

Europe's Leading Conventional Lithium Project

SAVANNAH RESOURCES PLC
CORPORATE PRESENTATION – MAY 2019



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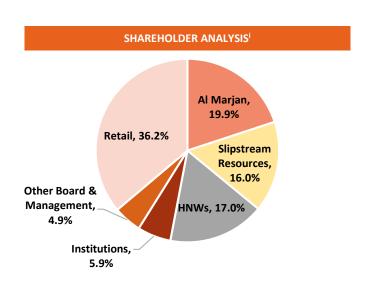
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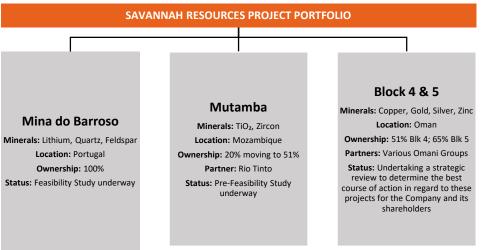


CORPORATE SNAPSHOT

KEY DATA			
MARKETS	AIM, FWB, SWB		
TICKER – AIM, FWB and SWB	SAV		
SHARE PRICE ¹	5.5p		
MARKET CAP ⁱⁱ	£57m		
SHARES IN ISSUE ⁱⁱ	1,044,451,795		
Net cash ⁱⁱⁱ	£7.7m		
OPTIONS/WARRANTS ⁱ	74,874,428		
AVERAGE EXERCISE PRICE	6.7p		







As at 15 May 2019 Assuming completion of proposed acquisition of outstanding 25% stake in Mina do Barroso As at 31 Dec 2018 Source: London Stock Exchange



THE EXECUTIVE TEAM



DAVID ARCHER - CEO

- Over 30 years' mining experience
- Track record of bringing exploration assets into production and adding value to resources investments
- CEO of ASX quoted Savage Resources developed from small IPO to a major mid-tier mining group with a market cap of ~AUS\$400m
- Advanced ASX quoted Hillgrove Resources from a listed shell into a profitable, dividend paying, AU\$200m market cap company



MICHAEL MCGARTY - CFO

- Qualified accountant with extensive M&A, Financial Leadership, and strategic planning experience
- Previous roles at blue chip MNC (Ingersoll Rand NYSE:IR) covering Europe, Middle East and Africa: Commercial Financial Controller, Director of FP&A, Leader of European Sarbanes-Oxley compliance initiative, Finance and Project Management



MARTIN STEINBILD - LITHIUM BUSINESS DEVELOPMENT

- Over 20 years' experience in prestigious companies with previous roles primarily in strategic management, marketing and business development
- Most recent past position of Senior Manager with Rockwood Lithium/Albemarle, the leading lithium producer in the world



DALE FERGUSON - TECHNICAL DIRECTOR

- Over 20 years' experience in the resources industry with Hillgrove Resources Limited, Thundelarra Exploration,
 Savage Resources Limited and Gasgoyne Gold Mines
- Experience spans greenfields and near mine exploration, resource delineation, feasibility studies, due diligence investigations and mine development and operations

















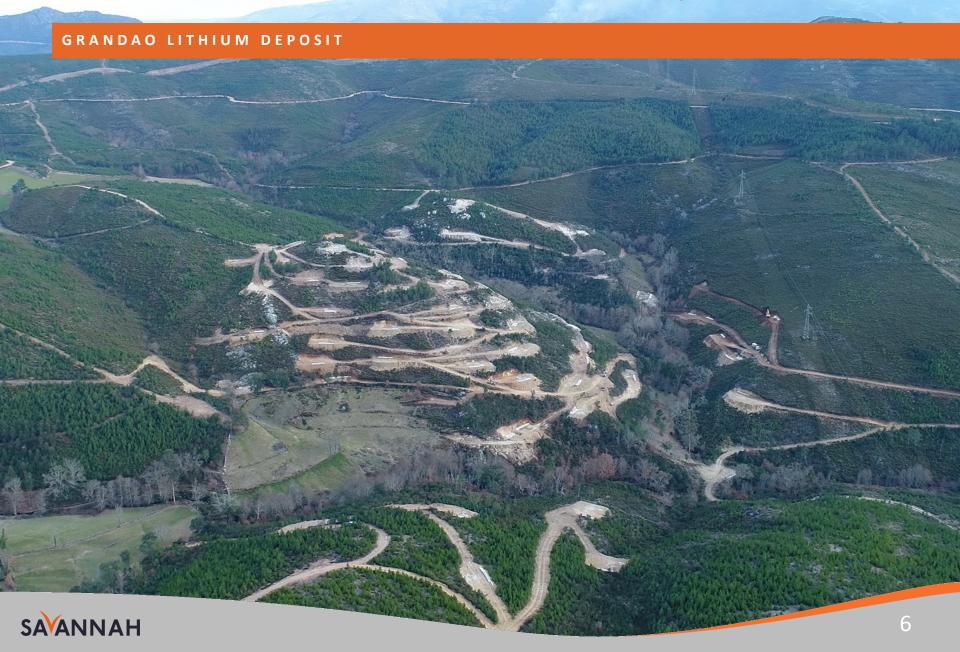


Quote by VW; "Last but not least, Volkswagen has set itself the goal of promoting lithium production in Europe in the medium term - there are relevant deposits in Central and Southern Europe, for example. Several production steps are required before the lithium enters the cell: first, the raw material is extracted from the rock, then processed in chemical processes to produce concentrate and hydroxide, then processed with cobalt, manganese and nickel to form a mixed oxide, applied to an aluminium foil, inserted as a wound foil into the cell housing and mixed with electrolytes. As many of these steps as possible are to be implemented in Europe in the future."

https://www.volkswagenag.com/en/news/stories/2019/04/lithium-the-irreplaceable-element-of-the-electric-era.html



MINA DO BARROSO LITHIUM PROJECT, PORTUGAL



MINA DO BARROSO LITHIUM - KEY PROJECT FEATURES

Regionally Significant Scale

Largest conventional lithium project in Western Europe (27Mt resource, 286kt contained Li₂O, 707kt LCE)

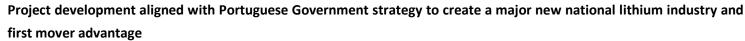
Annual Li concentrate production equates to c.40% of Europe's Auto LiB demand in 2025 & 20% in 2030i

Significant exploration upside including current Exploration Target of 11-19Mt

Ideal Location

Within the EU: Northern Portugal is likely to become Europe's major lithium producing region

Portugal is already the world's 7th largest lithium miner, and No.1 in Europe



The Project benefits from excellent road and power ii infrastructure

Situated just 140km (1h45m drive) from industrial ports on Portugal's Atlantic coast and the city of Porto

Compelling Economicsⁱⁱⁱ

Post-tax Economics: NPV (8%) US\$241m; IRR: 48.6%; Pay back: 2.1 years

CAPEX (ex-contingency): Initial US\$109m; Sustaining US\$11.8m

OP COSTS (/t conc): C1 – US\$210 (Yr 1-4, 1st quartile)iv & US\$271 LoM (2nd quartile); AISC LoM: US\$277



Low Risk &
Highly
Strategic
Opportunity

'Achievable' capex + experienced management team

Project could provide the baseload tonnage for a potential Li hydroxide production plant near Porto

European auto sector Li demand to grow 16x by 2030ⁱ, driven by EU emissions legislation

EU determine to establish domestic Li supply chain to sustain regional Auto industry

Next Steps & Targets

DFS and EIA underway and to be completed later this year

Production start late 2020/complete commissioning early 2021

¹Roskill ¹Renewable energy (hydro, wind, biomass and solar) accounted for 52% of Portugal's domestic power generation in 2018. Source: www.renewablesnow.com ¹Figures based on June 2018 Scoping Study, RNS 13.06.18 ¹Roskill (2023F Spodumene cash cost curve)

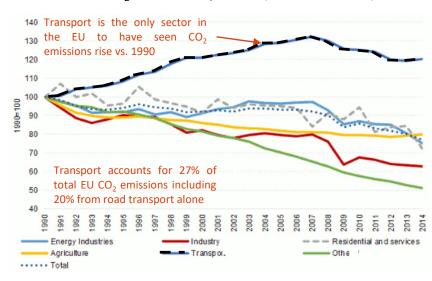


EUROPEAN LITHIUM MARKET OVERVIEW

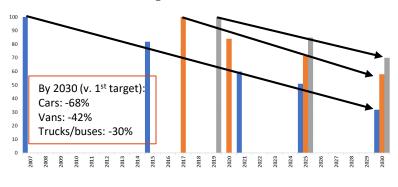
Decarbonising EU transport with Li batteries

- The EU is targeting a climate neutral economy by 2050 driven by forceful emission-related legislation
- Rechargeable lithium ion batteries (LiB) now the principal technology for the 'decarbonisation of mobility'
- Sustainable LiB production in the region will be critical to the future of Europe's automotive and industrial sectors
- But automotive electrification is a global phenomenon and Europe faces competition for LiB raw materials
- SAV can play a key role in supplying Europe's LiB/EV manufacturing industries

EU CO₂ emissions by sector (1990 level =100)ⁱ



EU Vehicle CO₂ emission targets (indexed to 100)

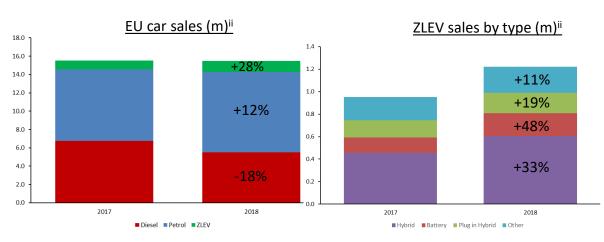


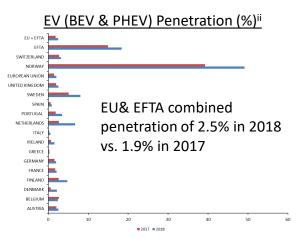
European Union



EUROPEAN COUNTRY SPECIFIC TARGETS & RECENT SALES

YEAR	Country & Target ⁱ
2020	Netherlands – 10% market share for EVs United Kingdom – sales of between 396-431k EVs Other EU (under 2017 Alternative Fuel Directive) – Combined sales of between 450-760k EVs
2025	Norway – ICEs banned from sale
2030	Germany, Iceland, Ireland, Netherlands, Slovenia & Sweden – ICEs banned from sale, or 100% EV sales targets set Finland – Sales target of 0.25m EVs Other EU (Under 2017 Alternative Fuel Directive) – Combined sales of 5.42-6.27m EVs
2040	France, United Kingdom, Spain – ICEs banned from sale



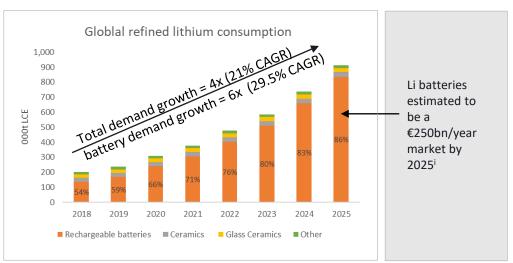


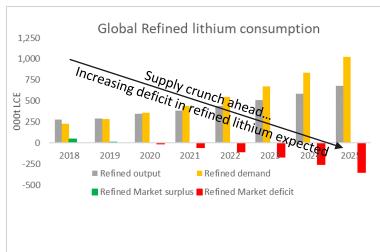
Global EV Outlook 2017; International Energy Agency

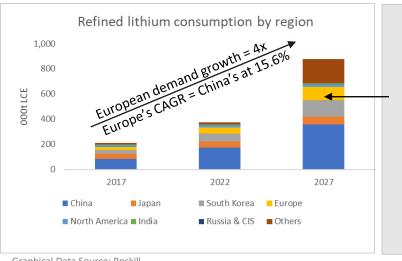
"European Automobile Manufacturers Association press release 7 Feb 2019



BATTERY DEMAND TO DRIVE LITHIUM CONSUMPTION

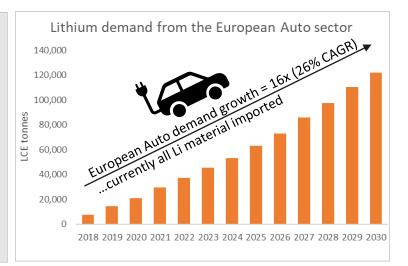






Europe's Li consumption to be maintained at c.13% of global total

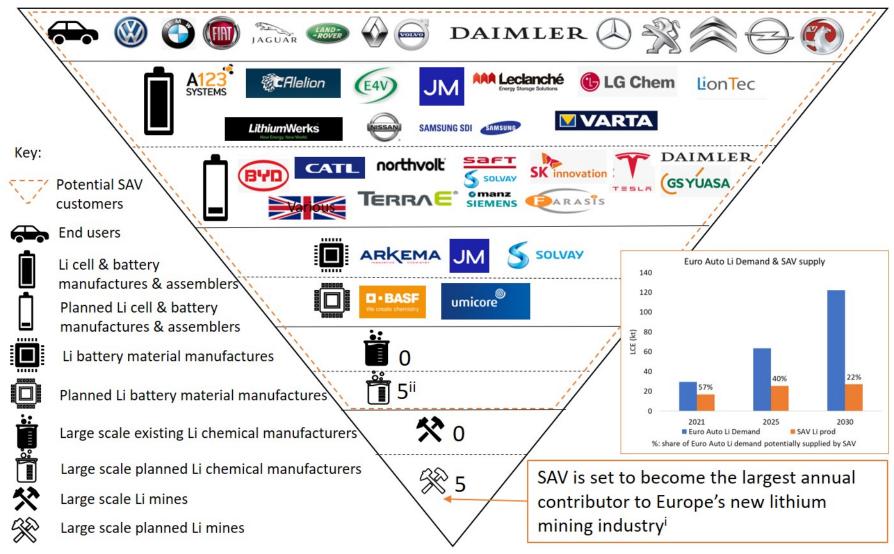
But, Europe's Auto demand will rise from 4% to 10% of global total by 2027



Graphical Data Source: Roskill InnoEnergy SE



EU LIB/EV MARKET NEEDS ITS OWN SUPPLY BASE

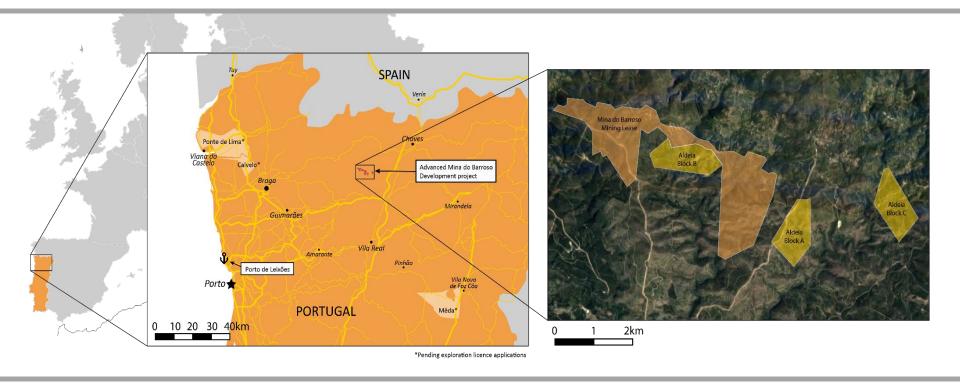


Based on lithium equivalent production vs. EUA, EMH, INF & KELIBER

ⁱⁱ4 of the 5 proposed Li chemical plants are part of combined mine-plant development projects



MINA DO BARROSO - LITHIUM PROJECT OVERVIEW



Mina do Barroso is one of four highly prospective lithium tenements covering 543km² in northern Portugal. The tenement portfolio includes one granted Mining Leaseⁱ (5.42km²), and three pending exploration licence applicationsⁱⁱ

Savannah acquired a 75% interest in the Portuguese Li portfolio in May 2017 and, subject to shareholder approval and executing Share Purchase Agreement with the Vendors, intends to acquire the outstanding 25% interest in an all share deal (announced in April 2019)

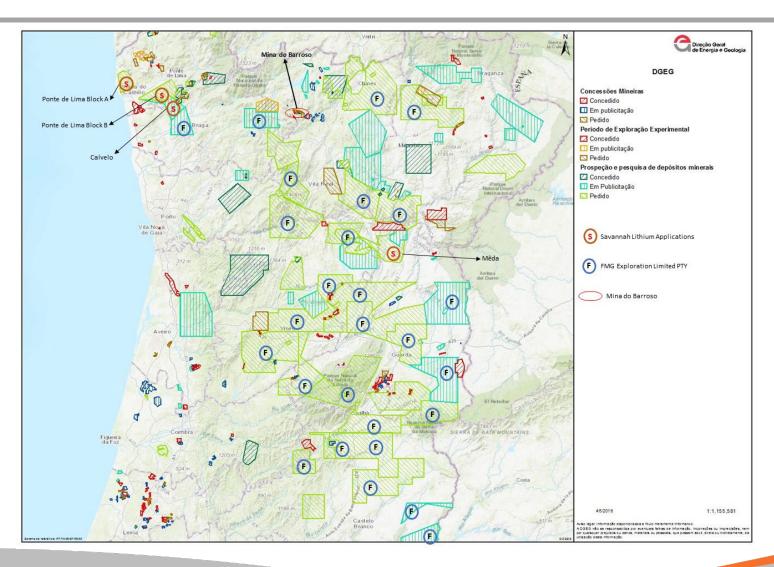
In September 2018 Savannah acquired an option from Aldeia & Irmão S.A. for the potential acquisition of a 2.94km², three-block Mining Lease (once granted) near the Mina do Barroso project

ⁱMina do Barroso Mining Lease with 30 year term to May 2036

[&]quot;The pending applications are currently subject to government review and may go to public tender



FORTESCUE - LITHIUM TENEMENTS





MINA DO BARROSO - KEY DEPOSITS AND TARGETS

Mina do Barroso features multiple lithium deposits across the 30 year C-100 Mining Leaseⁱ Mina do Barroso Drill Summary Map Pegmatite quarrying taking place on Block A **NOA Deposit** Reservatorio Deposit Block B Carvalha da Bacora Grandao Deposit Block C Pinheil o Deposit Block A Legend Savannah Drilling 2017 2018 The option to acquire the additional ("Aldeia") 2019 Mining Lease Application ground adds potential Mina do Barroso C-100 to enhance mine site logistics with significant further resource expansion potential Aldeia Exploration Area Kilometers Nucleos ⁱGranted May 2006



MINA DO BARROSO - RESOURCES AND BEST ASSAYS

The current 27Mt JORC resource lies within just 5 deposits which all remain open in multiple directions

NOA Deposit

Current Indicated & Inferred Resource: 0.6Mt @ 1.1% Li₂O (7kt Li₂O contained)

Drilling highlights:

- 13m at 1.19% Li₂O from 7m
- 11m at 1.23% Li₂O from 46m

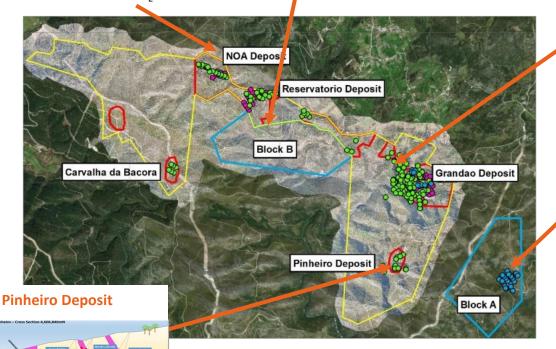
Reservatorio Deposit

Current Inferred Resource:

3.2Mt @ 1.0% Li₂O (32kt Li₂O contained)

Drilling highlights:

- 36m at 1.26% Li₂O from 29m
- 33m at 1.15% Li₂O from 16m



Current Inferred Resource:

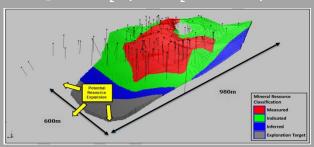
2.0Mt @ 1.0% Li₂O (20kt Li₂O contained)

Drilling highlights:

90mⁱ at 1.23% Li₂O from 39m

Grandao Deposit

Current Measured, Indicated & Inferred Resource: 17.7Mt @ 1.04% Li₂O (182kt Li₂O contained)



Drilling highlights:

- 109m at 1.04% Li₂O from surface (uncut)
- 25m at 1.49% Li₂O from 32m

Aldeia Block A Deposit

Current Indicated & Inferred Resource:

3.5Mt @ 1.3% Li₂O (45kt contained)



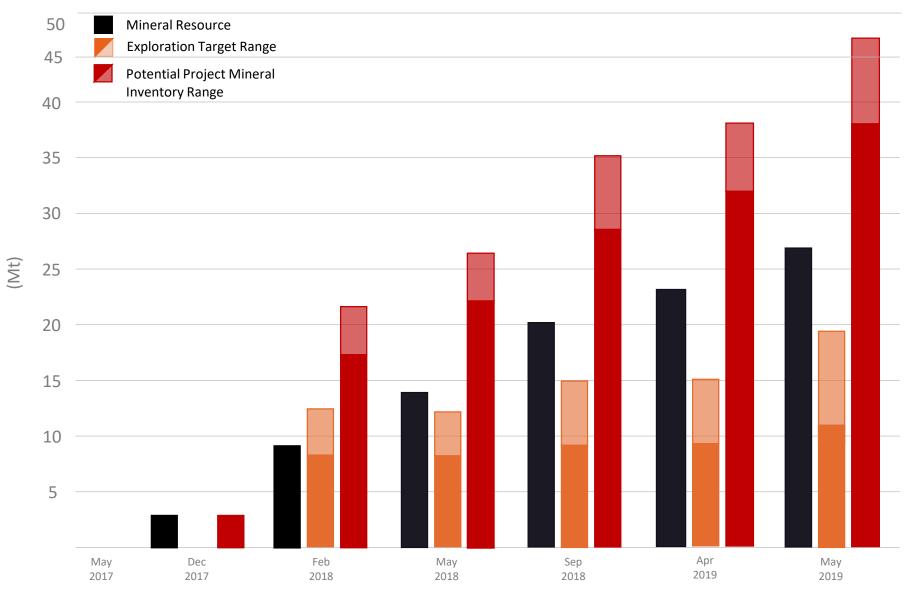
Drilling highlights:

- 45m at 1.67% Li₂O from 89m
- 31.7m at 1.47% Li₂O from 80m



Drilled partially down dip

MINA DO BARROSO - RAPIDLY EXPANDING RESOURCE BASE



Cautionary Statement: The potential quantity and grade of the Exploration Targets is conceptual in nature, there has been insufficient exploration work to estimate a mineral resource and it is uncertain if further exploration will result in defining a mineral resource.



MINA DO BARROSO-LARGE RESOURCE + GROWTH POTENTIAL

- Spodumene is the primary Li₂O bearing mineral, with trace or low amounts (~1%) of Li₂O also present within eucryptite and petalite, both lithium alumino silicate minerals, similar in structure to spodumene. Trace epidolite (lithium bearing mica) also present
- Primary gangue minerals are feldspar (albite and microcline), quartz and mica (muscovite and phlogophite)

Deposits included	Current JORC (2012) Mineral	Current JORC (2012) Mineral Resource Estimate on the C-100 Mining Lease (April 2019, 0.5% Li ₂ O cut-off)			
		<u>Measured</u>	<u>Indicated</u>	<u>Inferred</u>	<u>Total</u>
Grandao	Million tonnes	6.6	8.4	12.0	27.0
Reservatorio	Li ₂ O (%)	1.1	1.0	1.1	1.0
Pinheiro	Fe ₂ O ₃ (%)	0.7	0.7	0.9	0.9
NOA Aldeia	Contained Li ₂ O (000t)	72	87	128	286
	Contained LCE equivalent (000t)	177	214	316	707

Deposits included	Current Exploration target on the C-100 Mining Lease ⁱ				
Grandao	Million tonnes	<u>Low</u> 11.0		<u>High</u> 19.0	11.0-19.0
Reservatorio Aldeia	Li ₂ O (%)	1.0		1.2	1.0-1.2



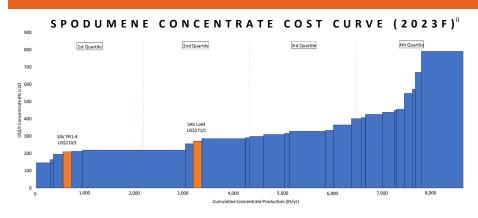
MULTIPLE OPPORTUNITIES TO ADD TO THE CURRENT MINERAL RESOURCE BASE AND EXTEND THE PROJECT'S CURRENT 11 YEAR SCHEDULE

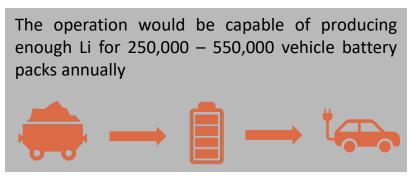
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MINA DO BARROSO - THE PROJECT IN NUMBERS'

The June 2018 scoping study by Hatch demonstrated Mina do Barroso's economic viability



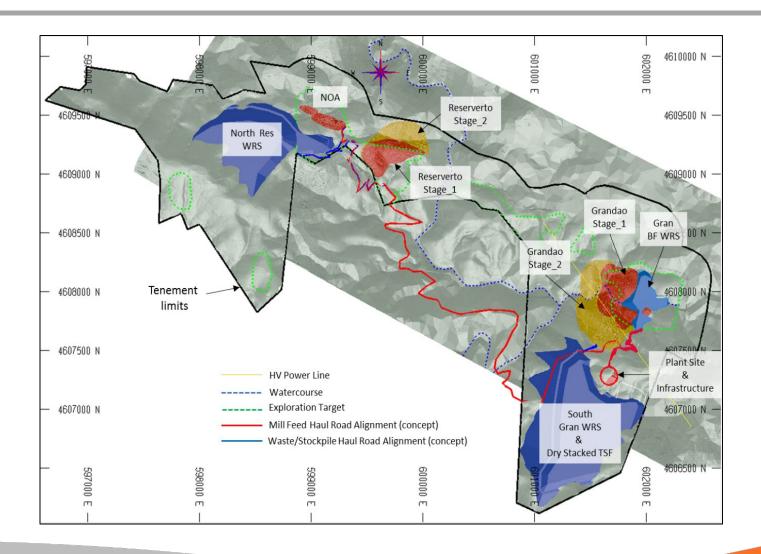


Operating parameters and assumptions		Financial & economic outcomes		
Mineable open pit resource	14.4Mt @ 1.07% Li ₂ O	Gross Revenue (LoM; Avg pa)	US\$1,555m; US\$140m	
Final Lithium concentrate product	6% Li ₂ O Spodumene (Spod)	EBITDA (LoM; Avg pa)	US\$805m; US\$73m	
Spodumene concentrate production & average price	175,000tpa; US\$685/t	Pre-tax FCF (LoM; Avg pa)	US\$651m; US\$59m	
Lithium carbonate/hydroxide equivalent	~26,000tpa/~29,000tpa	Net FCF (LoM; Avg pa)	US\$458m; US\$41m	
EV battery pack equivalent production	0.25-0.55 million packs pa	Pre-tax NPV (8% discount rate)	US\$356m	
Co-products	Feldspar, Quartz, Pegmatite	Pre-tax IRR	63.2%	
Li recovery processing route (80% recovery)	Crush-grind-DMS-flotation	Pre-tax payback	1.7 years	
C1 net cash costs (/t Spod concentrate)	Yr1-4: US\$210; LoM:US\$271	Post-tax NPV (8% discount rate)	US\$241m	
Initial capex (ex. Contingency)	US\$109m	Post-tax IRR	48.6%	
Initial life of mine (LoM)	11 years	Post-tax payback	2.1 years	

¹Figures based on June 2018 Scoping Study, RNS 13.06.18 ¹¹Roskill



MINA DO BARROSO - CONCEPTUAL SITE LAYOUT





MINA DO BARROSO-DEFINED ROUTE TO PRODUCTION

FAST-TRACKING TO PRODUCTION - TARGETED TO COMMENCE IN 2020

2017 Targets achieved

- ✓ Staged acquisition of 75% project stake announced
- Positive preliminary metallurgical test work completed
- ✓ Resource drilling commenced
- ✓ Maiden Inferred JORC Resource estimate made (3.2Mt@1.0% Li₂O)

2017

2018 Targets achieved

- √ 3 increases made to JORC Resource (latest 20Mt @ 1.04% Li₂O)
- Positive Scoping Study published
- √ £12.5m capital raised
- ✓ Staged acquisition of 75% stake completed
- Fully funded Feasibility Study commenced
- ✓ Option executed on adjacent Mining Lease Application (Aldeia)
- Mine Lease amendment process commenced
- ✓ Strategic Partner/Offtake contract discussions commenced

2018

2019 Targets

- ✓ 5th Mineral Resource increase now 27Mt
- ✓ Further Resource infill & extension drilling
- ✓ Further Mineral Resource increases
- Award of expanded Mining Lease
- Exercise of Aldeia option
- EIA approval & processing plant permitting completed
- Completion of Feasibility Study
- Strategic partner/offtake contracts secured
- Project finance secured
- Final Investment Decision

2019

2020 Targets

- Project Construction
- Project Commissioning
- First spodumene concentrate produced

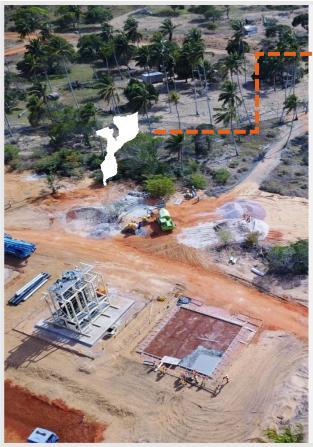
2020

Forecast management timeline



ADDITIONAL UPSIDE - MOZAMBIQUE

MUTAMBA HEAVY MINERAL SANDS

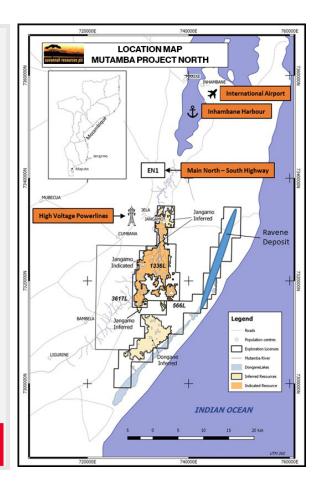




World class project with significant scale being developed in partnership with Rio Tinto

- Joint venture with Rio Tinto earning up to 51% interest with PFS (underway) and DFS
- Provides longer-term upside
- Indicated and Inferred Mineral Resource of 4.4Bt at 3.9% THM
- Scoping study completed (headlines overleaf)
- Initial LOM of 30 years with mining inventory of 451Mt at 6% THM
- Pre-Feasibility Study underway

RioTinto



MOZAMBIQUE - MUTAMBA IN NUMBERS

MAY 2017 SCOPING STUDY BY TZMI SHOWS POTENTIAL FOR A LONG LIFE, ROBUST PROJECT

100% Basis Targeting annual average production of 456,000t of ilmenite and 118,000t of non-magnetic concentrate

30 years

Life of mine (LOM)

US\$4.23ⁱ billion

LOM revenue forecast

NPVii

US\$245M

IRRii

23%

451Mt at 6% THM

Mining inventory

US\$152 million

Initial CAPEX (excl. EPC/ contingency

2:451

LOM strip ratio (waste:ore)

Paybackⁱⁱ

4 years

Based on Management Case Two +20% Product Price (US\$/t), RNS 30.05.17
Based on Management Case One +10% Product Price (US\$/t) and Pre-tax figures. RNS 30.05.17



- Owner/operator of the 100%ⁱ owned Mina do Barroso Lithium Mining Lease Project in Portugal
- Significant mineral resource of 27Mtⁱⁱ Li₂0 in situ Western Europe's largest new spodumene lithium discovery...and growing
- Strategically located close to the fast-growing EU lithium ion battery industry
- Objective to become the first significant lithium spodumene producer in Europe targeting commercial production in 2020
- Strong market fundamentals with regard to the rise of Electric Vehicles European automotive lithium demand to rise 16-fold by 2030
- Geo-economically strategic to the development of an end-to-end lithium value chain in Europe
- Battery metals focussed company with near term operations in Portugal and a world class heavy mineral sands project in Mozambique in JV with global major, Rio Tinto

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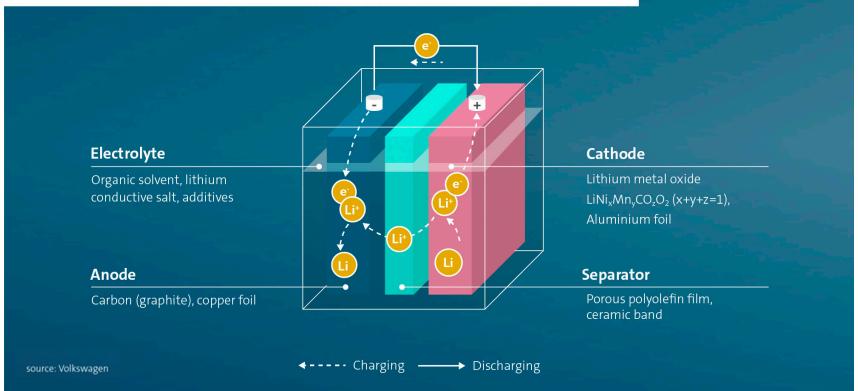
ⁱAssuming completion of proposed acquisition of outstanding 25% stake in Mina do Barroso

APPENDIX



HOW A LI-IONBATTERY WORKS

From charging to discharging



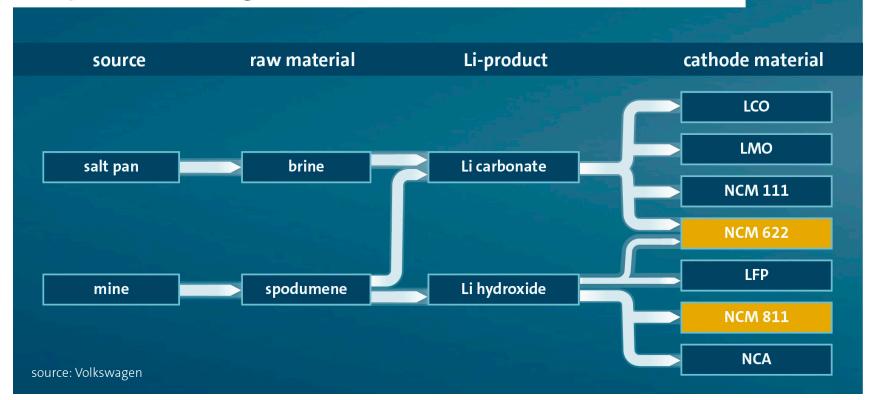


LONG-TERM STRATEGY ON THREE LEVELS What Volkswagen does for more sustainability in production 2017 2030 2nd-use Recycling i.e. Reduction **Expansion of** Re-use of Lithium, **Cobalt and Nickel from** of Cobald battery life-time battery production source: Volkswagen

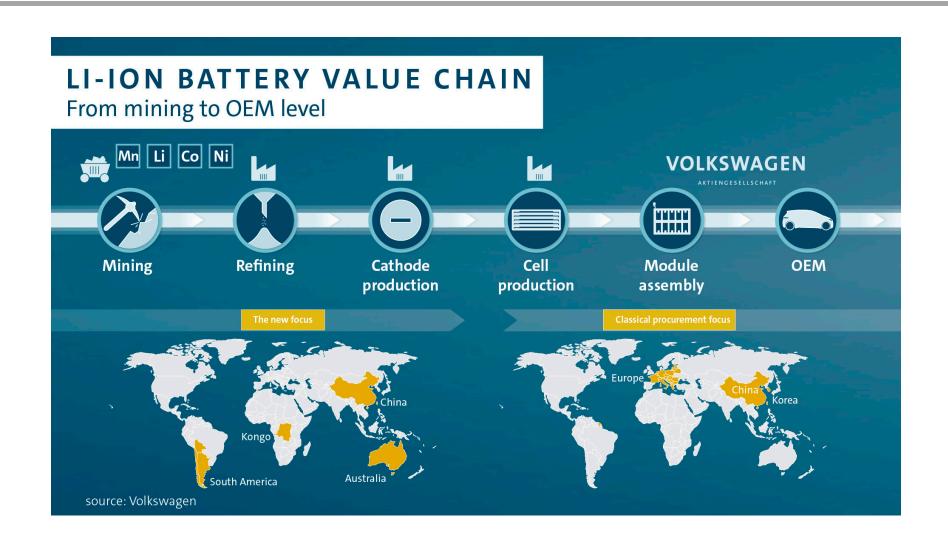


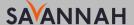
WHY MINING IS MORE FUTURE-COMPLIANT

Li-Hydroxid as starting material for HV batteries



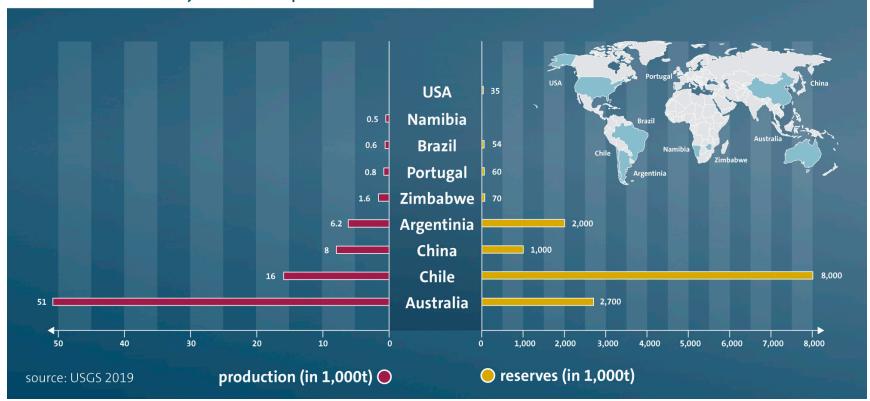






AUSTRALIA AND CHILE IN THE FRONT ROW

Countries with major Lithium production and reserves





LITHIUM MINING IN PORTUGAL - THE INDUSTRY EXISTS

Portugal is already the world's 7th largest lithium miner, and No.1 in Europe

COUNTRY	2017 Mine production (LCE ⁱ , tonnes) ⁱⁱ
Australia (excl. DSO ⁱⁱⁱ)	157,415
Chile	77,500
China	36,339
Argentina	29,892
Zimbabwe	5,300
USA	3,000
Portugal	1,630
Brazil	990
Canada	170
Spain	100
Total	312,236

- Like Australia, lithium production in Portugal is solely from hardrock, and principally pegmatites. Current production is 1% of that in Australia
- Production in Portugal has been used in lithium's traditional markets of glass and ceramics. There was previously production from pegmatites at Mina do Barroso
- With the significant growth in the Australian lithium mining sector, hardrock production has become the dominant source of supply globally (55% vs. 45% for brine in 2017ⁱⁱ)
- The Portuguese Government is keen to develop a new lithium production industry based on its the country's significant in ground lithium resources

Conclusion: OPERATIONAL RISK IS LOW

ⁱLCE = Lithium carbonate equivalent

iiSource: Roskill

iiiDSO = Direct Shipping Ore



FEASIBILITY STUDY CONSIDERATIONS

THE FEASIBILITY STUDY IS BUILDING ON THE POSITIVE SCOPING STUDY

Consideration	Comments
Throughput rate	May be increased from 1.3Mtpa to reflect the 40% increase in the resource from 14Mt to 20Mt since the Hatch Scoping Study completed
Mine schedule	The Feasibility Study is considering reducing the number of separate mine phases to increase overall efficiency
Co-products	A recent marketing exercise has reported prices for co-products could be significantly higher than reported in Scoping Study: Feldspar U\$\$65-100/t vs. U\$\$39/t Quartz U\$\$60-100/t vs. U\$\$33/t Bulk tail U\$\$40-45/t vs. U\$\$15/t for Pegmatite Evaluation of a potential U\$\$500/t+ mica product also ongoing
Lithium recovery	Encouraging initial results have been produced based on variations to the processing route outlined in the Scoping Study. Pilot scale testing on bulk sampling is planned to confirm the flow sheet process and final plant design

Feasibility Study consultant group includes:











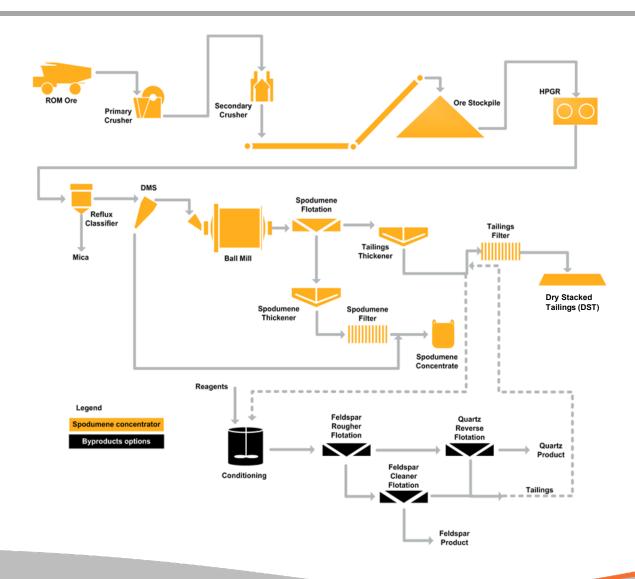








MINA DO BARROSO - SCOPING STUDY FLOWSHEET





KEY FEASIBILITY CONSULTANTS

- Primero Group Lead Consultant: Primero (ASX: PGX) is a leading provider of diversified engineering services to the global resources industry, which specialises in the design, construction, operation and maintenance of mineral processing facilities and their associated infrastructure. The Group brings valuable hard rock lithium experience to the Project, having been engaged on recent lithium projects in Australia, North America and South America at both the study and EPC project delivery levels. Key consultants include:
- Wood Mining Consultant: International consulting group Wood (trading as Amec Foster Wheeler Australia Pty Ltd) has a
 wealth of procurement and estimating experience in lithium studies and mining projects worldwide, including Europe. It also
 has a track record of developing relationships with European mining contractors and securing quotes for mining services
- Knight Piésold Tailings, Water and Geotechnical: Knight Piésold is an international firm of consulting engineers with Australian offices in Perth and Brisbane, which provide specialised services to the mining industry in the fields of geotechnical, geological, waste management, and water resources engineering. The Knight Piésold Group is an international organisation with over 90 years of experience in the fields of mining, power, water, transport and environmental engineering. In addition to the Australian offices, the Knight Piésold Group has offices in Ghana, South Africa, the USA, UK, Canada, Singapore, Chile, Peru, Argentina, Colombia and China
- Nagrom Spodumene DMS/Floatation, By Product Testwork: Nagrom, based in West Australia, has been providing metallurgical services to the mining industry for the past 40 years. The group, which can conduct ore characterisation and circuit specification based on all major processing techniques, provided the metallurgical testwork services which formed the basis for the plant design and recovery rates presented in the MdB Scoping Study. Nagrom is now performing a second, more comprehensive, phase of test work for the Feasibility Study
- VISA Consultores Environmental Studies and Licensing: Established in 1992, Visa Consultores ('Visa') is a Portuguese consultancy specialising in the areas of applied geology and environmental management, with strong expertise in the mining industry. Visa has worked on over 600 projects in Portugal, including a number of mine related Environmental Impact Assessment ('EIA') briefs. The group conducted the EIA on the MdB project as part of the successful 2006 Mining Lease application by the Project's previous owner, and is conducting a new EIA on the Project based on the latest mine and processing plant parameters



SAVANNAH OWNERS TEAM

Savannah's owners team is made of a group of highly experienced and motivated mining executives with a strong record of delivering mining development projects

- Dean Wadsworth Chief Geologist: Dean is a very experienced geologist with over 30 years' experience of managing exploration programs in remote places around the world
- David Price Exploration Manager (Portugal): David is a highly experienced exploration, development and mining geologist with over 20 years' industry experience
- Joao Barros Country Manager Portugal: Joao has a BSc (Egineering) and MSc (Geology), has more that 14 years of relevant experience in the field of exploration and mining
- Paul O'Donoghue Social and Landholder Manager: Former diplomat turned entrepreneur with directorships and/or involvement in property development, mining activities with a focus on community/social issues and corporate investment banking
- Alan Rubio Feasibility Manager: Alan is a private consultant operating through his private company Combined Effort and has over 20 years' experience working in design, study management and project engineering roles within the resource and petrochemical industries
- Noel O'Brien Metallurgical Manager: Noel holds a Bachelor of Metallurgical Engineering, a MBA, is a fellow of the AusIMM, has over 40 years' of industry experience and consults through his private consulting company Trinol providing metallurgical support to develop flow sheets and process plant solutions.
- Nigel Spicer Mining Manager: Results orientated and highly experienced Mining Engineer providing first class engineering and commercial advice and services with over 30 years' experience in the mining industry



