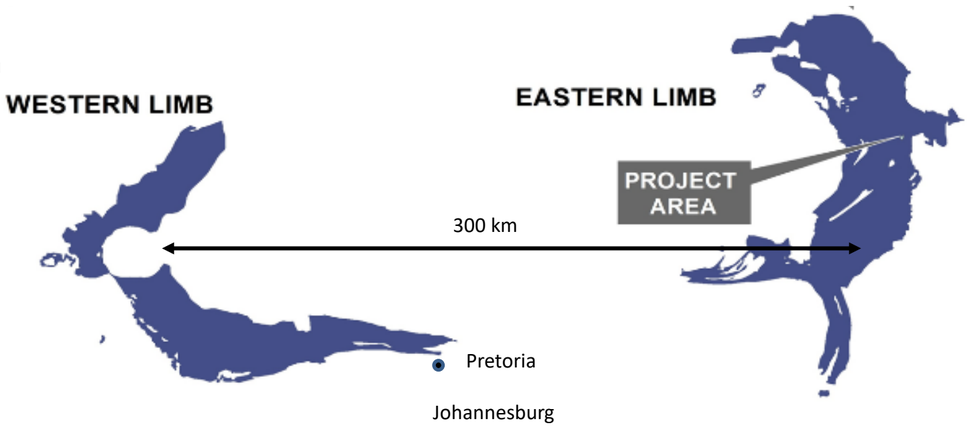
EXPLORATION AND RESOURCE GEOLOGIST

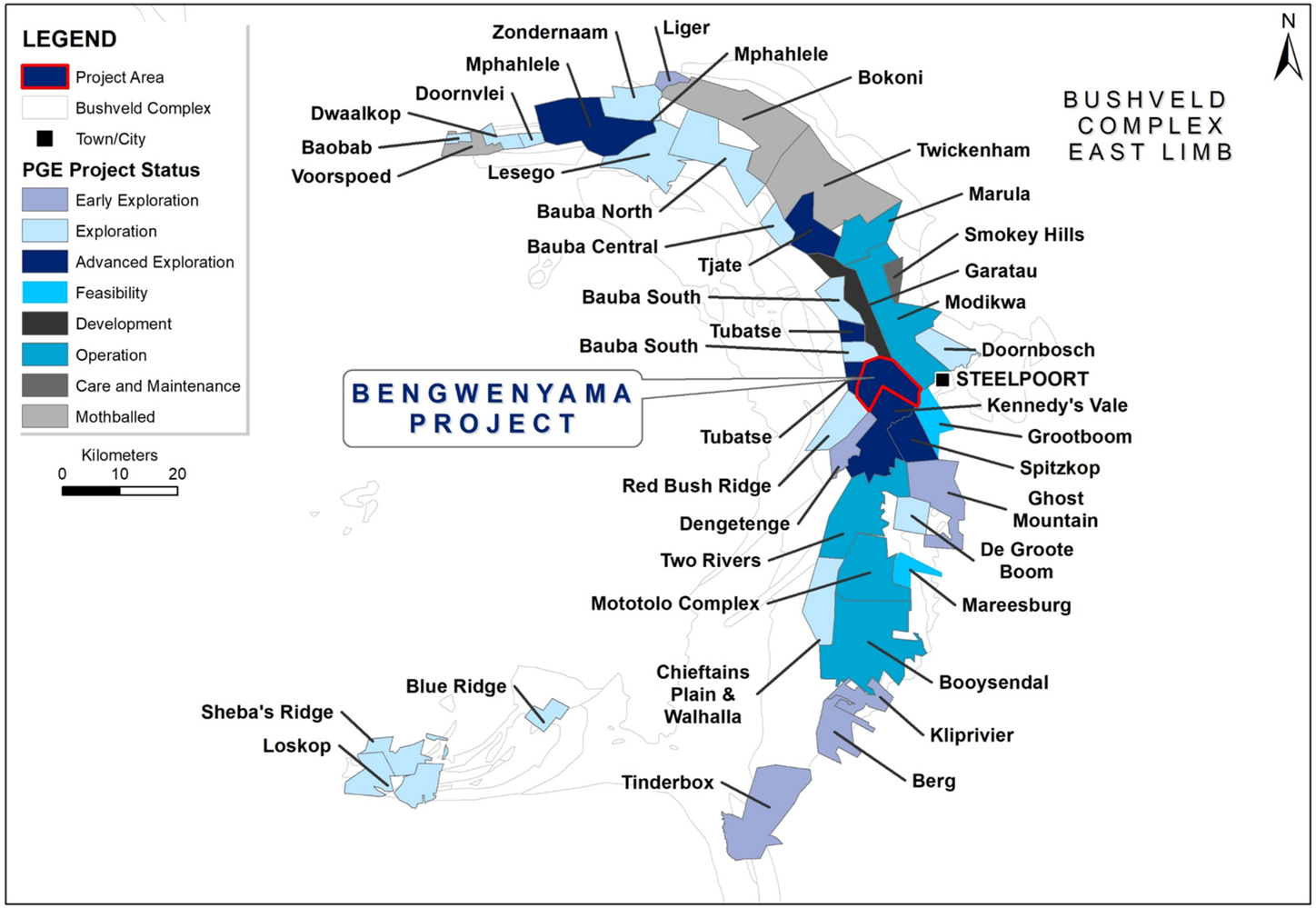
Uwe Engelmann (Minxcon managing exploration program)

- 23 years' mining and exploration industry experience in South Africa
- Held various geological positions including as Ore Resource Manager the production and exploration
- Involved in most aspects of exploration, in a wide range of geological environments and commodities including platinum

Excellent project location | single community

- 290km on sealed road from Johannesburg
- In the 'sweet spot' of the Eastern Limb
- Excellent infrastructure (water, power and services)
- Skilled workforce in Steelpoort and Burgersfort
- One of the last remaining, undeveloped PGM projects to be developed from near to outcrop
- Located between Tier 1 mines, Modikwa (Angloplats/ARM) and Two Rivers (Implats/ARM)





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34 - 52 million ounce PGE (3PGE+Au) potential

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Inferred Resource, (JORC 2012)

Resource classification	Reef	Tonnes (Mt)	3PGE+Au		Reef width (cm)
			g/t	Moz	
Inferred	UG2	33.87	7.70	8.38	71
Inferred	Merensky Reef	110.02	2.96	10.42	191
Total		**143.89**	**4.07**	**18.80**	

Notes:

- *3PGE+Au refers to platinum + palladium + rhodium + gold*
- *Mineral Resource cut-off is 2.2 g/t 3PGE+Au for UG2 and 1.2 g/t 3PGE+Au for Merensky*
- *Basket price used for the cut-off calculation is US$1,126/oz for UG2 and US$1,270/oz for Merensky*
- *Geological losses of 17% for the UG2 and 10% for the Merensky have been applied*
- *Figures may not add up due to rounding*
- *Mineral Resources are reported as total Mineral Resources and are not attributed.*

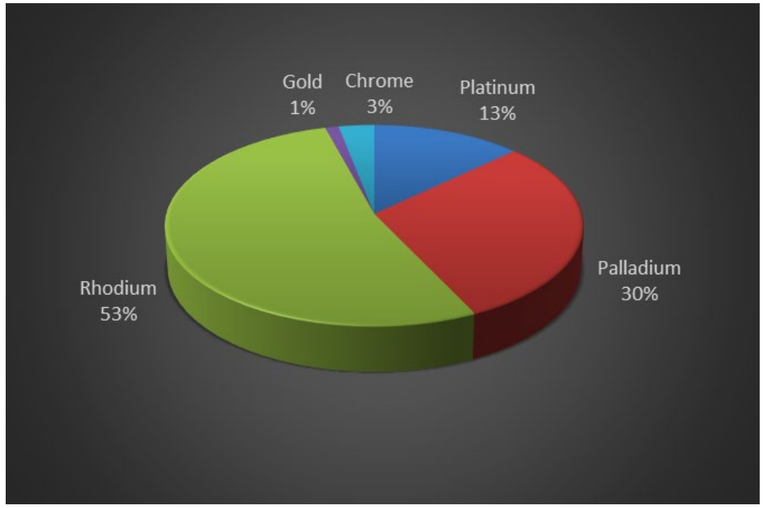
Exploration Target, (JORC 2012) (in addition to the Inferred Resource)

Category	Reef	Minimum tonnes (Mt)	Maximum tonnes (Mt)	Minimum grade (3PGE+Au g/t)	Maximum grade (3PGE+Au g/t)
Exploration Target	UG2	45	68	5.9	8.9
Exploration Target	Merensky Reef	88	133	2.2	3.4
Total		**134**	**201**	**3.5**	**5.2**

- *Geological losses of 40% and 35% are applied for the UG2 and Merensky, respectively*
- *An Exploration Target is conceptual in nature. There has been insufficient exploration to estimate a Mineral Resource and it is uncertain if further exploration will result in the estimation of a Mineral Resource*

Source: CSA Global, December 2021

Revenue Split – UG2 Reef



		Spot Price	UG2	MR
Platinum	USD/oz.	930	409	567
Palladium	USD/oz.	1,736	764	503
Rhodium	USD/oz.	12,500	1,250	375
Gold	USD/oz.	1,824	36	128
4E Basket Price	**USD/4E oz**		**2,460**	**1,573**

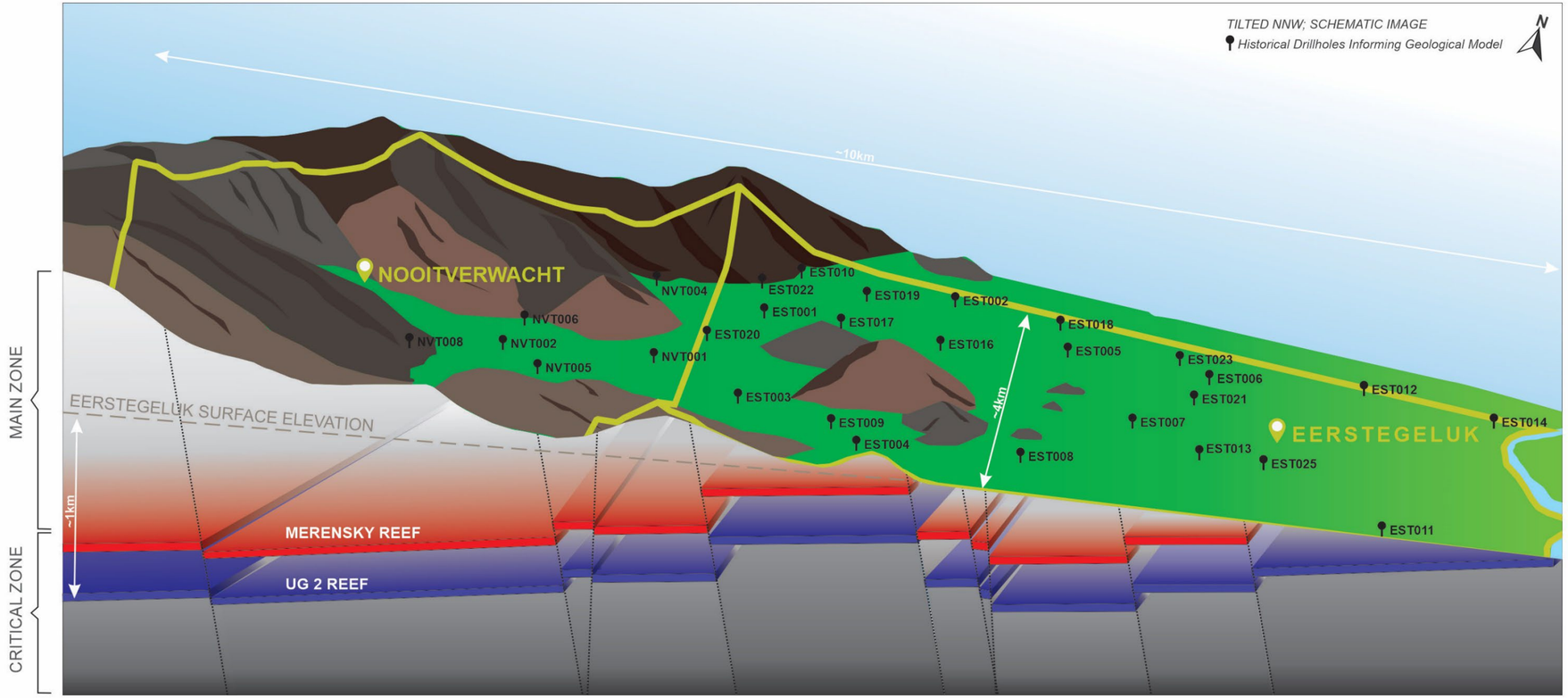
4E Prices as 14 June 2022

Expected Project Prill Split: Pt 44%, Pd 44%, Rh 10%, Au 2%

Total Exploration Target of ~ 15-34 Moz

A rare tier 1 shallow, eastern limb project

- Tabular continuous orebodies dips gently to the west at 10-12 degrees
- Geologically straightforward with consistent grades and structurally simple
- UG2 typical of the Eastern Limb deposits: mineable grades (ca. 4.5g/t PGE 3E + Au) at a very attractive basket price
- Shallower wide Merensky Reef but lower grade which can be mined on a mechanised basis
- Shallow access allows for shorter development time



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Positive results from geophysical survey

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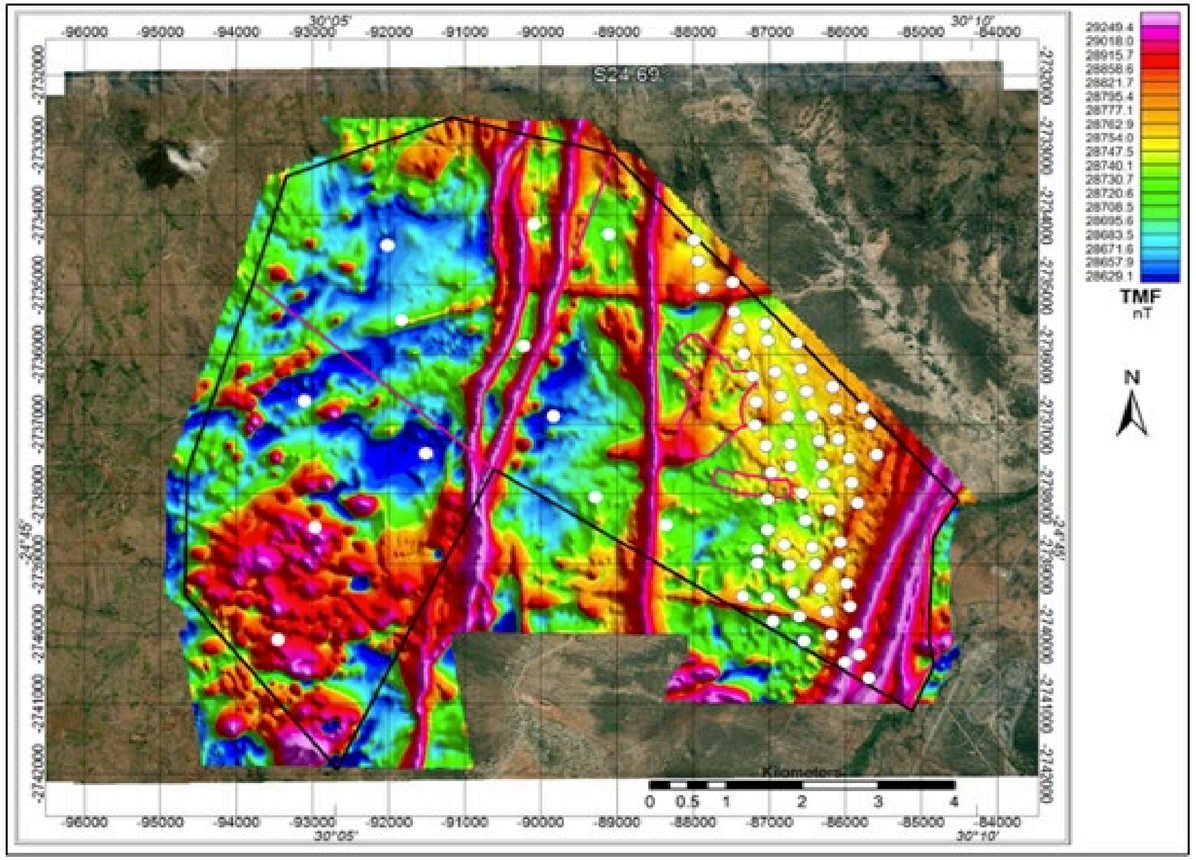
- High-definition helicopter-borne geophysical survey completed
- Data confirms confidence in the existing geological structure
- Imaging also confirms absence of anomalous (Loss of Reef) features in the target area for phase 1 drill program



Exploration plan | 25,000m of drilling over 10 -12 months

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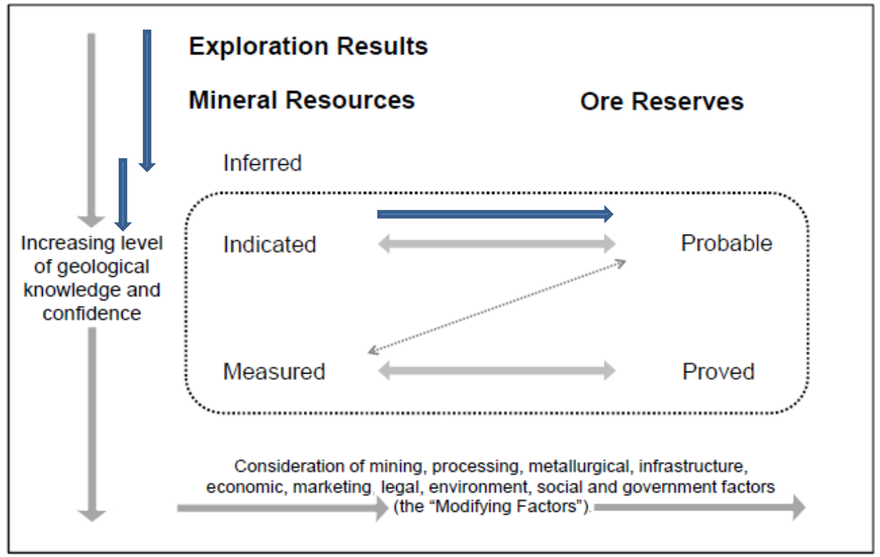
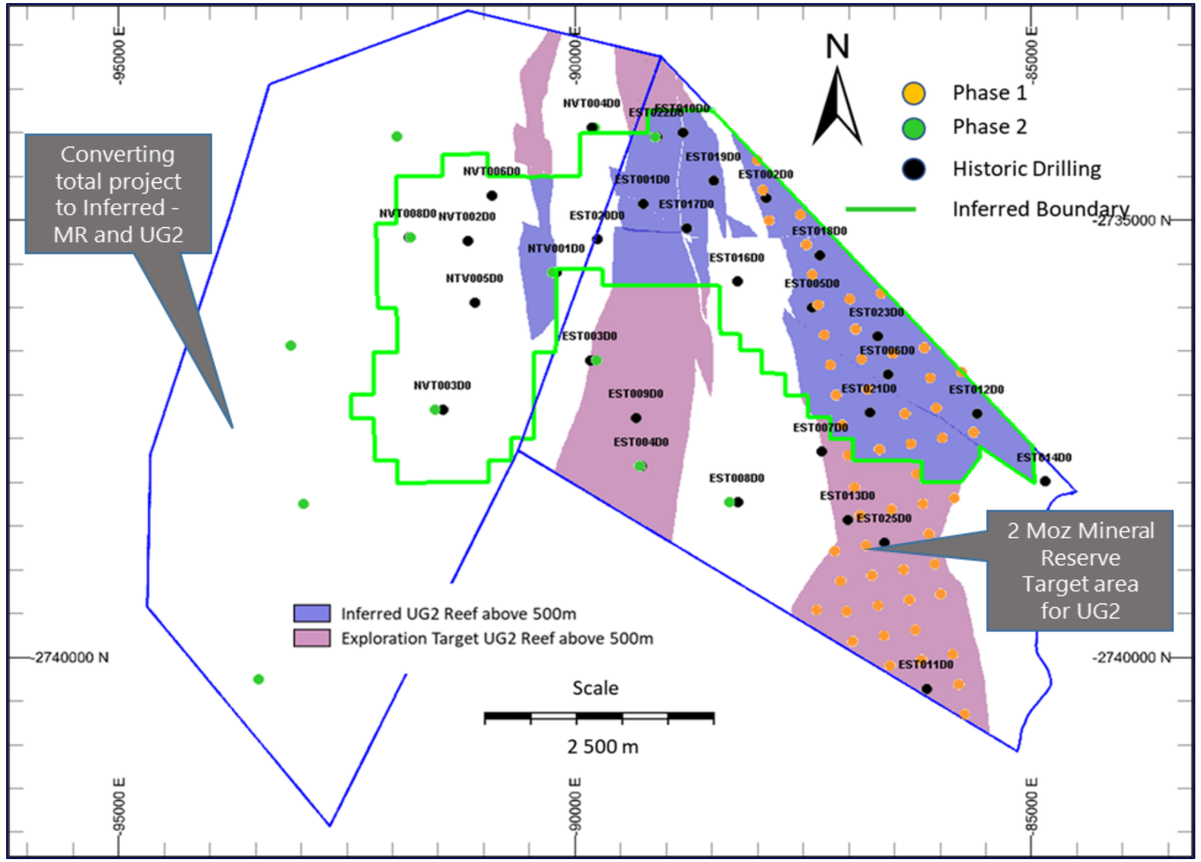
- A contract signed with Geomech Africa Proprietary Limited for Phase 1
- Delivering JORC Indicated Resources and Probable Reserve of at least 2Moz in the UG2, sufficient for an initial 9-10 year life
- Overlying Merensky Reef to be intersected, contributing to JORC Indicated and potentially Reserves
- Convert Exploration Target to Inferred Resources
- Initial reserve potential from close to surface to 500m depth

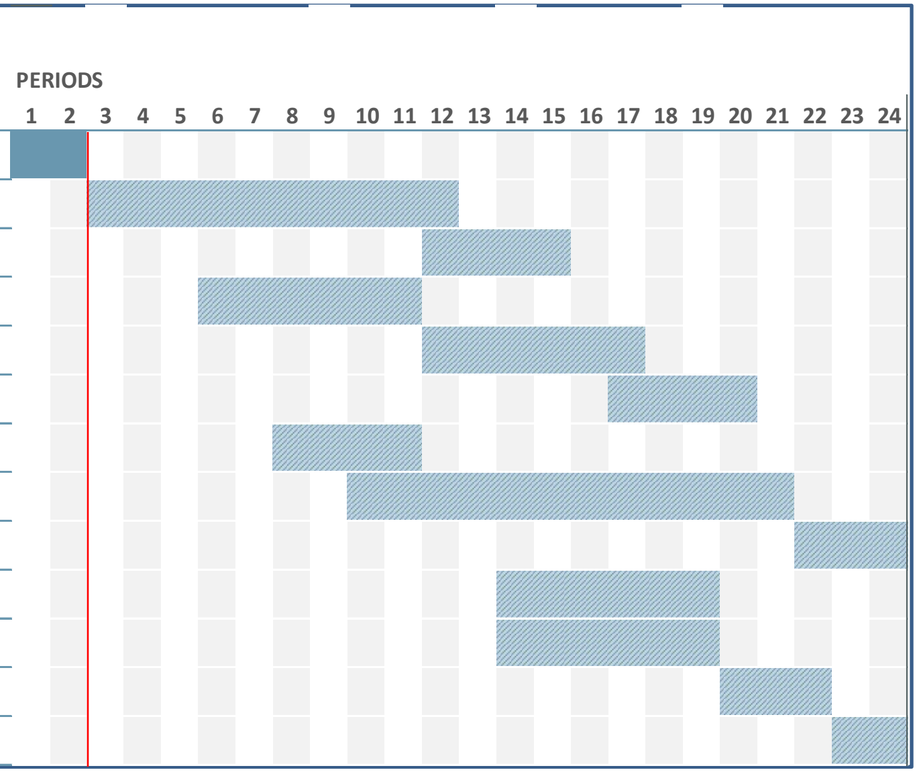




Phase	Drillholes	Total drilling (m)
Phase 1	63	24,464
Phase 2	12	13,582
Total	**75**	**38,046**

Exploration/Pre -development timeline

ITEM	ACTIVITY	PLAN START	PLAN DURATION MONTH
1	Geophysics	1	2
2	Ph 1 Shallow Inferred Indicated Conversion	3	10
3	JORC 2012 Resource Report	12	4
4	Concept Study	6	6
5	Ph 2 Drilling Program Upgrade of the total Area	12	6
6	Updated JORC 2012 of total Area	17	4
7	Metallurgical testing	8	4
8	Pre-Feasibility Study and Reserve	10	12
9	JORC 2012 Reserve Report	22	3
10	Environmental Studies (Scoping Study)	14	6
11	Social and Labour Plan (Including Community Studies)	14	6
12	Mining Work Program	20	3
13	Lodgement of Mining Right Application	23	2



- Site preparation for exploration started in Dec 2021
- Geophysics flyover completed and drilling in July 2022
- Indicated Resource within 10 months
- Concept/scoping study within 12 months
- Start of pre-feasibility study in month 10 with 12 months to completion
- Aiming to lodge Mining Right Application within 24 months of IPO
- Mining Right approval typically 9-12 months from lodgement

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Green economy fuels PGM demand

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1 Application

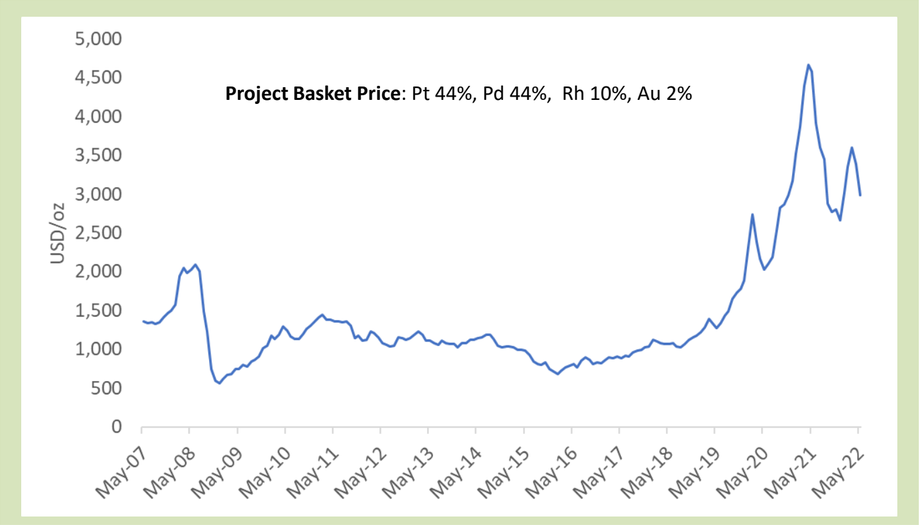
- Green hydrogen – Platinum and Iridium
- Fuel cells – Platinum
- Autocatalysts in Internal Combustion Engine ("ICE") – Palladium, Platinum and Rhodium still the biggest driver

2 PGM use in vehicles

- BEVs will replace some ICE
- Strict emissions standards for ICE
- Fuel cells will consume more Platinum
  - Around 6 Moz expected to be consumed in fuel cells between now and 2030

3 Rising demand for all PGMs

- More stringent emissions control legislation in next decade
- Current developments in terms of new supply and exploration are limited – the low hanging fruit has been taken
- A return of PGM prices to pre-2019 level, could possibly put 40% of SA production at risk



Environmental, social and governance

SPD's Board brings their ESG experience into the management of the company and the project.

ENVIRONMENT

Our approach to environmental stewardship is based on minimising harm.

SOCIAL

The resident Bengwenyama Community is a respected partner and the sole traditional owner of the assets. The development of the project in a safe and healthy environment is designed to benefit both shareholders and the Community.

GOVERNANCE

The boards of SPD and MUM are committed to a high level of corporate governance and ethical standards.

"Bengwenyama Dream – Yes We Can!!

- *Upliftment of the Community*
- *Developing the Community and eradicating poverty by creating employment in the long term, therefore, changing lives.*
- *To change the perception of funders and other critics and show that a community can successfully develop a project.*
- *To economically contribute into the mainstream economy"*

- Bengwenyama Community Feb 2022

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Investment summary

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LOCATION	The right address with top tier potential and with strong single community support.
UNLOCKING POTENTIAL	Potential to increase with exploration program and PFS. 70% of IPO funds into the ground over two years.
ATTRACTIVE VALUE	EV of ~US$1.94 per attributable Inferred Resource ounce. Potential to more than double resource position within the next 2 years.
GREEN ECONOMY	Global carbon reduction and ICE emission control has stimulated renewed interest in PGMs with demand fueling PGM prices over past two years.
MANAGEMENT TEAM	Management team with an outstanding track record in PGMs, South Africa, mine project development and mining experience.
RAPID ADVANCEMENT	Two-year program aimed at delivering PFS for a significant new PGM mine followed by the submission of a Mining Right Application. Shallow access allows for rapid development.

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SOUTHERN PALLADIUM

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