

# crusader

### **Corporate Presentation – March 2015**



ASX:CAS

www.crusaderresources.com





#### Disclaimer

The information provided in this presentation is of a general nature only. Although it has been prepared in good faith with all due care there can be no guarantee that it will continue to be accurate in the future. No one should act or rely upon the information but should undertake their own independent due diligence or seek appropriate professional advice. To the extent permitted by law Crusader Resources Limited ("Crusader") excludes all liability from any statement in, or omission from, this presentation. Nothing in this presentation should be construed as either an offer to sell or a solicitation of an offer to buy or sell Crusader securities in any jurisdiction.

#### **Forward Looking Statements**

This presentation may contain certain forward looking statements and projections regarding:

estimated resources and reserves;

planned production and operating costs profiles;

planned capital requirements; and

planned strategies and corporate objectives.

Such forward looking statements/projections are estimates for discussion purposes only and should not be relied upon. They are not guarantees of future performance and involve known and unknown risks, uncertainties and other factors, many of which are beyond the control of Crusader. The forward looking statements/projections are inherently uncertain and may therefore differ materially from results ultimately achieved.

Crusader does not make any representations and provides no warranties concerning the accuracy of the projections, and disclaims any obligation to update or revise any forward looking statements/projections based on new information, future events or otherwise except to the extent required by applicable laws.

#### **Competent Person Statement**

The information in this report that relates to Juruena Gold Project exploration results, Posse Iron Ore Project exploration results and Borborema Gold Project exploration results released after 1 December 2013, is based on information compiled or reviewed by Mr Robert Smakman who is a full time employee of the company and is a Fellow of the Australasian Institute of Mining and Metallurgy, and has sufficient experience that is relevant to the type of mineralisation and type of deposits under consideration 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. Mr Smakman consents to the inclusion in the report of the matters based on his information in the form and context in which it appears.

The information in this report that relates to:

- Borborema Gold Project and Posse Iron Ore Project Exploration Results released prior to 1 December 2013 is based on information compiled or reviewed by Mr Robert Smakman who is a full time employee of the company;
- b) Borborema Gold Mineral Resources is based on information compiled by Mr Lauritz Barnes and

Mr Brett Gossage, independent consultants to the company;

- c) Borborema Gold Ore Reserves is based on information compiled by Mr Linton Kirk, independent consultant to the company;
- d) Posse Fe Mineral Resources is based on and accurately reflects, information compiled by Mr Bernardo Viana who is a full time employee of Coffey Mining Pty Ltd,

and who are all Members of the Australasian Institute of Mining and Metallurgy (Rob Smakman and Linton Kirk being Fellows), and who all have sufficient experience that is relevant to the type of mineralisation 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 Reserves. Each of Mr Smakman, Mr Lauritz Barnes, Mr Kirk, Mr Viana and Mr Brett Gossage consent to the inclusion in the report of the matters based on their information in the form and context in which it appears.

This information was prepared and disclosed under the JORC Code 2004. It has not been updated since to comply with JORC Code 2012 on the basis that the information has not materially changed since it was last reported..

# A Brazilian Mining Company



Utilising strong local relationships to acquire and develop mineral assets in Brazil. Solid cash flow from Posse Iron and exciting high-grade gold potential.





Capital Structure (ASX : CAS)	As at 13 March 2015
Share Price	\$0.225
Ordinary Shares (ASX:CAS)	140.9 M
Options <sup>1</sup>	36 M
Market Capitalisation	\$32 M
Cash at Bank (31 Dec 2014)	\$3.4 M
Debt	\$5.0 M

Major Shareholders	As at 13 March 2015	
CAS Directors	24%	
IFC	10%	
Strong Institutional Representation		

Non – Executive Director	John Evans		
Experienced Director & Chartered Accountant. Over 15 years in private sector finance executive roles, including listed Companies. Currently Principal of a Business Broking & Corporate Advisory Practice. Chairman of Crusader's Audit & Remuneration Committees.			

#### **Board Of Directors**

Chairman	Stephen Copulos		
+ 30 years' experience in business & investments in a wide range of industries, and over 14 years' experience as a company Director for both listed and unlisted companies. Major shareholder of CAS for many years. Aligned to improving shareholder returns.			
Managing Director	Robert Smakman		
Highly experienced Geologist & Manager with over 20 years' Australian & international experience. Founding member of Crusader & has played integral part in moulding company into its present shape. Rob is based in Brazil (+ 8 yrs) and fluent in Portuguese. Fellow - AusIMM.			
Executive Director	Paul Stephen		
+20 years' experience in Financial services & Australian equity markets, specialising in Capital Management & Corporate Structuring. Paul is a founding member of Crusader Resources Ltd. and holds a number of non-executive roles in the finance and resources sectors.			
Non-Executive Director	David Netherway		
Australian Mining Engineer with over 35 years' experience in mining industry & has held senior management positions at a number of mining companies. David is also Chairman, as well as non-executive Director of several listed mining companies.			
Non-Executive Director	Mauricio Ferreira		
More than 35 years in resources/ energy sectors. Highly educated and experienced manager. Ex Vale executive. Has been involved in the exploration and development of three Brazilian gold projects. Mauricio is a Brazilian national.			
Non – Executive Director	John Evans		
Experienced Director & Chartered Accountant. Over 15 years in private sector finance executive roles, including listed Companies.			

# **Board & Management**



crusader





#### 

Brazilian Mining Engineer with over 25 years' experience in mining, project development, mineral processing and accident analysis. Mauro has completed an MBA Business Management and a post graduate qualification in Systems Analysis.

CFO & Company Secretary

Management

Andrew has over 15 years' corporate accounting & management experience across a range of industries and has held executive positions with other ASX listed companies in the resources sector. He has a Bachelor of Commerce degree & is a member of CPA Aus.

### **Operational Expertise**





### crusader

Andrew Beigel



#### Section 1

### Posse Iron Ore Mine





Posse Mine Performance	12 months to 31 Dec 13	12 months to 31 Dec 14 (unaudited)
Sales Revenue*	9.5 M	16.9 M
Gross Profit	4.5 M	6.2 M

\*Sales are net of all taxes and royalties. Mine production commenced March 2013



Iron Ore Annual Sales\*



\*Net of all taxes and royalties

### Posse Iron – Overview





- ↗ 100% Crusader
- Heart of Brazilian iron industry
- ↗ High value product mix
- Producing three products:
  - Coarse lump -(+19mm -32mm)
  - Fine lump -(+6.35mm -19mm)
  - Fines -(-6.35mm)

### **Close to Infrastructure & Customers**



### crusader

### Growth



- New geological model being developed based on results of recent drilling
  - Re-estimation of the tonnages available in the pit will allow a more accurate forecast of total mineral inventory
- Tertiary crusher installed increased production rates for hematitinha
- MOU signed with Valemix for fines processing Testwork underway





#### Section 2

### Crusader Gold



### **Crusader Gold**





#### Juruena Gold Project

- **7** Recent acquisition
- Potential for high-grade, lowCapex projects
- Exciting advanced exploration program commenced
- Significant historical drilling approx. 30,000m

#### **Borborema Gold Project**

- **7** 1.61 Moz Au in Reserve
- **7** 85,000m drilled
- **↗** Low cost mining environment
- **7** Optimisation underway

### Juruena – The Golden Opportunity





crusader

### **Alta Floresta Gold Province**

#### Alta Floresta Gold Belt

- Extensive mineralised belt ~400km east-west
- 2 key Targets
  - Juruena
  - 500koz historical production with a 20,000 strong garimpeiro workforce at the peak during the 1980's
  - 6 confirmed zones of mineralisation

- ~7Moz produced 1979-1997
- Novo Astro
- 4km wide circular soil anomaly
- Never been drilled



crusader

### **Overview of Juruena**



- Large land package ~ 447km<sup>2</sup> including two large gold targets
- Significant historical artisanal mining limited to a depth of <30m</p>
- Novo Astro is a 4km wide circular soil anomaly that has never been drill tested



# crusader

### Juruena Footprint

- Near-surface, high-grade gold mineralisation identified at Querosene and Dona Maria
- Juruena gold soil anomaly is 'giant', >8km long & 4km wide >50ppb
  - Size and style similar to Boddington (WA) and Las Cristinas (Venezuela)
  - Multi-element geochemistry completed on sampling, refined targeting using Cu, Ag, Bi, Mo, Fe trace elements
- Mineralisation at Juruena is structurally controlled and regional mapping has identified multiple untested controlling structures



### **Juruena Targets**





### Six Mineralised Zones Discovered to Date

- Two very high-grade zones: Querosene & Dona Maria
- Mineralisation structurally controlled
- Numerous structural targets remain untested



Crentes – 5.8m @ 52g/t Au

Dona Maria - 6m @ 52g/t Au

### **Highest Priority: Querosene**



- Querosene is a priority near-surface, high- grade target
- Mineralisation characterised by multiple narrow, alteration halos below a nonmineralised dolerite dyke, which forms a barrier between target mineralisation and garimpeiro historical workings
- Historical drilling at Querosene has indicated a higher tenor of mineralisation relative to other known gold deposits in the region (20 intercepts at >50gramme-metre recorded in region)
- ✓ Veins remain open to the south beyond best intercept of 4m @ 32.5g/t
- **Recent highlights:** 
  - 8m @ 6.2 g/t Au from 80m in QR-20
  - 2m @ 17.62 g/t Au from 84m in QR-21
  - 3m @ 26.35 g/t Au from 73m in hole QR-03/2014
    including 0.5m @ 150.57 g/t Au from 73m
  - 2m @ 12.11 g/t Au from 52m in hole QR-07/2014

### **Querosene - Drill Plan**





### **Querosene - Long Section**





### Novo Astro – Multi-million Ounce Potential

- Novo Astro is Crusader's second project area on the Alta Floresta gold belt, ~25km south east of Juruena
- Akm wide circular soil anomaly that has never been drilled
- Rock chip samples at Novo Astro returned 264 g/t Au and 101.7 g/t Au, (NR Sept 11, 2013)
- Alluvial gold mined for 40 years
- Regarded as an intrusive related gold target associated with granitic rocks
  - Geological model targeting the definition of a multi-million ounce gold deposit









Novo Astro – Never Drilled!





### **Borborema Gold**





### **Overview of Borborema**



- Large, wholly owned, open-pittable gold discovery by Crusader, 68.6mt @ 1.10g/t Au for 2.43Moz contained gold
- Low discovery cost of US\$9.50/oz provides significant leverage for Crusader shareholders to various value realisation options
- JORC reserve 42mt @ 1.20g/t released 2012 comprises 2 ore lens', shallow lens contains the bulk of the reserve (26mt @ 1.14g/t for 970koz)
- The development potential for the Borborema Gold Project has continued to benefit from the recent triple effects of:
  - Improving commodity price (USD gold price improved \$115 or 10% in January 2015).
  - Weakening currency (Brazilian Real (BRL) has dropped ~20% against the USD in line with the AUD, as a result, BRL gold price is approaching all-time highs)
  - Lower fuel costs (oil price drop of >50% over the last 6 months)
- Exploration potential remains with ore body open and grades increasing at depth



\* Gold price and exchange rates as at 15 March 2015

crusader

### Borborema

- Resource is based on >85,000m of RC and diamond drilling to a depth of 300m
  - Stage 1 drilled on a 25m x 25m spacing, >99% in proven/probable reserves
- **Favourable ore body geometry for a conventional shallow open pit mining operation**
- Conventional CIL process route achieves recoveries of ~95%
  - Investigating the potential to use flotation to reduce grind size and a smaller leach circuit with reduced tailing infrastructure



Note: Pit shell outlines are based on the 2012 Ore Reserve optimisations

### Infrastructure & Regulatory Advantages crusader

- All project locations are not created equal
  - Borborema has significant advantages over comparable grade projects
- High level of existing support infrastructure
  - Bitumen highway BR226, 140km from city (and port) of Natal to mine gate
  - Power lines traverse Crusader's tenements (expected power cost 7c/kWh)
  - 25km from mining town of Currais Novos
- Conducive regulatory environment
  - Sudene tax concessions<sup>1</sup> may be available overall tax rate of 15.25%
  - Low government mineral royalties<sup>2</sup> currently 1%
- Efficient logistics and power infrastructure significantly reduce project development and execution risk



<sup>1</sup>A federal government economic stimulus scheme, called Sudene, provides significant benefits for businesses operating in the north east of Brazil, including Rio Grande do Norte. The scheme was introduced to boost economic activity in a relatively impoverished area of Brazil. Company tax rates are reduced from 34% to 15.25% for a period of 10 years. Other benefits include reduction in the rates of taxes such as goods and services taxes, sales taxes and import duties.

<sup>2</sup>The current rate of government royalty is 1% of sales revenue. There is also a 0.5% royalty payable to the landowners. Note that Crusader owns a number of farms in the immediate area including the one that covers the central part of the ore body.

### Borborema – Next steps



- Development strategy focussed on shallow lens with a strip ratio of ~4:1
  - Significant capital and operating cost savings through reduced footprint and material movements
- Drilling commenced to support metallurgical optimisation test work
- Review of existing plants for sale in Brazil to reduce capital costs and shortened development timeframe
- Optimised development study expected to be completed early 2015



### **Crusader Resources – In Summary**



### **Posse is a high quality, strategic asset:**

- Strong cashflow generation
- High quality product, low cash costs
- Located in vicinity of our customers
- Cash flow helps fund other assets

### Our gold assets provide very strong upside potential:

- Juruena has exceptional high-grade potential
- Juruena is current focus of 8,000m drilling program 2 rigs
- Borborema is a significant option on the gold price

Demonstrated ability to source new projects in Brazil

Relatively low market cap

### **Contact Information**

### crusader

#### **Head Office**

Suite 1, Level 1

35 Havelock Street

West Perth WA 6005

Australia

**Tel**: +61 8 9320 7500

- **Fax:** +61 8 9320 7501
- Email: paul@crusaderresources.com

carey@crusaderresources.com

Web: www.crusaderresources.com



