

20 March 2012

Company Announcements Office ASX Limited 20 Bridge Street SYDNEY NSW 2000

Dear Sir/Madam

#### CENTAURUS METALS LIMITED (ASX CODE: CTM) CORPORATE PRESENTATION

Please find attached the latest investor presentation which will be delivered at the Mines and Money Conference in Hong Kong on 22 March 2012 and the Casimir Capital Australian Resources Conference in New York next week on Monday 26 March 2012.

Yours faithfully, CENTAURUS METALS LIMITED

Darren Gordon Managing Director

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#### Darren Gordon, Managing Director



#### **Centaurus:** Powering towards production

Emerging iron ore producer in Brazil 2Mtpa domestic production by end 2013 1-2Mtpa export business by end 2014

**March 2012 Investor Presentation** 

#### Disclaimer



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- The information in this report that relates to Exploration Results and Mineral Resources is based on information compiled by Roger Fitzhardinge who is a Member of the Australasia Institute of Mining and Metallurgy and Volodymyr Myadzel who is a Member of Australian Institute of Geoscientists. Roger Fitzhardinge is a permanent employee of Centaurus Metals Limited and Volodymyr Myadzel is the Senior Resource Geologist of BNA Consultoria e Sistemas Limited, independent resource consultants engaged by Centaurus Metals. Roger Fitzhardinge and Volodymyr Myadzel have sufficient experience which is relevant to the style of mineralization and type of deposit under consideration and to the activity which they are undertaking to qualify as a Competent Person as defined in the 2004 Edition of the 'Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserve'. Roger Fitzhardinge and Volodymyr Myadzel consent to the inclusion in the report of the matters based on their information in the form and context in which it appears.
- The information in this report that relates to Ore Reserves is based on information compiled by Beck Nader who is a professional Mining Engineer and a Member of Australian Institute of Geoscientists. Beck Nader is the Managing Director of BNA Consultoria e Sistemas Ltda and is a consultant to Centaurus. Beck Nader has sufficient experience, which is relevant to the style of mineralization and type of deposit under consideration and to the activity, which he is undertaking to qualify as a Competent Person as defined in the 2004 Edition of the 'Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserve'. Beck Nader consents to the inclusion in the report of the matters based on their information in the form and context in which it appears.

#### Overview

- Building a long-term iron ore business in SE Brazil
- Developing low capital/operating cost mines
- Leveraging off existing Road & Port infrastructure
- Phase 1 production domestic supply to Brazilian steel mills:
  - Jambreiro Project (Minas Gerais) = 2Mtpa by end 2013
  - Meet growing domestic demand for iron ore
- Phase 2 production export to global markets:
  - Serra da Lontra (Bahia) = 1-2Mtpa by end 2014
  - Existing road, port facilities at Ilhéus
- High-grade, consistent quality product
- Experienced in-country management and technical team
- Supportive strategic shareholder Atlas Iron (19.9%)



#### The Low Capex Path to Iron Ore Production







### Brazil – Latin America's Economic Powerhouse

World economic ranking:	8 <sup>th</sup>
<ul> <li>Ranking in Latin America:</li> </ul>	1 <sup>st</sup>
• GDP growth (2011)	2.7%
<ul> <li>GDP growth forecast (2012):</li> </ul>	4.5%
Population:	~205M
<ul> <li>Foreign Direct Investment (2011):</li> </ul>	US\$67B
Iron ore production:	>300Mtpa
<ul> <li>Steel production:</li> </ul>	~40Mtpa

By 2050, the Brazilian population is expected to increase to 260M and the economy is forecast to be one of the world's Top Five, making it a highly attractive destination for foreign investment. *(Source: Goldman Sachs)* 

Sources: Brazilian Central Bank, CIA – The World Factbook, Bloomberg



#### **Brazilian Iron Ore Market**

- Large domestic market for iron ore consumption in close proximity to iron ore mines (unlike Australia)
- Domestic iron ore consumption to rise by 32% by 2021
- Major steel companies, with steel mills within a 150km radius of Centaurus Metals' projects have significant domestic production







### Project Hubs – The Epicentre of Brazil's Economy

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# Centaurus Metals' Projects







### Itabirite Ore...A Major Source of Iron Production in Brazil



- Metamorphosed iron formation composed of iron oxides with abundant quartz
- Iron Quadrangle itabirites typically comprise hematite
- Lower mine grade than other sources of hematite (averaging 30-50% Fe)
- Extremely well suited to low cost beneficiation
- Can be upgraded to 63-68% Fe via simple and low cost beneficiation
- High-quality final hematite product with low contaminants



### Jambreiro – Overview



BRAZIL

Minas Gerais

**Belo Horizonte** 

Large City

Town

Airport

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Centaurus Project (Fe)

**Centaurus Project (Mn)** 

Major Iron Ore Mine

#### Jambreiro – Overview



- Cornerstone of domestic iron ore business
- Located 130km from key steel-making region of Ipatinga (Usiminas, Arcelor Mittal)
- Feasibility Study underway due Q3 2012
- Targeting production of 2Mtpa @ 66% Fe by Q4 2013, growing to 3Mtpa
- Aiming to be consistent and reliable supplier of high-quality, low impurity iron ore to domestic steel mills
- Permitting underway ahead of project financing
- Substantial growth potential with more drilling



### Jambreiro – Key Project Economics (November 2011 PFS)



Operating costs:	A\$19.9/tonne
• EBITDA:	A\$858 million
Annual operating cash flows	A\$101 million
<ul> <li>Post-tax NPV:</li> </ul>	A\$289 million
• IRR:	53%
<ul> <li>Pre-production capital:</li> </ul>	A\$132 million
Assumed sales price:	US\$73/tonne





#### Jambreiro – Plant Layout and Process Design







### Jambreiro – Capital and Operating Costs

Total (A\$ M)

20.9

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A\$66/t of annual production capacity Main processing is WHIMS circuit	
Capex and Opex benefits from highly friable	

- Capex and Opex benefits from highly friable, naturally liberated, iron ore
- Key Opex inputs:
  - Power: A\$0.09 per Kw/h
  - Diesel: A\$1.06/litre

OPERATING CASH COST	19.9
Contingency	1.6
Administration	1.4
Sizing, Screening & Beneficiation	8.8
Mining (Including Equipment Leasing)	8.1
Operating Costs	A\$ per Tonne Product
TOTAL CAPEX	131.6
Contingency	11.8
Detailed Engineering & Construction Management	8.1
TOTAL DIRECT CAPEX	111.7
Commissioning, Spares & First Fill	6.1
Site Infrastructure & Support Services	15.0
Power Supply	5.1
Water Supply	6.8
Tails Management & Water Recovery	9.4
Product Handling	10.0
Beneficiation	38.4

**Capital Equipment** 

Sizing & Screening

**DIRECT COSTS** 

# Jambreiro – Product Quality



	PRODUCT QUALITY	Fe%	SiO <sub>2</sub> %	Al <sub>2</sub> O <sub>3</sub> %	Р%	Mass Recovery %
	PROCESS – WET MAGNETIC S	EPARA	ΓΙΟΝ			
_						
	FRIABLE ORE					
	Head Grade	28.2	51.1	5.0	0.04	
	Beneficiated Product	66.6	2.8	0.7	0.02	37
	COMPACT MINERALISATION					
	Head Grade	25.0	55.9	2.2	0.07	
	Beneficiated Product	66.2	3.7	0.9	0.01	35



#### Timeline – Jambreiro Development



#### **Project Hubs**





#### Serra da Lontra Iron Ore Project





#### Serra da Lontra Iron Ore Project

- 140km by sealed road from export port of Ilheus and proposed development of Porto Sul
- Provides opportunity to start a relatively low capex export business at 1-2 Mtpa
- Exploration Target = 30-50 Mt @ 35 to 45% Fe
- Potential to produce 15-25 Mt of high grade hematite
- Estimate costs to port US\$50 per tonne of concentrate
- Bahia State Government very supportive of CTM and strong desire to build iron ore industry in Bahia
- Maiden drilling program underway
- Ongoing assessment of new project opportunities



#### Serra da Lontra Iron Ore Project



BRAZIL Bahia

- Mapping and sampling has shown a higher grade nature of itabirite mineralisation at Serra da Lontra
- Average surface grade 45-47% Fe

### **Company Structure**



Capital Structure		Centaurus Metals Board
Shares on Issue	133.5m	Didier Murcia
Options	16.6m	Darren Gordon
Share Price	\$0.55	Peter Freund
Market Capitalisation	\$73.4m	Keith McKay
Cash at bank (28 Feb '12)	\$17.2m	Richard Hill
Debt	NIL	Mark Hancock
Enterprise Value	\$56.2m	George Jones AM

Centaurus Metals Board	
Didier Murcia	Non-Executive Chairman
Darren Gordon	Managing Director
Peter Freund	<b>Operations Director</b>
Keith McKay	Non-Executive Director
Richard Hill	Non-Executive Director
Mark Hancock	Non-Executive Director
George Jones AM	Strategic Consultant

#### Shareholding

\*\* Strategic Shareholder – Atlas Iron Ltd is an Australian iron ore exploring and producing company listed on the ASX (ASX code: AGO), currently producing at a rate of 6Mtpa. Since listing in 2004 Atlas has grown rapidly and is now a member of the S&P/ASX100 index. Atlas employs over 450 persons, has a market capitalisation of circa \$3.0 billion, cash reserves of A\$380 million (31 December 2011) and no debt.

Atlas Iron Ltd\*\* --- 19.9% Directors & Management --- 8% Other Shareholders --- 72.1%

#### **Centaurus Key Personnel**





Geoff James – CFO & Company Secretary

Klaus Petersen – Chief Geologist – New Projects

Alexandro de Moura – GM – Operations

Bruno Scarpelli – GM – Environmental & OH&S

**Roger Fitzhardinge –** GM – Exploration & Evaluation

Luiz Carlos Noronha Jr. – Legal Counsel & Administrator

Antonio Celso Pereira – GM – Logistics



 Strong Management team predominantly based in the Belo Horizonte office experienced in developing Brazilian resource projects

#### Summary



- Domestic production strategy on track BFS underway on Jambreiro Project
- Targeting maiden production by Q4 of 2013
- Export strategy gathering momentum maiden drilling program underway at Serra da Lontra
- Ability to leverage off existing common-user port infrastructure
- Highly experienced team with strong global experience in the financing, development and operation of iron ore projects
- Supportive major shareholder experienced in delivery of low capex iron ore projects

Centaurus Metals is one of the few ASX listed companies providing direct exposure to the rapid development in Brazil



#### **Centaurus**: Powering towards production

Darren Gordon, Managing Director





#### CONTACT DETAILS:

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### Jambreiro – Price Sensitivities

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#### • NPV Sensitivity Analysis



2 Mtpa		Case				Post Tax – NPV (A\$M)				
Variable	-20%	-10%	Base	+10%	+20%	-20%	-10%	Base	+10%	+20%
Price (FOB Mine) USD/dmt	58	66	73	80	88	185.6	237.1	288.7	340.2	391.7
Capital Expenditure (\$M)	158	145	132	118	105	270.1	279.4	288.7	297.9	307.2
Direct Operating Expenditure (\$M/dmt)	23.8	21.8	19.9	17.9	15.9	261.0	274.8	288.7	302.5	316.4
Foreign Exchange Rate R\$/AUD	1.98	1.82	1.65	1.49	1.32	241.3	262.8	288.7	320.3	359.8
Discount Rate %	10	9	8	7	6	252.9	270.1	288.7	308.6	330.0

#### Jambreiro – Resources



#### • Mineral Resources

Prospect	JORC Category	Million Tonnes	Fe %	SiO <sub>2</sub> %	Al <sub>2</sub> O <sub>3</sub> %	Р%	LOI %
Friable	Measured	12.1	28.6	51.2	4.6	0.03	1.7
	Indicated	39.9	27.9	51.1	5.3	0.04	2.2
	Measured + Indicated	52.1	28.0	51.1	5.1	0.04	2.1
	Inferred	15.0	24.9	55.2	5.3	0.04	2.1
	TOTAL	67.0	27.3	52.0	5.1	0.04	2.1
Compact	Measured	1.4	27.4	48.8	2.8	0.05	1.6
	Indicated	18.6	26.6	50.2	3.0	0.06	1.2
	Measured + Indicated	20.0	26.6	50.1	3.0	0.05	1.3
	Inferred	29.5	25.7	51.9	4.0	0.05	1.3
	TOTAL	49.5	26.1	51.1	3.6	0.05	1.3
	TOTAL	116.5	26.8	51.6	4.5	0.04	1.7



Cut-off 20% Fe Resources include Reserves

#### • Ore Reserves

Prospect	JORC Category	Million Tonnes	Fe %	SiO <sub>2</sub> %	Al <sub>2</sub> O <sub>3</sub> %	Р%	LOI %
Jambreiro Friable	Proven	12.0	28.6	51.2	4.5	0.03	1.7
	Probable	37.0	28.0	51.0	5.2	0.04	2.2
	TOTAL	49.0	28.2	51.1	5.0	0.04	2.1
						Cut	-off 20% Fe



#### • Reserve Summary by Deposit

JORC Category	Million Tonnes	Fe %	SiO <sub>2</sub> %	Al <sub>2</sub> O <sub>3</sub> %	P %	LOI %
Proven	12.0	28.6	51.2	4.5	0.03	1.7
Probable	25.7	27.8	51.7	4.9	0.04	1.9
TOTAL	37.7	28.0	51.6	4.8	0.04	1.9
Proven	-	-	-	-	-	-
Probable	4.5	31.0	49.1	3.9	0.04	1.8
TOTAL	4.5	31.0	49.1	3.9	0.04	1.8
Proven	-	-	-	-	-	-
Probable	6.8	27.1	49.5	7.4	0.04	3.3
TOTAL	6.8	27.1	49.5	7.4	0.04	3.3
Proven	12.0	28.6	51.2	4.5	0.03	1.7
Probable	37.0	28.0	51.0	5.2	0.04	2.2
TOTAL	49.0	28.2	51.1	5.0	0.04	2.1
Proven	12.0	28.6	51.2	4.5	0.03	1.7
Probable	37.0	28.0	51.0	5.2	0.04	2.2
TOTAL	49.0	28.2	51.1	5.0	0.04	2.1
	Proven Probable TOTAL Proven Probable TOTAL Proven Probable <b>TOTAL</b> Probable TOTAL Probable Proven Probable	Proven12.0Probable25.7TOTAL37.7Proven-Probable4.5TOTAL4.5Proven-Probable6.8TOTAL6.8Proven12.0Probable37.0TOTAL49.0Proven12.0Proven12.0Proven12.0Probable37.0Probable37.0Probable37.0Probable37.0	Proven         12.0         28.6           Probable         25.7         27.8           TOTAL         37.7         28.0           Proven         -         -           Probable         4.5         31.0           TOTAL         4.5         31.0           Proven         -         -           Probable         6.8         27.1           Probable         6.8         27.1           Proven         -         -           Probable         6.8         27.1           Proven         12.0         28.6           Proven         12.0         28.6           Probable         37.0         28.0           Probable         37.0         28.0           Proven         12.0         28.6           Proven         12.0         28.6           Probable         37.0         28.0	Proven         12.0         28.6         51.2           Probable         25.7         27.8         51.7           TOTAL         37.7         28.0         51.6           Proven         -         -         -           Probable         4.5         31.0         49.1           TOTAL         4.5         31.0         49.1           Probable         4.5         31.0         49.1           Proven         -         -         -           Probable         6.8         27.1         49.5           TOTAL         6.8         27.1         49.5           Probable         37.0         28.0         51.2           Probable         37.0         28.0         51.0           Probable         37.0         28.0         51.0           Probable         37.0         28.6         51.2           Probable         37.0         28.6         51.2           Probable         37.0         28.0         51.0           Probable         37.0         28.0         51.0	Proven         12.0         28.6         51.2         4.5           Probable         25.7         27.8         51.7         4.9           TOTAL         37.7         28.0         51.6         4.8           Proven         -         -         -         -           Probable         4.5         31.0         49.1         3.9           TOTAL         4.5         31.0         49.1         3.9           TOTAL         4.5         31.0         49.1         3.9           Probable         4.5         31.0         49.1         3.9           Proven         -         -         -         -           Proven         -         -         -         -           Probable         6.8         27.1         49.5         7.4           TOTAL         6.8         27.1         49.5         7.4           Proven         12.0         28.6         51.2         4.5           Probable         37.0         28.0         51.1         5.0           Proven         12.0         28.6         51.2         4.5           Probable         37.0         28.0         51.0         5.2     <	Proven12.028.651.24.50.03Probable25.727.851.74.90.04TOTAL37.728.051.64.80.04ProvenProbable4.531.049.13.90.04TOTAL4.531.049.13.90.04ProvenProbable6.827.149.57.40.04Probable6.827.149.57.40.04Probable6.827.149.57.40.04Probable37.028.651.24.50.03Probable37.028.051.05.20.04Proven12.028.651.24.50.03Probable37.028.051.24.50.03Probable37.028.051.24.50.03Probable37.028.051.24.50.03Probable37.028.051.24.50.03Probable37.028.051.05.20.04

Cut-off 20% Fe

#### Jambreiro Iron Ore Project



#### • Resource Summary by Deposit

Prospect	JORC Category	Million Tonnes	Fe %	SiO <sub>2</sub> %	Al <sub>2</sub> O <sub>3</sub> %	Р%	LOI %
Tigre	Measured	13.5	28.4	51.0	4.4	0.04	1.7
(Including South	Indicated	44.3	27.1	51.3	4.1	0.04	1.6
East Extension)	Measured + Indicated	57.8	27.4	51.2	4.2	0.04	1.7
	Inferred	27.9	25.6	52.1	3.8	0.05	1.1
	TOTAL	85.7	26.8	51.5	4.1	0.05	1.5
Cruzeiro	Measured						
	Indicated	6.3	30.8	48.6	4.0	0.04	1.8
	Measured + Indicated	6.3	30.8	48.6	4.0	0.04	1.8
	Inferred	2.3	29.4	45.2	6.2	0.06	2.8
	TOTAL	8.6	30.5	47.7	4.6	0.04	2.1
Galo	Measured						
	Indicated	7.9	26.6	49.8	7.5	0.04	3.4
	Measured + Indicated	7.9	26.6	49.8	7.5	0.04	3.4
	Inferred	7.6	25.1	52.5	6.3	0.04	2.9
	TOTAL	15.5	25.9	51.1	6.9	0.04	3.2
Coelho	Inferred	6.7	23.8	59.6	4.3	0.03	1.5
	TOTAL	6.7	23.8	59.6	4.3	0.03	1.5
Jambreiro Total	Measured	13.5	28.4	51.0	4.4	0.04	1.7
	Indicated	58.5	27.5	50.8	4.5	0.04	1.9
	Measured + Indicated	72.1	27.6	50.8	4.5	0.04	1.9
	Inferred	44.5	25.4	53.0	4.4	0.05	1.6
	TOTAL	116.5	26.8	51.6	4.5	0.04	1.7

*Cut-off 20% Fe Resources include Reserves*