

## **MANAGING DIRECTOR PRESENTATION**

### **121 Mining Investment Conference, Singapore.**

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Australian mineral exploration company Surefire Resources NL (ASX: SRN) ("**SRN**" or the "**Company**") is pleased to advise that it has released a presentation by its Managing Director, Paul Burton, at the 121 Mining Investment Conference 19 - 20 September 2023, Singapore.

Title: **Corporate Presentation "The Victory Bore Vanadium Project"**

The presentation will also be available on the SRN website.

Mr Paul Burton and the Chairman of SRN, Mr Vladimir Nikolaenko, will be conducting meetings with various investors, commodity groups, banks and institutions at the conference together with pre-arranged meetings outside of the 121 venue.

Authorised by:

**Paul Burton, Managing Director**

**Inquiries:** Paul Burton +61 8 6331 6330.

#### **About Surefire Resources:**

Surefire Resources is an Australian mineral exploration company based in Perth, Western Australia (WA). The company holds mineral exploration licences over Vanadium, Magnetite and Gold projects located in WA. Its focus is on adding value to shareholders by advancing its Victory Bore vanadium critical and battery minerals project, located close to existing infrastructure and currently in Pre-Feasibility stage. In addition, its large magnetite project with up to 1B tonnes of high grade Iron and its Gold project have potential to add considerable value to the company.



**SUREFIRE  
RESOURCES NL**

# **THE VICTORY BORE VANADIUM PROJECT**

[WWW.SUREFIRERESOURCES.COM.AU](http://WWW.SUREFIRERESOURCES.COM.AU)





# DEVELOPING ONE OF AUSTRALIA'S LARGEST CRITICAL MINERAL DEPOSITS

SUREFIRE RESOURCES



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**MINERAL DEPOSITS CONTAINS OVER  
3 BILLION POUNDS OF CONTAINED VANADIUM AND  
2 MILLION TONNES HPA ALUMINIUM OXIDE**

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# AGENDA

— INTRODUCTION

— THE VANADIUM MARKET

— THE OFFSHORE  
PROCESSING OPTION

— WHY SAUDI ARABIA

— DEVELOPMENT APPROACH

— CONCLUSION



# EXPERIENCED BOARD & MANAGEMENT

## Paul Burton

### MANAGING DIRECTOR

Mr Burton is a corporate resource executive and geologist and mineral economist with over 30 years of industry experience, exploration, feasibility studies and business development. Paul has a B.Sc in Geology from Plymouth, UK, a M.Sc from McGill University, Canada, and a Graduate of the Australian Institute of Directors.



## Vladimir (Roger) Nikolaenko

### EXECUTIVE CHAIRMAN

Mr Nikolaenko has over 40 years of commercial experience in the resources industry exploration, project evaluation, development and operations, predominantly focused in the base metals, gold and diamond sectors. He has a depth of management and corporate expertise in the operation of public companies in resources and a variety of sectors.



## Michael Povey

### NON-EXECUTIVE DIRECTOR

Mr Povey is a mining engineer with over 40 years of worldwide experience in the resource sector. This experience has encompassed a wide range of commodities in senior management positions. He has a depth of experience in general and mine management, mine production, project evaluation, mine feasibility studies and commercial contract negotiations.



## Roger Smith

### NON-EXECUTIVE DIRECTOR

Mr Smith is an experienced Director and has served on numerous boards of listed companies as both a Non-Executive Chairman and Non-Executive Director as well as having held several proprietary company directorships. Mr Smith has a successful career in the operation of businesses, property development and other sectors.



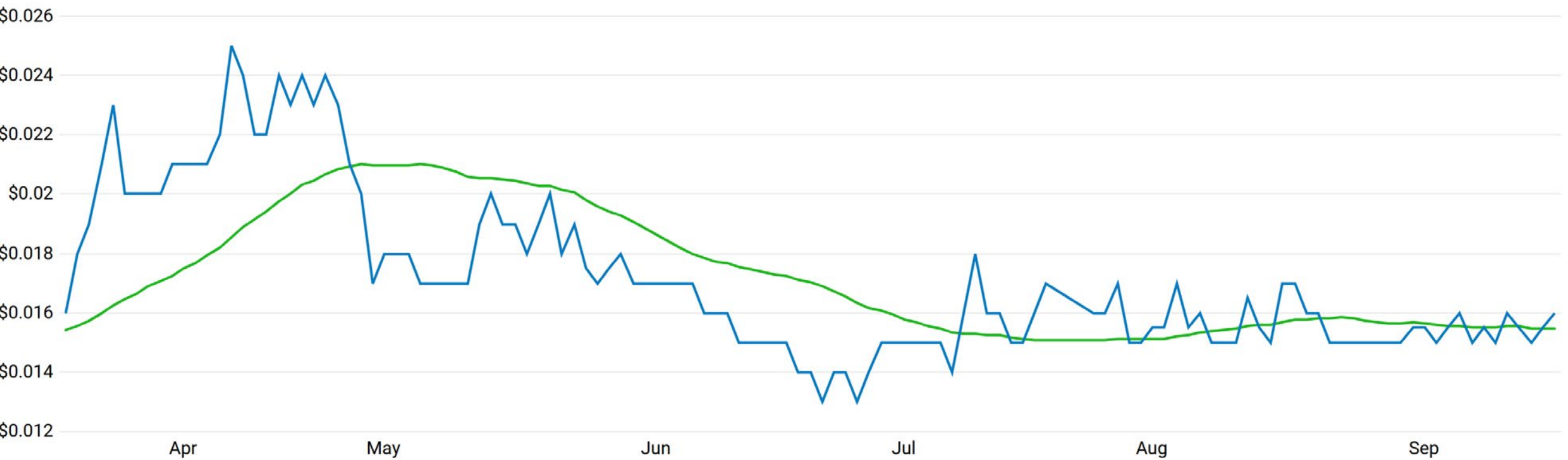


# CORPORATE SUMMARY

## CAPITAL STRUCTURE

Fully paid ordinary shares	1,651,363,477
Unlisted partly paid shares (Subject to Calls \$0.027)	188,785,323
Unlisted partly paid shares (Subject to Calls \$0.0059)	70,000,000
Share price	\$0.016
Market Capitalisation	\$26.5M
Board and Management	17%
Cash as at end June	\$1.5M

Surefire Resources NL Chart and Price Data





# SUREFIRE RESOURCES SUMMARY

SUREFIRE HAS 3 HIGH VALUE SIGNIFICANT PROJECTS  
WITH COMMODITIES IN DEMAND AND IN FOCUS



## VICTORY BORE VANADIUM PROJECT

321Mt <sup>1</sup> @ +0.4% V<sub>2</sub>O<sub>5</sub> (concentrate grade of 1.43% V<sub>2</sub>O<sub>5</sub>)  
37Mt @ 23% Al<sub>2</sub>O<sub>3</sub>



## YIDBY GOLD PROJECT

New Gold discovery in Gold District 400km from Perth  
Bonanza grades up to 39 gpt at shallow depth  
over 3km gold strike <sup>2</sup>



## PERENJORI HIGH PURITY MAGNETITE PROJECT

191Mt @ 37% Fe<sub>3</sub>O<sub>4</sub> <sup>3</sup>  
After grinding premium 69% Fe<sub>3</sub>O<sub>4</sub>  
Exploration Target 870Mt to 1,240Mt @ 22% to 42% Fe<sub>3</sub>O<sub>4</sub> <sup>4</sup>

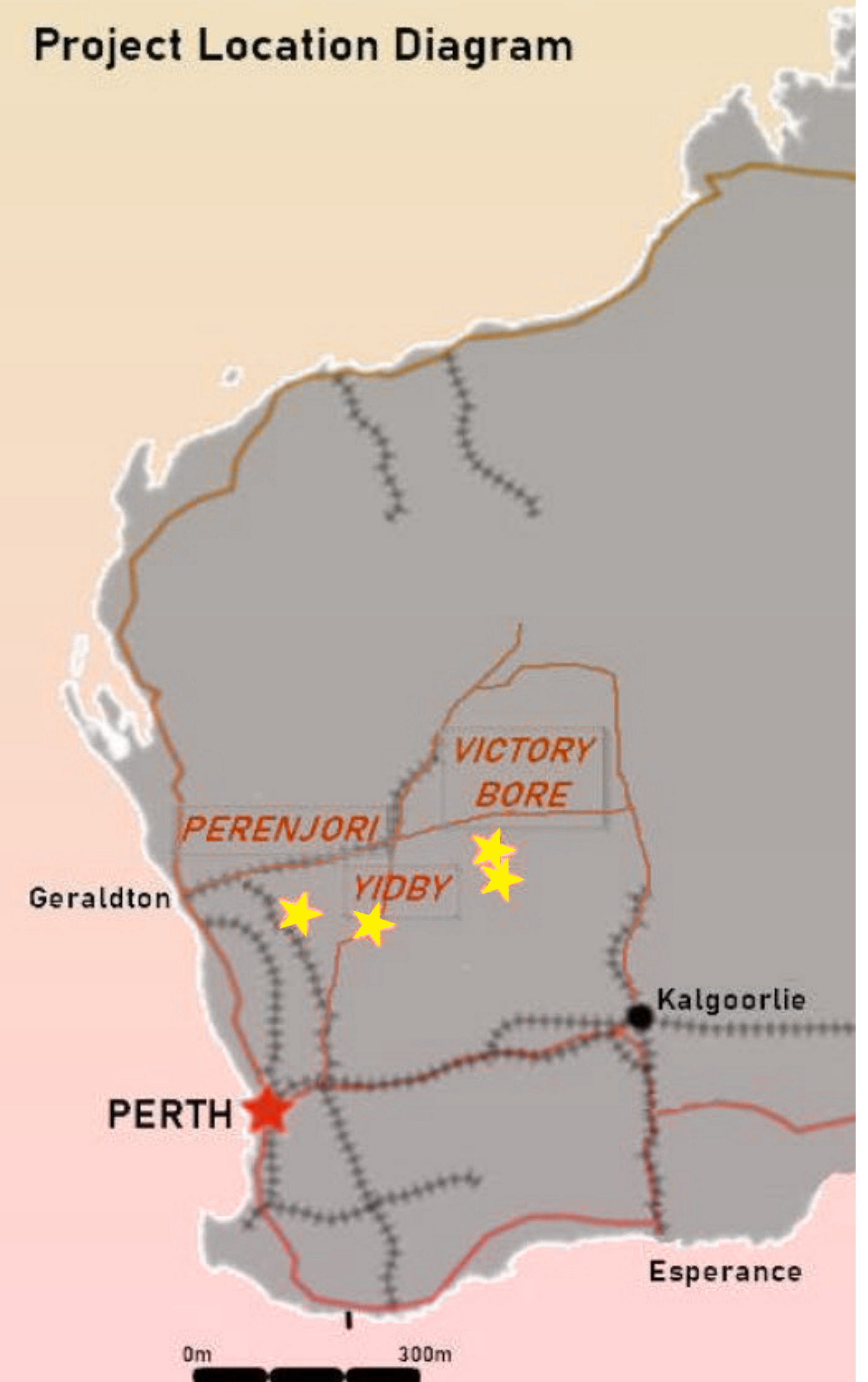
<sup>1</sup>. Complies with JORC(2012), ASX release 1 February 2023

<sup>2</sup>. ASX announcement 14 November 2023

<sup>3</sup>. Complies with JORC (2004), ASX release 26 February 2021

<sup>4</sup>. ASX release 3 February 2022

Project Location Diagram

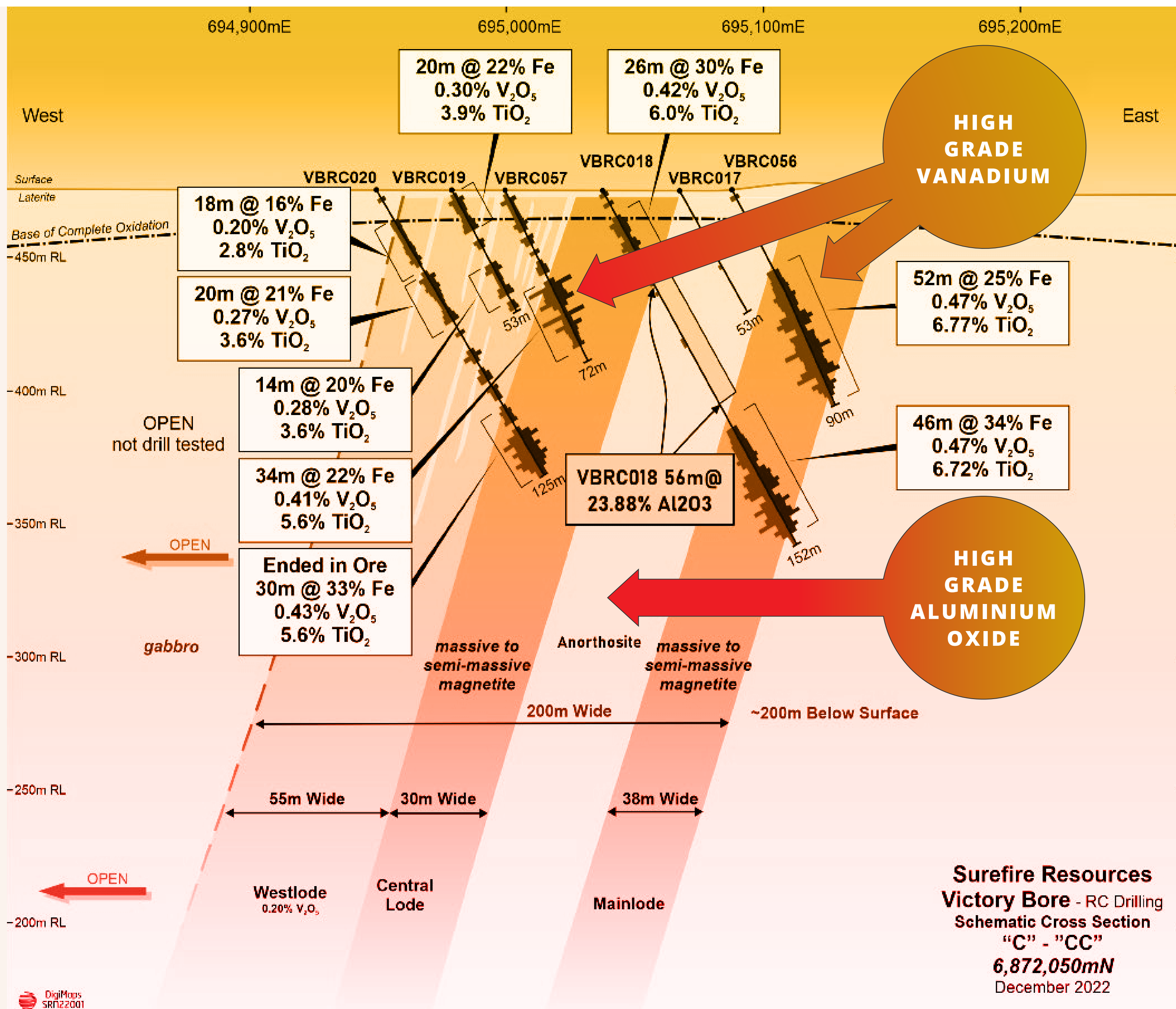




# VICTORY BORE

MAIN RESOURCE COMPRISES TWO THICK LODES OF VANADIFEROUS MAGNETITE  
~50M WIDTH, OPEN AT DEPTH  
> 160M AND STRIKE OF >10KM

Secondary resource comprises one thick lode of high grade aluminium oxide, 50m wide, open at depth.  
Testwork has shown this  $\text{Al}_2\text{O}_3$  product can be a high grade feedstock for HPA





# MINERAL RESOURCES

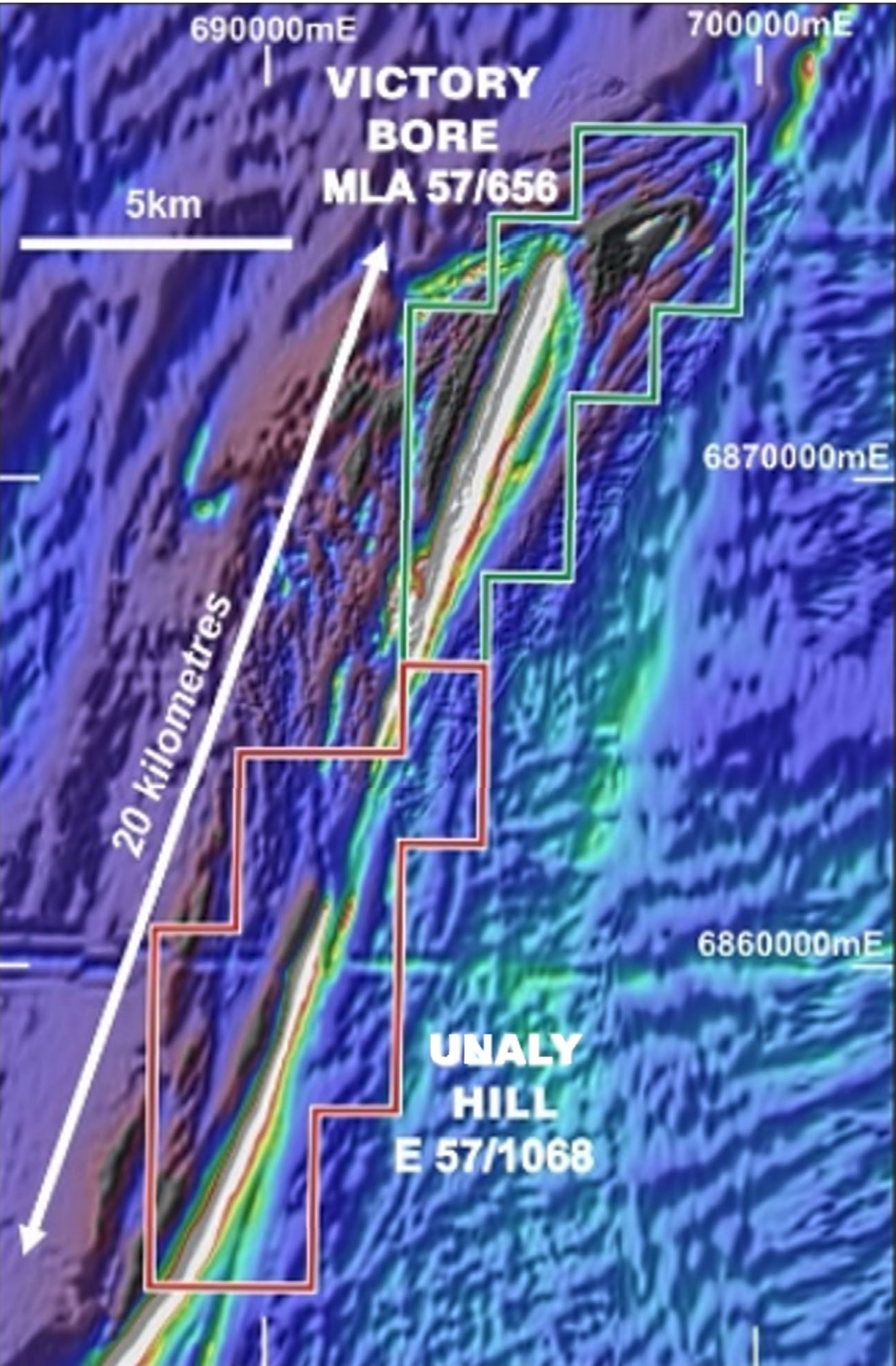
VANADIUM	TONNES AND GRADE
Measured	16.8 Mt @ 0.42% V <sub>2</sub> O <sub>5</sub>
Indicated	70.3 Mt @ 0.40% V <sub>2</sub> O <sub>5</sub>
Inferred	147.7 Mt @ 0.38% V <sub>2</sub> O <sub>5</sub>
Unaly Hill Inferred	86.2 Mt @ 0.42% V <sub>2</sub> O <sub>5</sub>
Project Total <sup>2</sup>	321.0 Mt @ 0.39% V <sub>2</sub> O <sub>5</sub>
Exploration Target	682 Mt @ 0.20% V <sub>2</sub> O <sub>5</sub> to 1,190 Mt @ 0.43% V <sub>2</sub> O <sub>5</sub>
Project Total <sup>3</sup>	<b>1,003 Mt @ 0.20% to 0.39% V<sub>2</sub>O<sub>5</sub></b> to <b>1,511 Mt @ 0.39% to 0.43% V<sub>2</sub>O<sub>5</sub></b>

ALUMINIUM OXIDE	TONNES
Measured	5.2 Mt @ 23.1% Al <sub>2</sub> O <sub>3</sub>
Indicated	11.8 Mt @ 23.1% Al <sub>2</sub> O <sub>3</sub>
Inferred	20.7 Mt @ 23.5% Al <sub>2</sub> O <sub>3</sub>
Total	<b>37.7 Mt @ 23.3% Al<sub>2</sub>O<sub>3</sub></b>

1. Complies with JORC(2012), ASX release 1 February 2023

2. The total numbers may include rounding. The Victory Bore resource is based on a 0.26% V2O5 cut-off grade. Resource estimation by external consultants HGMC using ordinary kriging

3. Refer ASX release 7 March 2023





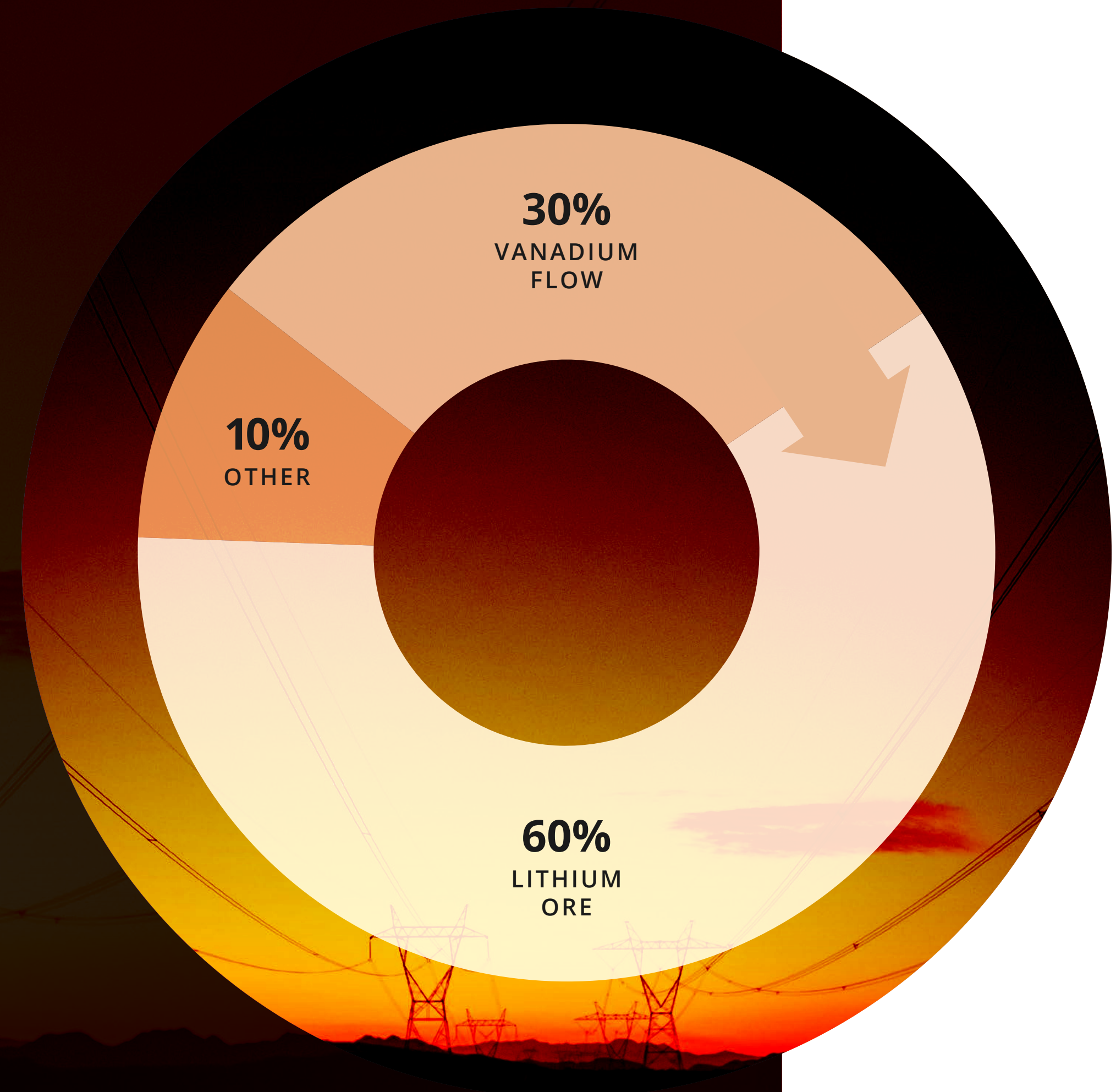
# FOCUS IS VANADIUM BATTERY STORAGE

## *IT'S HAPPENING!*

### SUBSTANTIAL VRB STORAGE BATTERY MARKET FORECAST

**THE MARKET FOR VANADIUM  
FLOW BATTERIES IS EXPECTED  
TO BE \$50-\$100 BILLION  
BY 2025**

- Higher energy density
- Long life: over 20 years
- Over 20,000 recharge cycles with no degradation
- No damage if under or overcharged
- Not combustible
- 100% discharge capability
- Ideal for large scale applications
- Cheaper than lithium based batteries





# HIGH PURITY ALUMINA–HPA

- 4N (99.99%)  $\text{Al}_2\text{O}_3$  PRODUCED FROM VICTORY BORE MATERIAL
- FURTHER TEST WORK UNDERWAY
- HPA CURRENTLY SELLS FOR >\$20,000 USD / TONNE

## THE PREDICTED NEW MARKETS FOR HPA ARE SIGNIFICANT AND INCLUDE:<sup>1</sup>

- LED REPLACEMENT LIGHTING
- CO<sub>2</sub> EMISSION SEPARATORS
- SEMI-CONDUCTORS
- LITHIUM ION BATTERY CELLS

Global total demand for HPA in 2022 was between 60,000 tpa and 80,000 tpa

Annual demand growth is between 13.5% and >20%

Eg: IEA and G20 are moving to completely remove fluorescent lighting from the markets by 2025

<sup>1</sup>. Source Lava Blue



# THE DEVELOPMENT PLAN

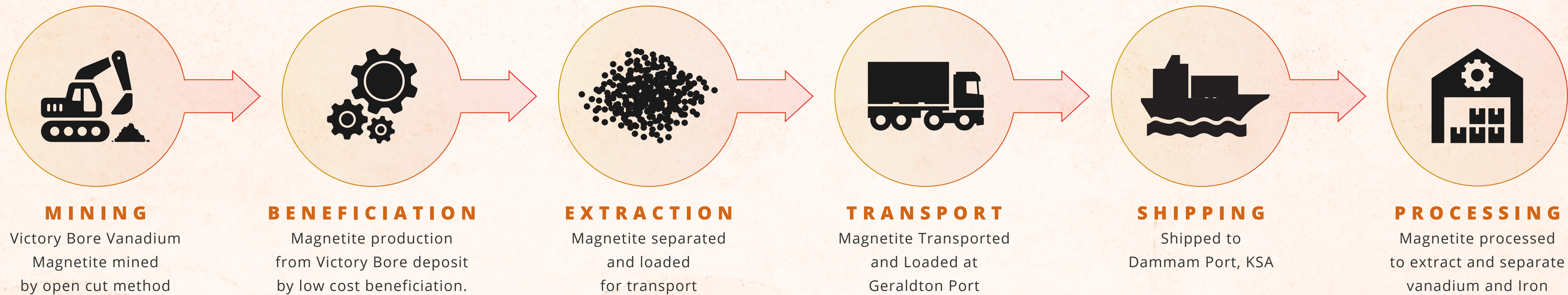
**ON SHORE MAGNETITE PRODUCTION.  
CONCENTRATE SHIPPED FOR DOWNSTREAM PROCESSING.  
OFF SHORE PROCESSING IN SAUDI ARABIA.**

- Memorandum of Understanding (MOU) with the Kingdom of Saudi Arabia.
- A low capital cost operation in Australia, with value-add downstream processing and production of high value products in a low energy cost jurisdiction.
- The KSA is a significant user of vanadium products, particularly in its steel sector where demand is estimated at 10 - 12 ktpa and growing at 4 - 5% Year on Year.
- High Purity Alumina (HPA) feedstock from Victory Bore could also be processed in KSA where demand is increasing or for export to Europe.





# PROPOSED PATHWAY FOR VICTORY BORE PROJECT DEVELOPMENT



## MAIN PRODUCTS



## BI-PRODUCTS





# NEXT STEPS

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- Completion of pre-feasibility study
- Progress Saudi processing option
- Completion of  $V_2O_5$  extraction direct (HPV) for producing VE
- Progress with VRB strategy
- Offtake discussions commenced
- HPA 4n 99.995 confirmed – next steps scoping study



# INVESTMENT KEY POINTS

- DEVELOPING ONE OF AUSTRALIA'S LARGEST VANADIUM DEPOSITS
- HIGH GRADE > 3B POUNDS OF CONTAINED VANADIUM
- HUGE RESOURCE > 1BT
- BATTERY GRADE VANADIUM AND HPA
- 100% OWNED
- 400KM FROM PORT
- GOOD EXISTING FRASTRUCTURE INCLUDING GAS
- PROJECTS VALUE NOT CURRENTLY REFLECTED IN SHARE PRICE



THANK  
YOU



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# WORLD CLASS