

HORIZONTE

MINERALS

Investor Presentation Q2 2018

TSX:HZM / AIM:HZM horizonteminerals.com



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Due to the uncertainty that may be attached to inferred mineral resource estimates, it cannot be assumed that all or any part of an inferred mineral resource estimate will be upgraded to an indicated or measured mineral resource estimate as a result of continued exploration. Confidence in an inferred mineral resource estimate is insufficient to allow meaningful application of the technical and economic parameters to enable an evaluation of economic viability sufficient for public disclosure, except in certain limited circumstances set out in National Instrument 43-101 – Standards of Disclosure for Mineral Projects. The economic analysis contained in the Company's technical report is based on probable mineral reserve estimates.

Unless otherwise indicated, the scientific and technical information contained in this investor presentation has been prepared by or under the supervision of Anthony Finch, P.Eng., MAusIMM (CP Mining), B.Eng., B.Econ., Harald Muller, B. Eng., (Chem), MBL, FAusIMM, FIChemE, FSAIChE, C.Eng., Pr.Eng. and Andrew Ross, B.Sc. (Hons), M.Sc., MAIG, FAusIMM, P.Geo., each of Snowden Mining Industry Consultants Pty Ltd. ("Snowden") and Peter Theron, Pr.Eng., SAIMM, B.Eng. (Civil Eng), G.D.E., of Prime Resources (Pty) Ltd Environmental Consultants. All are Qualified Persons within the meaning of Canadian National Instrument 43-101 and have acted as consultants to the Company. For further details on the Araguaia project, please refer to the technical report entitled "NI 43-101 Technical Report, Prefeasibility Study (PFS) for the Araguaia Nickel Project, Pará State, Brazil", dated March 25, 2014, which is available on the Company's website at www.horizonteminerals.com and on SEDAR at www.sedar.com. Mineral resources that are not reserves do not have demonstrated economic viability.

The Vermelho mineral resource is historic in nature and based on the report titled Niquel do Vermelho Project - Supplementary Mining and Resource Work report prepared for CVRD with respect to the Vermelho nickel project in 2005 by Snowden. A qualified person has not done sufficient work to classify the historical estimate as current mineral resources or mineral reserves and the Company is not treating the historical estimates as a current mineral resource or mineral reserves. A review by the Company has indicated that the data preparation has been undertaken according to industry best practices and that the historical estimate has provided an approximate basis for analysis conducted to date



The leading nickel development company

Overview

- The Araguaia nickel project is a Tier 1 asset in terms of size and grade, one of the largest undeveloped saprolite resources globally – Feasibility Stage with roadmap to production Q1 2021
- The Vermelho advanced nickel-cobalt Project, recently acquired from Vale (estimated US\$200m of expenditure, full FS completed), compelling acquisition price that has the potential to generate significant value
- Combined assets create a consolidated nickel district (100% owned by HZM) development potential for 2 nickel mines to produce ferronickel (saprolite ore) for the stainless steel industry and nickel cobalt (limonite ore) for the EV market
- Combined metal in the ground (M&I) of 2.59Mt contained Ni (5,700Mlbs @ US\$5/Ib) and 114Kt Co (252Mlbs @ US\$30/Ib)

Creating a leading global nickel development company





World Bank estimates potable water demand will exceed supply by 40% in 2030



Over 1.3 billion tonnes of food lost each year due to inefficient storage/transportation

Nickel



A single large wind turbine may contain up to 500kgs of nickel



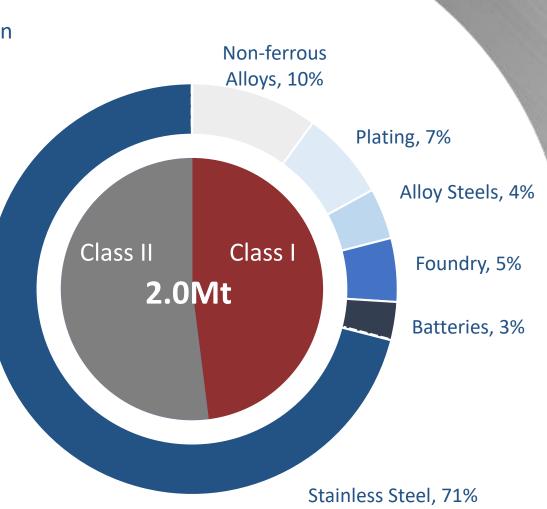
Each Electric Vehicle battery contains around 11kg of nickel

Current demand

Approximately two thirds of global nickel production is used to produce stainless steel.

As an alloying element, nickel contributes to the longevity, corrosion resistance and low maintenance of stainless steel goods.

Ferronickel
is preferred
by stainless
steel mills
due to the
iron content



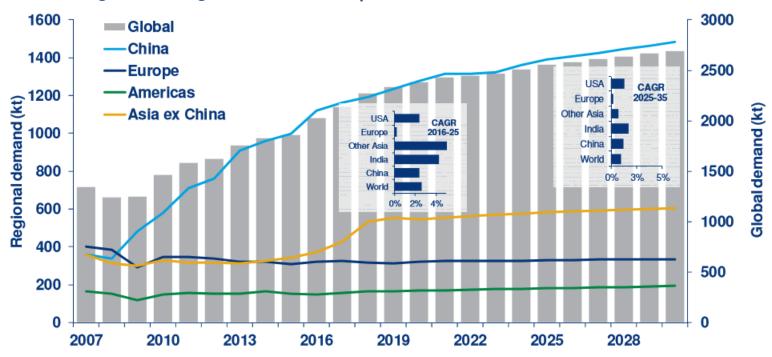


Traditional Demand

Nickel demand in stainless steel increased ~9% in 2017 and continued growth forecast in 2018 and beyond

Glencore: "The nickel market's fundamentals are the best we've seen since 2006/2007"

Outlook for global and regional nickel consumption - China & Indonesia dominate

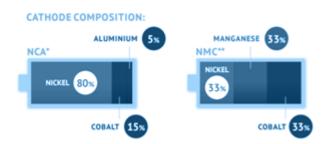


Source: Wood Mackenzie

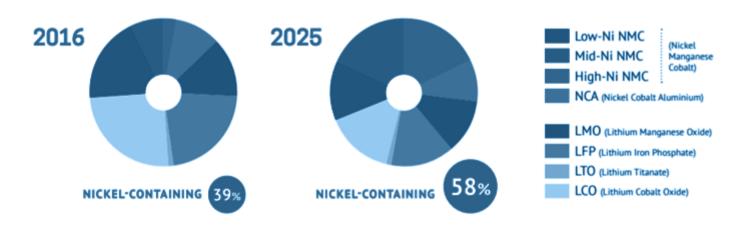


Today's battery options

- Lithium compounds are combined with other materials in order to create Li-ion batteries
- Two of the commonly used Li-ion battery chemistries contain nickel NCA & NMC



- Demand for energy-dense nickel-containing batteries will increase for applications such as electric vehicles and renewable energy storage
- Currently 39% of Li-ion batteries contain nickel. This is expected to rise to around 58% by 2025.



*NCA: Nickel Cobalt Aluminium
**NMC: Nickel Manganese Cobalt

Source: Nickel Institute



Electric Vehicles (EV)

"Our cells should be called Nickel-Graphite, because primarily the cathode is nickel and the anode side is graphite with silicon oxide... [there's] a little bit of lithium in there, but it's like the salt on the salad,"

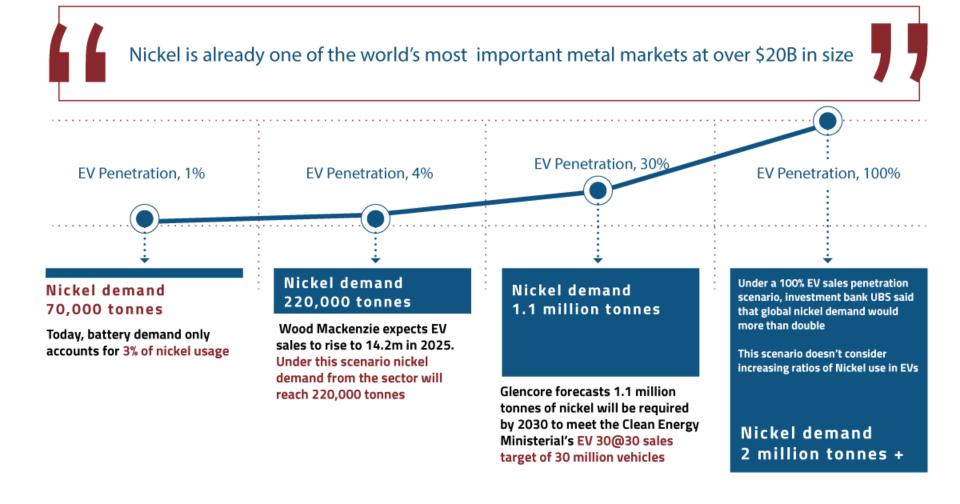
Elon Musk, Tesla, 2016



- Official sales data from China, the US, Europe, Japan and Canada shows EVs accounted for 1.7% of new car sales in 2017, up from 1.1% in 2016 – Macquarie research
- The number of EVs is set to increase from 3 million today to over 320 million by 2040, representing roughly 15% out of a total car fleet of 2 billion BP Energy Outlook 2018



Future EV Demand





Nickel Price: Views



"an ideal opportunity to benefit from the recovery when it takes place in the near future"

Forecast at US\$13,889 in 2018



"Nickel one of our most-preferred commodity exposures"

Forecast at US\$16,535 in 2019e



"We anticipate nickel prices settling at the long-term incentive price of around US\$22,000/t (US\$9.5/lb, real)"



"Nickel price to benefit the most from electric vehicles"

Forecast long term price of US\$14,023



Nickel summary

- Nickel demand in stainless steel increased ~9% in 2017 and continued growth forecast in 2018 and beyond
- The Company believes there has been under-investment in sector: Very few large scale nickel projects under development over the past 5 years
- Demand outstripping supply: Growing nickel deficits with 2018 predicted as third consecutive year of deficit - over 150,000 tonnes nickel
- Electric Vehicles set to increase from 3 million today to over 320 million by 2040
- Significant portion nickel operations (>40%) sub economic at current prices

Wood Mackenzie forecasts that the nickel price will increase from ~12,000-\$22,000/tonne throughout 2021-2022 - Araguaia Scheduled to start production 2021

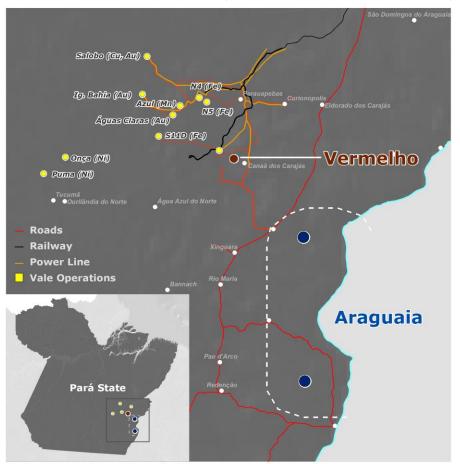


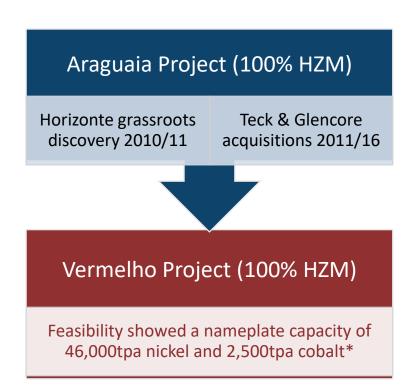




The Nickel district

Consolidation of a nickel/cobalt district, containing two Tier 1, scalable, high-grade advanced Nickel deposits in one of Brazil's premier base metals mining districts





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2.5 Million Tonnes Contained Nickel

Tonnage

Material

	Project	Category	type	(kT)	metal (kT)	(%)	(%)	(%)	(%)	(%)
∢	Araguaia	Measured	All	18,168	261	1.44	0.05	16.26	17.51	39.91
Ā	Araguaia	Indicated	All	101,893	1,272	1.25	0.06	19.40	16.87	36.24
AKAGUAIA	Araguaia	Measured + Indicated	All	120,061	1,533	1.28	0.06	18.93	16.97	36.80
	Araguaia	Inferred	All	13,435	161	1.20	0.06	20.12	14.94	36.83
	Vermelho*	Measured	All	83,355	1,033	1.24	0.05	20.02	13.41	40.01
	Vermelho*	Indicated	All	2,721	31	1.15	0.06	18.49	8.96	47.63
	Vermelho*	Measured + Indicated	All	86,076	1,064	1.24	0.05	19.97	13.35	40.25
	Vermelho*	Inferred	All	1,959	22	1.17	0.05	16.29	16.78	40.04

Contained Ni

Note: Totals may not add due to rounding. Mineral Resources are inclusive of Mineral Reserves. Mineral resource estimate at 0.9% nickel cut-off (Source: Araguaia - HZM 2016 Pre Feasibility Study)

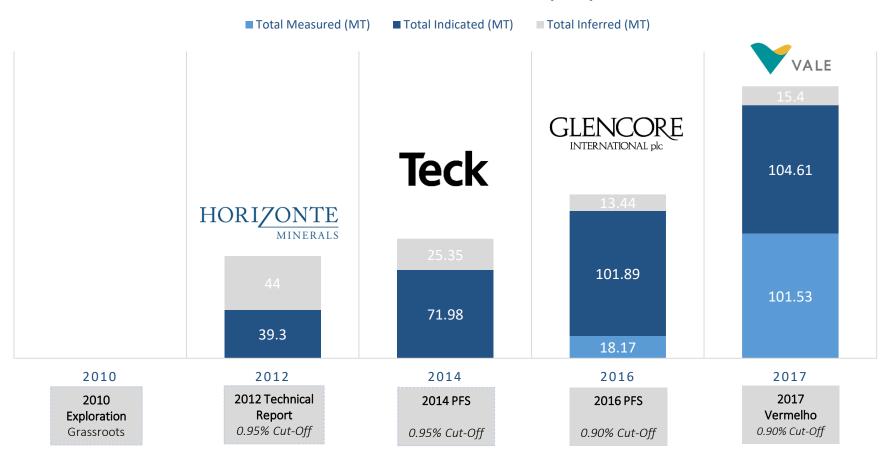
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MgO SiO

Resource Growth: 425% in 5 Years

NI MINERAL RESOURCES (MT)



425% increase from 2012 to 2017 in Indicated and Measured Mineral Resource





Araguaia: Tier 1 Nickel Project

 Considered a Tier 1 asset in size and grade, one of the largest undeveloped saprolite resources globally

Product suitable for traditional stainless steel market and potential product for the EV sector

2016 PFS demonstrated strong economics - expected to generate over US\$1 billion in free cash

flow over the LOM at US\$12,000 / tonne Ni *

De-risked process route – ferro-nickel product

A team to deliver

 Located in mining region with existing infrastructure and low cost hydropower

 Roadmap to commercial production and delivery on all milestones to date



^{*} Over the LOM, Araguaia is estimated to generate over US\$1bn of free cash at US\$12,000/tonne Ni

Feasibility Study Advanced

- Fully funded FS targeted publication in mid 2018
- Leading consultant partners:















Developing a best-in-class ferronickel operation to produce 14,500 tpa Ni with robust economics and a proven process route (RKEF)

Trial mining & infill drilling

Mine design & pit optimisation

30% detailed engineering

Logistics study

Powerline route frozen

Advancing permits to 'construction ready' phase



Reserve Profile Comparison



Araguaia Mineral Reserve Estimate					
Class	Ore dry mass (kT)	Contained Ni metal (kt)	Ni (%)		
Total Proven	0	0			
Total Probable	24,646	436	1.77		
Total Proven & Probable	24,646	436 (1.77		

Source: Mineral reserve estimate (HZM 2016 PFS)





Barro Alto 2017 Mineral Reserve Estimate (Extrapolated)					
Class	Ore dry mass (kT)	Contained Ni metal (kt)	Ni (%)		
Total Proven	10,600	162	1.53		
Total Probable	31,300	424	1.35		
Total Proven & Probable	41,900	586	1.40		

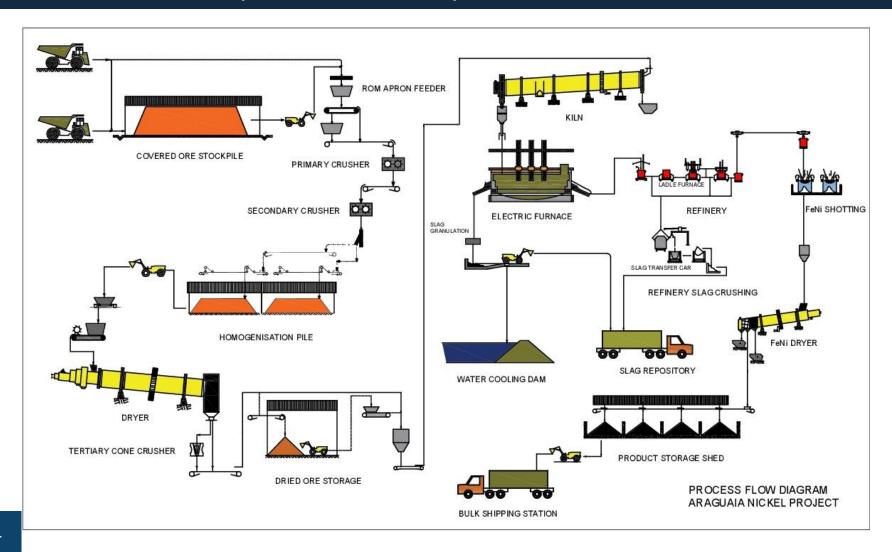
Source: Anglo American Annual Report, Ore Reserves & Mineral Resources, 31 December 2017





Proven Process: RKEF

Over 35 operational RKEF plants worldwide in 2018



Ferro-Nickel Product

PRODUCT



ARAGUAIA FERRONICKEL

Element	Content (% Max)
Nickel (Ni)	28-32
Cobalt (Co)	0.80
Copper (Cu)	0.06
Silicon (Si)	0.04
Phosphorus (P)	0.03
Sulphur (S)	0.04
Carbon (C)	0.04
Iron (Fe)	Balance

High grade
FeNi30
product to
commercial
specification
with low
impurities

PHYSICAL
CHARACTERISTICS &
PACKAGING



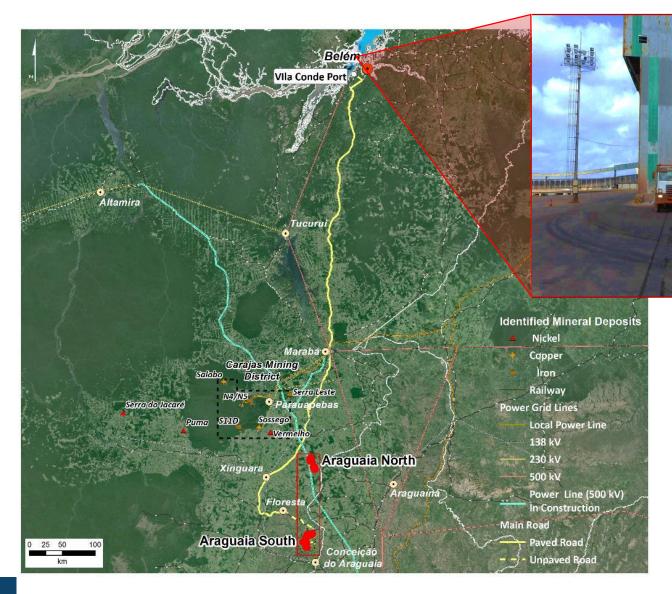
Araguaia ore 2015

■ FeNi granules: 2-50mm

 Final product to be supplied in bulk or big bags



Power and Infrastructure





Permitting Pathway

Clear pathway to obtain all approvals and meet high international standards for sustainability practices

Community Public Hearing

Complete

Approval of Preliminary Licence (LP)

Complete

Installation Licence (LI – Construction Licence) and Water Permits

Submitted to Agency

Approval of Water Permit for full-scale Araguaia operation

Complete

Constructionready permits secured

Environmental Impact Assessment

Complete











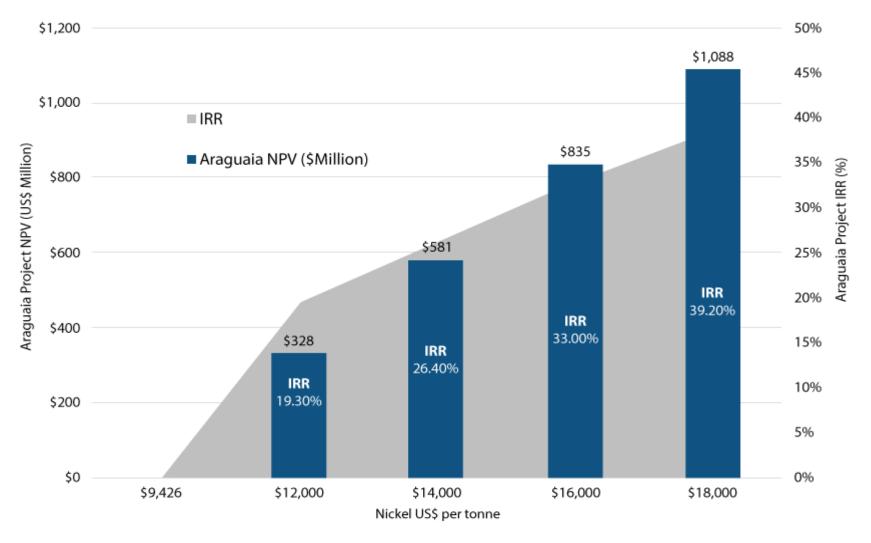
FS Assumptions

Key Parameters	Value
Reserves	24.6Mt @1.8% Ni
Ore Throughput	0.9Mtpa
Initial mine life	28
Average Strip Ratio	2.4
SiO ₂ /MgO	2.6
Overall Ni Recovery	93%*
Average annual Ni production	~ 14,500tpa
Average Ni grade – Year 1 to 10	~ 1.9%*
Average Ni grade – LOM	~ 1.8%*
Average annual FeNi production	~ 50,000tpa
Nickel content of FeNi	30%



^{*}Note: Values are rounded

Geared for Growth: PFS Economics



^{*\$16,000/}t & \$18,000/t NPV and IRR values are approximate figures





Vermelho

Advanced Nickel-Cobalt Project developed by Vale



Vermelho: Advanced Nickel-Cobalt Project

Vermelho •

Construction approved for up to US\$1.2B build in 2005

Full Feasibility study completed on the project, all engineering data acquired

Over 152,000m of drilling completed *

 Feasibility showed a nameplate capacity of 46 000 t/a nickel and 2 500 t/a cobalt *

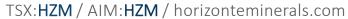
Historic Mineral Resource: M&I 245Mt grading 0.81% Ni *

Potential for high grade saprolite resources – 18.1m grading 3.31% Ni *

Test work shows 96% Ni recovery and 95% Co recovery *

Located in the Carajás mining district with favourable infrastructure

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Vale Approval of Vermelho



7/5/2005

CVRD will start the development of the Vermelho Nickel Mine

Rio de Janeiro, July 5, 2005 – Companhia Vale do Rio Doce (CVRD) announces that its Board of Directors has approved the investment for the development of the Vermelho nickel project (Vermelho).

Vermelho is located in the Carajás region in the state of Pará, Brazil, 70 km south of the Carajás iron ore mines and 15 km east of the Sossego copper mine. Its estimated production capacity is 46,000 tons/year (tpy) of metallic nickel, and 2,800 tpy of metallic cobalt – with an expected commercial life of 40 years.

The estimated investment is up to US\$1.2 billion, with startup scheduled for the fourth quarter of 2008. The project involves construction of a high pressure acid leaching (HPAL) plant to process nickel laterite. After almost five years of development of the process and project, CVRD believes that by choosing the process based on precipitation and re-leaching of nickel hydroxide it has selected the most proven process, and the one with least risks in terms of operational stability, environment, and work health and safety.

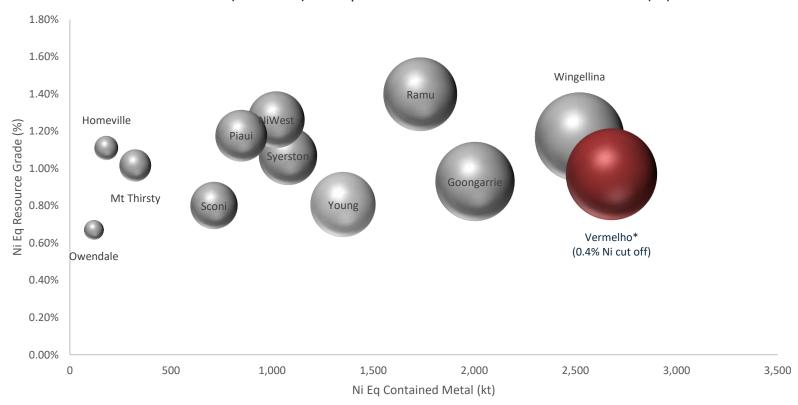
The program of metallurgical test work was carried out to the highest standards available in the world. Demonstration campaigns on a pilot plant were carried out at a technology center of excellence in Australia. Average leaching extraction exceeded 96%, and LME-grade nickel cathode was produced.



Global Benchmark

Vermelho is a scalable, high grade, Tier 1 asset

Nickel Cobalt (Laterites): Ni Eq Resource Grade and Contained Metal (kt)



Note: Includes nickel and cobalt Mineral Resources only, Ni Eq calculated using Ni US\$5.44/lb, Co US\$20/lb.

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Building value at Vermelho in 2018

Advanced works completed by Vale provides Horizonte a fast-track pathway to produce Class I nickel and cobalt

- 1 Acquisition complete (US\$8M) ✓
- 2 Update 43-101 Mineral Resource Estimate
- Testwork to produce battery grade product
- 4 Undertake Preliminary Economic Assessment
- 5 Advance permitting



Vermelho Comparative



SUNRISE

Market Cap US\$650M (As of April 2018)

Market Cap US\$200M (As of April 2018)

SCONI

1.22% Ni 1.06M tonnes contained nickel

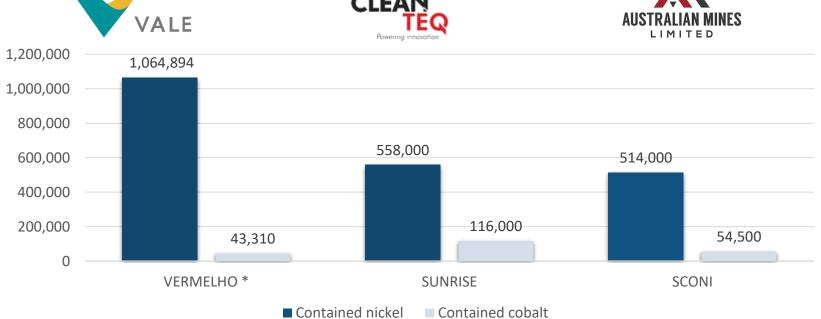
0.59% Ni 0.56M tonnes contained nickel

0.58% Ni 0.51M tonnes contained nickel





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INVESTMENT CASE Leveraged exposure to Nickel

Investment Case

- Combination of two advanced nickel projects creating large, high-grade and flexible resource base with consolidation of a nickel district
- Total (M&I) of 2.59Mt contained Ni (5,700 Mlbs @ US\$5/Ib) and 114 Kt Co (252 Mlbs @ US\$30/Ib)
- Araguaia PFS economics demonstrate over US\$1 billion in free cash flow over the LOM at US\$12,000/t Ni
- Development Profile
 - Mine 1 = Tier 1 Araguaia Ferronickel, 14,500tpa contained nickel production planned Q1 2021
 - Mine 2 = Vermelho (Ni/Co hydroxide & high-grade saprolite) potential for >20,000tpa nickel
- Current Market Cap ~\$85M, values Araguaia < US\$0.02/lb. Ni in the ground
- Pure play nickel company that can supply ferronickel to the stainless steel market, currently growing at 5-8%, and a potential product from Vermelho for the EV sector with exciting fundamentals

Nickel market fundamentals aligned with Company growth strategy



Planned Development Timeline

MINE 1

MINE 2

EXPANSION

14,500 TONNES P.A. CLASS II NICKEL

ARAGUAIA

- Proven RKEF process
- 14,500t Ni in ~50,000t
 FeNi per annum
- 28 year mine life
- First metal tap in 2021

>20,000 TONNES P.A. CLASS I NICKEL

VERMELHO

- Successful pilot campaign
- The Company estimates:
- 20,000 t production nickel in cathode per annum
- >30 year mine life

DOUBLE ARAGUAIA CAPACITY

ARAGUAIA EXPANSION

- Potential second RKEF line
- Double capacity to 29,000t contained Ni in ~100,000t FeNi per annum
- Funded through own cashflow



Key Data

Strong institutional backing endorses Horizonte's asset and team

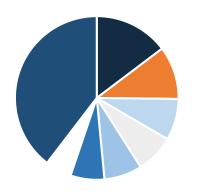






CANACCORD Genuity Wealth Management

Key Shareholders



- Teck Resources 14.7%
- Canaccord Genuity Group 10.5%
- JP Morgan 8.2%
- City Financial 7.6%
- Lombard Odier 7.5%
- Richard Griffiths 6.7%
- Glencore 5.2%

 Other 27.8%

GLENCORE

Ticker	AIM: HZM	TSX: HZM		
Share price	4.29p	C\$0.08		
Market Cap	£62M	C\$110M		
Cash + Equivalents	£9.4M	(C~\$16.9M)		
52 week trading	AIM: 2.3p – 5.2p	(C\$0.03 – C\$0.08)		
Nomad	finnCap	n/a		
Broker	Numis	n/a		
Analyst coverage	finnCap	Paradigm Capital		

(SP data from 13.4.18)



Team to Deliver

Owen Bavinton

William Fisher

Allan M Walker

Alexander N Christopher



David J. Hall
Chairman
30 years in exploration & development on projects and mines in over 40 countries. Extensive South America and Brazil experience. Experience includes Minorco, Anglo American and AngloGold.



Jeremy J. Martin
CEO and Director
Extensive exploration and mining experience across South America and Europe. Founding partner in a number of AIM and TSX listed resources companies; speaks Portuguese.



Non Executive Director
Previously Group Head of Exploration and Geo Sciences at Anglo American; extensive nickel experience both in Brazil and internationally; fluent in Portuguese.



Non Executive Director

Over 30 years of experience in mineral exploration and mining. Teck Resources Senior Vice President of Exploration, Projects and Technical Services.



Non Executive Director

Extensive industry experience in both major and junior exploration and mining positions worldwide. Currently on the Boards of Goldquest and Treasury Metals; speaks Portuguese.



Non Executive Director

Over 30 years of experience in energy and natural resources project finance. Experience includes being a director of Credit Suisse's project finance team in Brazil and being on the board of the country's largest wind farm. Mr Walker is fluent in Portuguese.





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