

14 May 2019

South32 Limited (Incorporated in Australia under the *Corporations Act 2001* (Cth)) (ACN 093 732 597) ASX / LSE / JSE Share Code: S32 ADR: SOUHY ISIN: AU000000S320 south32.net

BANK OF AMERICA MERRILL LYNCH GLOBAL METALS, MINING & STEEL CONFERENCE PRESENTATION 2019

South32 Limited Chief Executive Officer, Graham Kerr will present at the Bank of America Merrill Lynch Global Metals, Mining & Steel Conference in Barcelona, Spain today.

The presentation is attached and an accompanying webcast will be available on the South32 website (<u>https://www.south32.net/investors-media/reports-and-presentations</u>).

About South32

South32 is a globally diversified mining and metals company. We produce bauxite, alumina, aluminium, energy and metallurgical coal, manganese, nickel, silver, lead and zinc at our operations in Australia, Southern Africa and South America. We are also the owner of a high grade zinc, lead and silver development option in North America and have several partnerships with junior explorers with a focus on base metals. Our purpose is to make a difference by developing natural resources, improving people's lives now and for generations to come, and to be trusted by our owners and partners to realise the potential of their resources.

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JSE Sponsor: UBS South Africa (Pty) Ltd 14 May 2019





Bank of America Merrill Lynch Global Metals, Mining & Steel Conference 2019

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Important notices



This presentation should be read in conjunction with the "Financial results and outlook - half year ended 31 December 2018" announcement released on 14 February 2019, which is available on South32's website (www.south32.net).

Figures in italics indicate that an adjustment has been made since the figures were previously reported.

FORWARD-LOOKING STATEMENTS

This presentation contains forward-looking statements, including statements about trends in commodity prices and currency exchange rates; demand for commodities; production forecasts; plans, strategies and objectives of management; capital costs and scheduling; operating costs; anticipated productive lives of projects, mines and facilities; and provisions and contingent liabilities. These forward-looking statements reflect expectations at the date of this presentation, however they are not guarantees or predictions of future performance or statements of fact. They involve known and unknown risks, uncertainties and other factors, many of which are beyond our control, and which may cause actual results to differ materially from those expressed in the statements contained in this presentation. Readers are cautioned not to put undue reliance on forward-looking statements. South32 makes no representation, assurance or guarantee as to the accuracy or likelihood or fulfilment of any forward-looking statement or any outcomes expressed or implied in any forward-looking statement. Except as required by applicable laws or regulations, the South32 Group does not undertake to publicly update or review any forward-looking statements, whether as a result of new information or future events. Past performance cannot be relied on as a guide to future performance. The denotation (e) refers to an estimate or forecast year.

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This presentation includes certain non-IFRS financial measures, including Underlying EBITDA margin, Underlying EBITDA, Basic Underlying earnings per share, Underlying effective tax rate, Underlying EBIT and Underlying return on invested capital, Free cash flow, net debt, net cash, net operating assets, Operating margin and ROIC. These measures are used internally by management to assess the performance of our business, make decisions on the allocation of our resources and assess operational management. Non-IFRS measures have not been subject to audit or review and should not be considered as an indication of or alternative to an IFRS measure of profitability, financial performance or liquidity.

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NO FINANCIAL OR INVESTMENT ADVICE – SOUTH AFRICA

South32 does not provide any financial or investment 'advice' as that term is defined in the South African Financial Advisory and Intermediary Services Act, 37 of 2002.

MINERAL RESOURCES AND ORE RESERVES

The information in this presentation that relates to Mineral Resource estimates for MRN was declared as part of South32's Annual Resource and Reserve declaration in the Annual Report 2018 (www.south32.net) issued on 7 September 2018 and prepared by M A H Monteiro in accordance with the requirements of the JORC Code. South32 confirms that it is not aware of any new information or data that materially affects the information included in the original announcement. All material assumptions and technical parameters underpinning the estimates in the relevant market announcement continue to apply and have not materially changed. South32 confirms that the form and context in which the Competent Person's findings are presented have not been materially modified from the original market announcement.

The information in this presentation that relates to estimates of Mineral Resources for the Hermosa Project are qualifying foreign estimates under ASX Listing Rules and reference should be made to the clarifying statement on Mineral Resources in the market announcement 'South32 to acquire Arizona Mining in agreed all cash offer' dated 18 June 2018, in accordance with ASX Listing Rule 5.12. South32 is not in possession of any new information or data relating to the foreign estimate that materially impacts on the reliability of the estimates. South32 confirms that the information contained in the clarifying statement in the 18 June 2018 market announcement continues to apply and has not materially changed. The estimates of Mineral Resources are not reported in accordance with the JORC Code. Competent Persons have not done sufficient work to classify the foreign estimates as Mineral Resources in accordance with JORC Code. It is uncertain that following evaluation and further exploration that the foreign estimates will be able to be reported as Mineral Resources or Ore Reserves in accordance with the JORC Code.

The information in this presentation that relates to estimates of Coal Resources for Eagle Downs Metallurgical Coal project was declared as part of South32's media release "South32 to acquire 50% interest in Eagle Downs and assume operatorship" issued on 29 May 2018 and prepared by Competent Person in accordance with the requirements of the JORC Code. South32 confirms that it is not aware of any new information or data that materially affects the information included in the original announcement. All material assumptions and technical parameters underpinning the estimates in the relevant market announcement continue to apply and have not materially changed. South32 confirms that the form and context in which the Competent Person's findings are presented have not been materially modified from the original market announcement.

Other information in this presentation that relates to Ore Reserve and Mineral Resource estimates was declared as part of South32's annual Resource and Reserve declaration in the FY18 Annual Report (www.south32.net) issued on 7 September 2018 and prepared by Competent Persons in accordance with the requirements of the JORC Code. South32 confirms that it is not aware of any new information or data that materially affects the information included in the original announcement. All material assumptions and technical parameters underpinning the estimates in the relevant market announcement continue to apply and have not materially changed. South32 confirms that the form and context in which the Competent Person's findings are presented have not been materially modified from the original market announcement.



Consistently apply our strategy

Sustainably improve our operating performance

Continue to embed high quality options

Complete South Africa Energy Coal divestment

Further reshape and improve our portfolio

Maintain capital discipline

Our portfolio





Shareholder returns





Notes:

Based on committed and paid shareholder returns across a three year period in the form of ordinary dividends, special dividends and our on-market share buy-back program. Market capitalisation as at 30 April 2019 а is calculated as the number of shares on issue (5,031 million), the South32 closing share price A\$3.34 and an AUD:USD exchange rate of 0.70.

Net cash number is unaudited and should not be considered as an indication of or alternative to an IFRS measure of profitability, financial performance or liquidity. b

Manganese market





Source: GTIS, South32 Industry Analysis

Notes:

CY19 based on March 2019 YTD annualised a.

Long term consensus estimates based on a selection of brokers which includes: BMO Capital, Bank of America Merrill Lynch, Citi, Credit Suisse, Deutsche Bank, HSBC, JP Morgan, Macquarie, Renaissance Capital and UBS. h

Our manganese operations



H1 FY19 EBITDA contribution^(a)



Industry leading position in manganese ore, with joint venture supplying 20%^(b) of seaborne market

Manganese oreManganese alloy

Operating margin (Australia Manganese ore)



Operating margin (South Africa Manganese ore)



Australia Manganese ore

- Unit costs have remained steady, despite an increase in strip ratio
- Pursuing further optimisation of the PC02 circuit (currently operating at 120% of nameplate capacity)
- Pursuing life extension opportunities
 - Assessment of eastern leases resource to convert to reserve
 - Approval to drill southern areas (expected H1 FY20)

South Africa Manganese ore

- Completion of the Wessels central block project with increased sales of premium product
- Opportunistic trucking to capture additional margin
- Reviewing options to expand Wessels underground and upgrade train load-out infrastructure

Australia and South Africa Manganese alloy

 Reviewing options for our alloy smelters as changes in market dynamics have reduced the attractiveness of our exposure

Notes:

a. Presented on a proportionally consolidated basis.

b. South32 analysis. CY18 data presented on a 100% basis.

Alumina and aluminium markets



Deteriorating Chinese supply has

increased dependence on

imported bauxite

Aluminium industry expected to remain at low profitability in near term

Raw material cost pressure has subsided from H1 FY19 peak

Aluminium price and % of LME aluminium price (US\$/t; %)





Chinese regulations have led to

closures and delays in

new alumina refinery builds

Notes:

a. Long term consensus estimates based on a selection of brokers which includes: Barclays, BMO Capital, Bank of America Merrill Lynch, Citi, Credit Suisse, Deutsche Bank, HSBC, Investec, Jefferies, JP Morgan, Macquarie, Morgan Stanley, RBC, Renaissance, SMBC and UBS.

b. Sources: LME, Baiinfo, Aladinny, AZ China, CRU, Platts, Jacobs. Calculation assumes 1t of aluminium, 1.9t alumina, 0.35t coke, 0.075t pitch and 0.02t aluminium tri-fluoride.

Our alumina and aluminium operations



H1 FY19 EBITDA contribution



Alumina

Aluminium

Operating margin (Alumina)



Operating margin (Aluminium)



Worsley Alumina

- Historical investment of US\$3.2B in Efficiency and Growth project positioned the refinery as one of the largest and lowest cost in the industry
- Targeting a sustainable improvement in calciner availability to lift production to nameplate capacity from FY20 ahead of de-bottlenecking activities

Brazil Alumina

- Package boilers installed to improve the reliability of steam generation, enabling the full benefits of the De-bottlenecking Phase One project to be realised from FY20
- Joint venture partners have approved a pre-feasibility study to extend MRN bauxite mine life by approximately 20 years^(b) with a lower capital cost option

Hillside and Mozal Aluminium

- Cost base mostly variable raw material inputs and power
- Workforce restructure at Hillside to align smelter with industry benchmarks and the implementation of AP3XLE technology at Mozal to improve energy efficiency

Notes:

- a. FY19e forecast.
- b. Refer to important notices (slide 2) for additional disclosure.

Metallurgical coal market



	et remains tight and e to supply disruption	Cost curve will continue to steepen due to higher logistics costs and maturing assets	Environmental restrictions increasing demand for higher quality coals	for increasingly come from projects India and other emerging
(US\$/t, FO		sh cost curve (CY19) ^(a)		Metallurgical coal price (US\$/t)
160	Australia ■Russia ■U	nited States ■Canada ■Mozambique ■Othe	er	350
140			_1	300 1
120				250
100				200
80				
60				
40				100
20				50
	25%	50% 75%	100%	Jan-17 Jul-17 Jan-18 Jul-18 Jan-19
Source: W	Vood Mackenzie			Platts Low-Vol Coking Coal FOB – – – Consensus long term ^(b)

Notes:

a. Quality unadjusted basis.

b. Long term consensus estimates based on a selection of brokers which includes: Barclays, BMO Capital, Bank of America Merrill Lynch, Canaccord, Citi, Credit Suisse, Deutsche Bank, Dundee, HSBC, Investec, Jefferies, JP Morgan, Macquarie, Morgan Stanley, National Bank, Raymond James, RBC, Scotia Bank, TD Securities and UBS.

Our metallurgical coal operations



H1 FY19 EBITDA contribution



Positioned to benefit from recovery in Illawarra Metallurgical Coal production and Eagle Downs development option

Illawarra Metallurgical Coal

Operating margin (Illawarra Metallurgical Coal)



Illawarra Metallurgical Coal

- Appin and Dendrobium longwalls performed strongly in the nine months ended March 2019
- Targeting production of 6.5Mt in FY19 and 7Mt in FY20
- Focussed on achieving a substantial uplift in development rates at Appin to sustain two longwalls in parallel from H2 FY20
- Dendrobium next domain project progressed to feasibility

Eagle Downs Metallurgical Coal development project

- 50% interest and operatorship
- 1.1Bt^(a) Coal Resource in the Bowen Basin, Queensland
- Fully permitted, partially developed mine
- Review of existing development plan completed in H1 FY19
- Final investment decision scheduled for the December 2020
 half year

New zinc supply required due to depletion of existing resources



Hermosa has lowest inducement cost of identified greenfield zinc-lead projects

Zinc cash cost curve (induced CY27) (US\$/t net of credits)



Source: London Metal Exchange

Source: Wood Mackenzie

Notes:

a. Long term consensus estimates based on a selection of brokers which includes: Barclays, BMO Capital, Bank of America Merrill Lynch, Canaccord, Citi, Credit Suisse, Deutsche Bank, Dundee, HSBC, Investec, Jefferies, JP Morgan, Macquarie, Morgan Stanley, National Bank, Raymond James, RBC, Renaissance Capital, Scotia Bank, SMBC, TD Securities and UBS.



Base metals operations

Expect to grow our base

metals exposure over time with Hermosa development

option and exploration partnerships



H1 FY19 EBITDA contribution



Operating margin (Cannington)



Operating margin (Cerro Matoso)



Cannington

 Studying options to bring the open pit life extension project forward, utilising spare capacity in the mill

Cerro Matoso

- Further improvement in plant utilisation to partially offset the expected decline in grade
- Brownfield exploration ongoing to identify additional higher grade mineralisation

Hermosa development option

- Progressing studies, exploration drilling and infrastructure build
- On track to declare a Mineral Resource in accordance with the JORC Code^(a) during June 2019
- Regional exploration targets identified for future drilling

Notes:

Further reshape and improve our portfolio





Notes:

Manganese ore sold to alloy operations on internal commercial terms.

b. ROIC represents the weighted three year average of return on invested capital from FY16 to FY18. Operating margin represents the weighted three year average of Operating margin from FY16 to FY18.

Our exploration footprint







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