

As the world moves  
towards zero emissions  
NdPr electric motors will  
be at the core of our clean  
energy future.



*Oh Harry, is this a Jaguar?  
No darling... it's an NdPr*

# The electrification of motive power is the biggest energy transformation in history

*From buses to trains to trucks, drones, heating, cooling, industrial automation and robotics the electric motor will be the driver of our clean and automated energy future.*

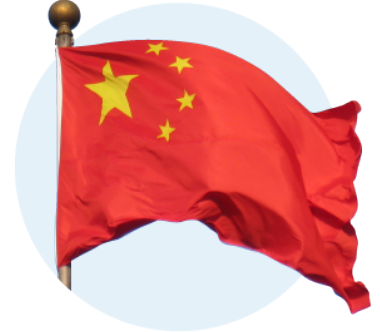
EV makers are investing  
US\$90 billion developing 200  
new models



Each 3MW direct drive Wind  
Turbine uses 1.7 tonnes of  
NdPr



The concern is that China  
now controls over 96% of the  
supply of NdPr metals



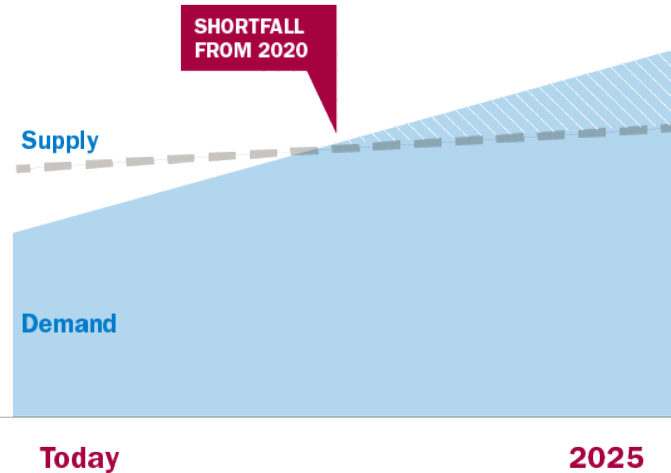
# A major NdPr supply shortfall is predicted within three years

NdPr market is expected to grow at a CAGR of 8.9% to US\$87 billion by 2019.



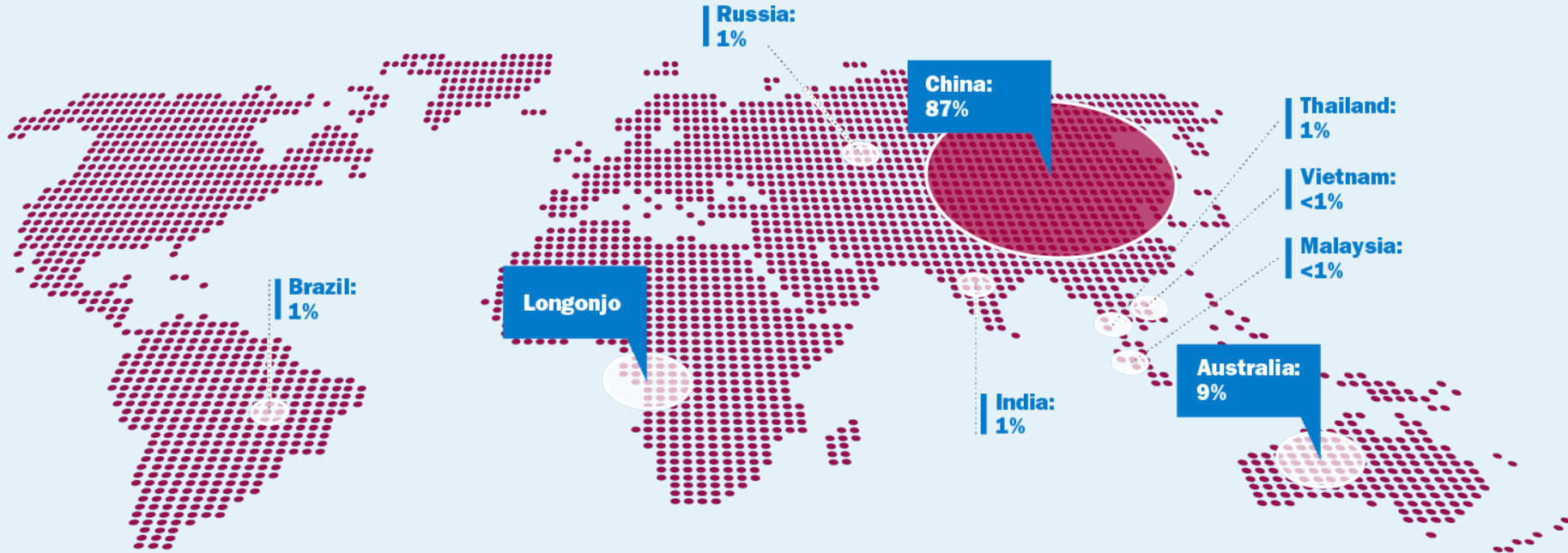
Global market growing

NdPr demand expected to double by 2025 with a supply shortfall expected as early as 2020.



# Meanwhile China controls well over 96% of the world's NdPr production

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Source: USGS Minerals Information January 2018 and estimate of illegal China production from IMCOA Curtin University The Rare Earths Market in 2018, March 2018. NdPr mine production estimated on averages 24% of total rare earth content of the dominant production minerals bastnaesite and monazite



Rift is targeting a globally significant  
NdPr deposit at Longonjo.



# Angola. New Government. Open for business. Economy growing on the back of Chinese funded Infrastructure.

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- Angola now well established as an emerging economy
- New Government is attracting Foreign Direct Investment
- Growing Chinese investment

Vibrant  
Luanda skyline



João Lourenço  
elected in  
September 2017

China is Angola's  
largest trading  
partner



# Longonjo is located close to major transport links

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- Road and Rail Access to Atlantic deep water port
- Close to International Airport
- Hydro electricity only 38 kilometres away



# Major transport and infrastructure is the key to project development

The practical economic development of Longonjo will rest largely on its enviable location close to existing transport and infrastructure

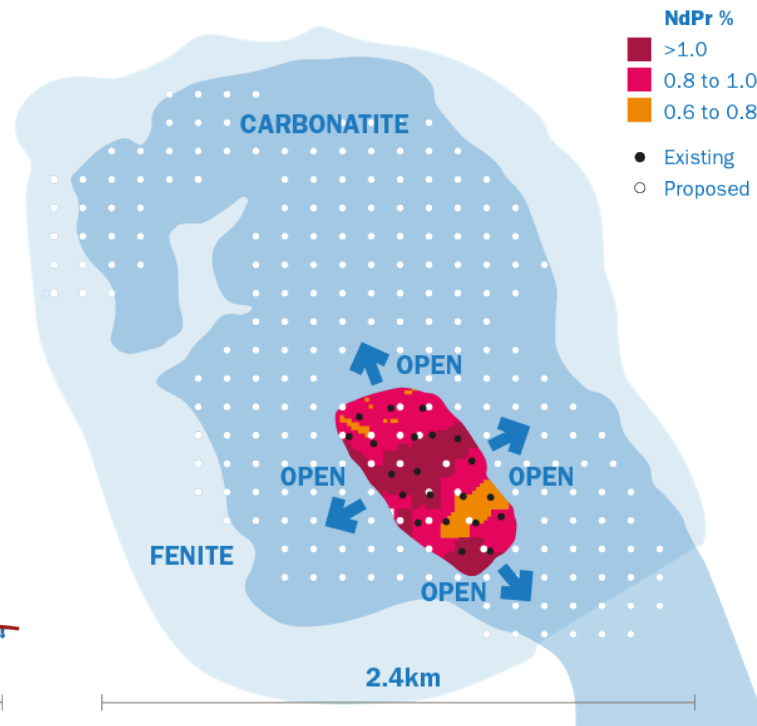
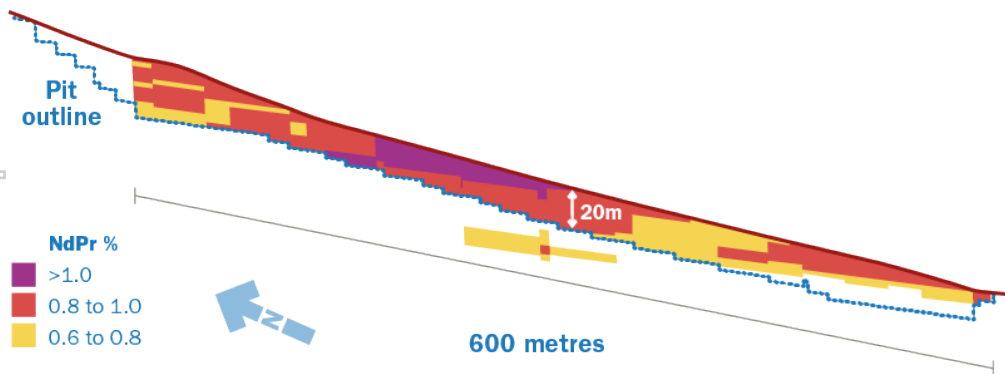




# 9,000 metre drill programme targeting globally significant NdPr deposit in near surface weathered zone

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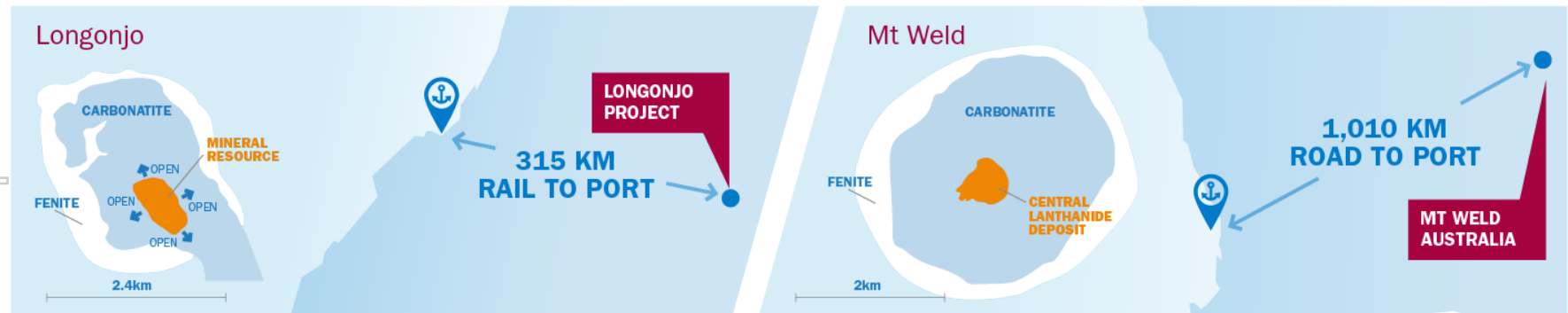
- The high grade NdPr mineralisation is hosted in the 2.4 km diameter carbonatite pipe with the highest grades occurring in the top ~ 30m weathered zone.
- The current Mineral Resource estimate extends over just 10% of the total area and remains open and untested in all directions.



Note: the proposed drilling program is illustrative in nature and will be implemented in two phases, with the Phase 2 hole locations dependent on the results of Phase 1.  
NdPr = Neodymium-Praseodymium Oxide \*See ASX Announcement "Maiden JORC Mineral Resource Estimate - Longonjo Project" of 26 September 2017 for further details

# Will Longonjo grow into a bigger and more important deposit than Mt Weld?

- The Mt Weld mine in Western Australia owned by Lynas Corporation (ASX:LYC) is the only significant producer of NdPr outside of China.
- The majority of its output is sold to China.
- Longonjo has the potential to become a globally significant NdPr deposit and has arguably the better infrastructure and transport links to Europe and the US.



# Recent Chairman and COO appointments provide new leadership and technical strength



**Mr. Paul Atherley** Chairman

Mr Atherley is a Mining Engineer from Imperial College London and has held numerous senior executive and board positions during his career. Mr Atherley has developed strong connections within Chinese business, industry bodies and senior government officials, including the most senior levels of the state owned energy companies.



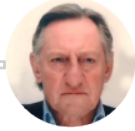
**Mr. David Hammond** Chief Operating Officer

Geologist with over 25 years international experience including 7 years as Technical Director with Peak Resources Ngualla NdPr Project, Tanzania.



**Mr. Mark Hohnen** Non Executive Director

Founding Executive Chairman of Kalahari Resources Plc listed on AIM in 2006 for £15million and subject to a £651million takeover in 2012.



**Mr Neil MacLachlan** Non Executive Director

Internationally experienced Investment Banker, Funds Manager and Public Company Director. Director of Kalahari Minerals Plc and also Extract Resources which was also subject to a takeover, for US\$2.2billion in 2012.



**Mr. Scott Mison** Company Secretary / Chief Financial Officer

Chartered Accountant with over 20 years experience in corporate and operations across Australia, UK, Central Asia, Africa and the US.

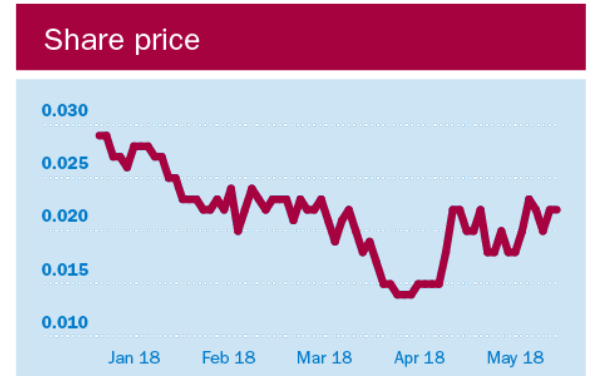
# New leadership team committed to driving shareholder value

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- New Board and technical team
- Company focused on developing a major new NdPr Project
- Supportive government partners Ferrangol 10% and well connected minorities

Corporate Overview	
ASX Code	RVM
Shares on issue	792m
Options (\$0.04 - \$0.06)	79.9m
Performance Rights	135.7m
Market Capitalisation (at \$0.022)	\$17.4m
Cash (as at 31/3/18)	\$0.84m
Top 20 shareholders	49%

Ozango Minerals	
Rift Valley	70%
Ferrangol	10%
Other minorities	20%





# Cautionary Statement



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## Competent Person Statements

We advise in accordance with Australian Stock Exchange Limited Listing Rules 5(6) that the geology and exploration results for the Longonjo NdPr Project contained within this ASX Release is based on information compiled by Mr Dave Hammond who is a member of the Australasian Institute of Mining and Metallurgy. Mr Hammond is a Director of Rift Valley Resources Ltd. Mr Hammond has sufficient experience relevant to the style of mineralisation and type of deposit under consideration to be qualified as a Competent Person as defined by the “Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserve” (the JORC Code, 2012 edition). Mr Hammond consents to the inclusion in this presentation of the matters based on his information in the form and context in which it appears.

The information in this release that relates to the Mineral Resource estimate for Longonjo Project is based on information compiled by Mrs. Heather King who is a member of a ‘Recognised Professional Organisation’ (RPO) included in a list posted on the ASX website from time to time, specifically the South African Council for Natural Scientific Professions, and Mrs. King is registered as a Professional Natural Scientist (Pr. Sci. Nat.) Mrs. King was a full-time employee of Amec Foster Wheeler, consulting to Rift Valley Resources. Mrs. Heather King has sufficient experience that is relevant to the style of mineralisation, type of deposit under consideration and to the activity being undertaken 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’. Mrs. King consents to the inclusion in the report of the matters based on his (or her) information in the form and context in which it appears.

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