

# **BAUXITE**RESOURCES LIMITED

**ANNUAL GENERAL MEETING 30 November 2012** 







### **Forward Looking Statements**

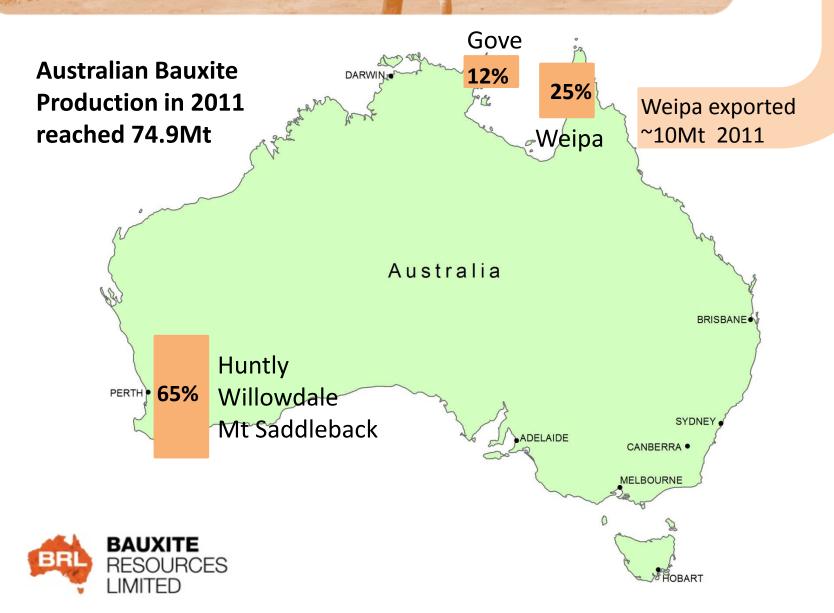
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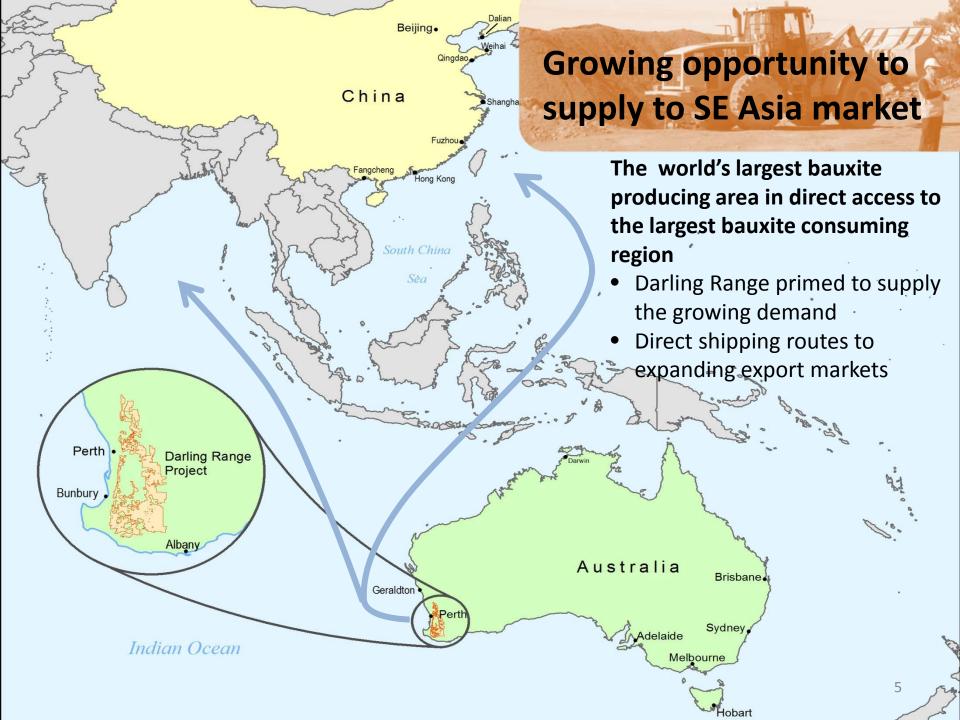
## Company snapshot



- Growing bauxite resource currently at 142.3Mt
- Focused in the Darling Range of WA world's largest bauxite producing region supplying 23% of global alumina
- Market opportunities for bauxite; Indonesia and India bauxite supply curtailed
- Established JVs for bauxite exploration and longer term alumina refinery development
- Bauxite potential as JV or BRL
- Other minerals prospects on BRL's 25,000km<sup>2</sup> tenements include prospectivity for gold/iron ore/coal

## Western Australian dominates Australian bauxite production

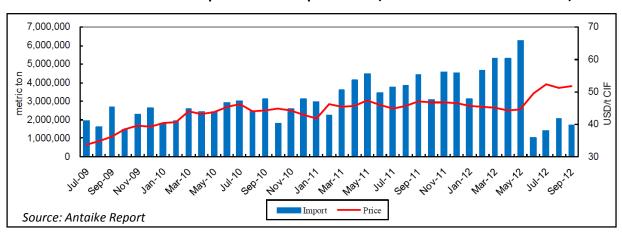




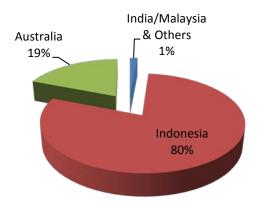
## Chinese bauxite imports – sources have changed



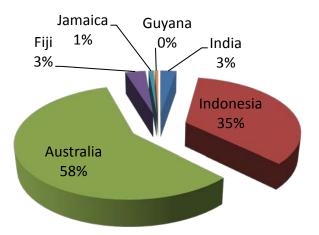
Chinese bauxite imports and prices (CIF to Chinese Port)



- 2011 China imported 49Mt bauxite
- May 2012 Indonesia restricts exports of bauxite



2011 Source of bauxite imports into China



Bauxite imports into China July-Sept 2012 post Indonesian supply issue

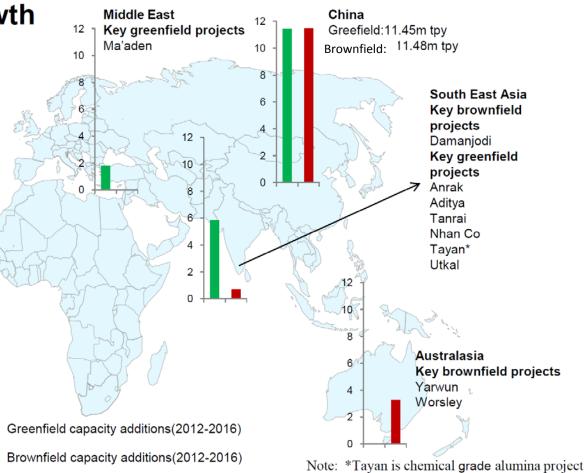
## Bauxite demand driven by emerging markets



China, and South East Asia will lead the global

alumina capacity growth

- Chinese bauxite supplies dwindling, refineries increasingly using lower grade feedstock
- Traditional alumina refinery areas Shandong and Henan increasingly reliant on imported bauxite



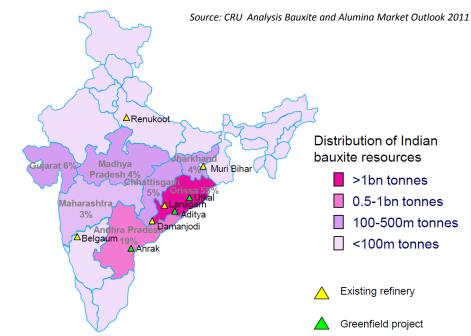
Source: CRU Bauxite and Alumina Market Outlook 2011 – Q2 2012

## Indonesia and India facing bauxite supply issues



- Indonesian minerals ore export ban has affected ~ 30% of refining capacity in China
  - Increased taxes on unprocessed mineral ore exports
- India's bauxite issues
  - Land acquisition for development
  - Environmental issues
  - Government seeking resource development rather than ore export

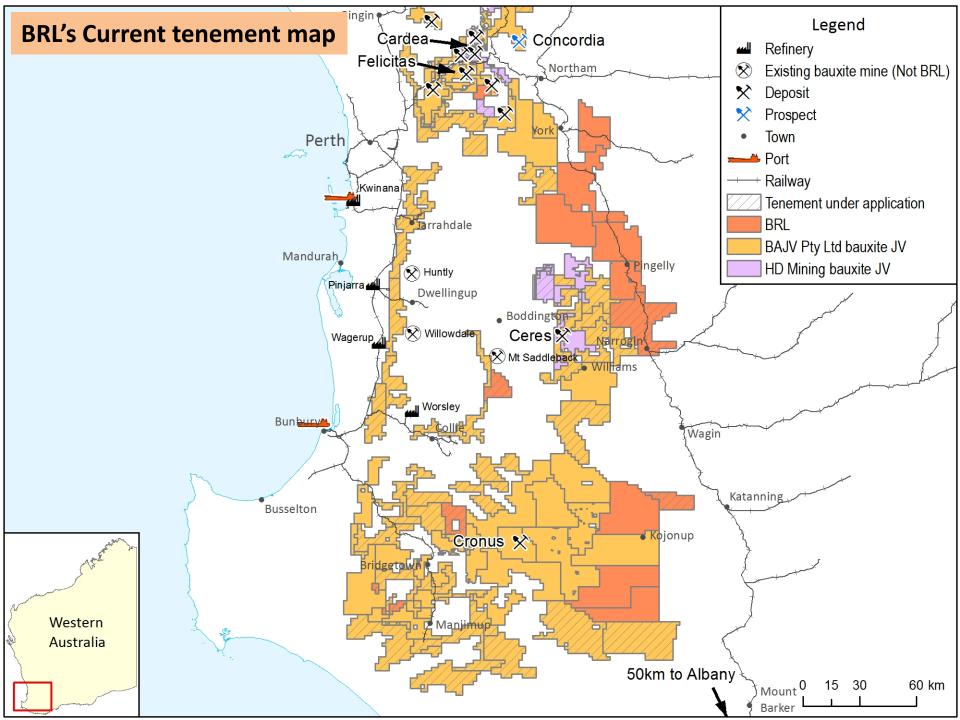
### Distribution of bauxite resources and refineries in India



## Established JV partners in bauxite/alumina

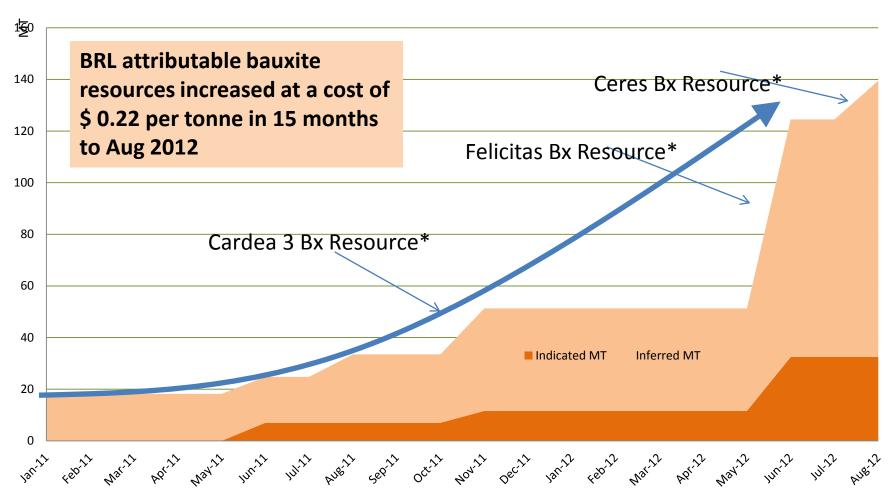


- Yankuang Resources Pty Ltd
  - Formation of BAJV to explore and mine bauxite and examine potential to build and operate alumina refinery
  - > YK pay 70% of exploration for 70% of bauxite rights
  - > YK to pay 90% of BFS costs for refinery
  - Current inferred and indicated bauxite resources of 113.6 M tonnes of bauxite
- HD Mining & Investment Ltd earning 60% upon commencement of mining in return for 100% of all expenditure to that point.
  - Current inferred resource of 28.7 M tonnes of bauxite



### Bauxite resource growth

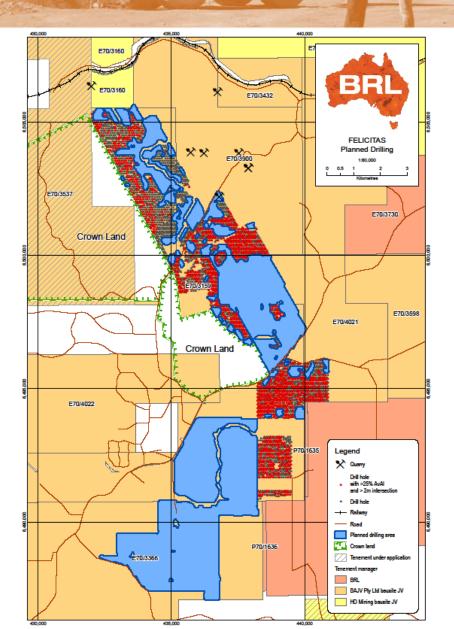




<sup>\*</sup>Cardea3(1), Felicitas(2) and Ceres(3) Resources @ 25% Al2O3 cog. Refer page 16 for ASX announcement details

### Felicitas project





- Near Wundowie
- Proximity to operating heavy duty rail and port
- Mostly cleared farmland
- Exploration agreements in place with farmers
- Surrounded by crown/forested land, existing quarries and farmland
- Minimal impact on significant roads to exploit deposit

### **Aurora Project advancing**



- North of Bindoon
- Trial mine completed at:
  - 49% total alumina,
  - 40% available alumina and
  - reactive silica averaging 2.3%
- Positive rehabilitation results
- Project approvals now advanced
  - > Environmental studies completed by end of 2012
  - ➤ Environmental studies to be submitted to Environmental Protection Agency (EPA) in 1st half 2013







## Darling Range bauxite beneficiation potential



### Test work shows grade improvements with simple beneficiation\*

Grade quality	% Improvement
Total AL <sub>2</sub> O <sub>3</sub> (%)	Increased by 5.5 - 7.5%
Av AL <sub>2</sub> O <sub>3</sub> (%) (148°C)	Increased by 4.9 - 11.2%
Re SiO <sub>2</sub> (%)	Reduced by 5.0 - 15.6%
Quartz (%)	Reduced by 30.0 - 51.6%
Organic Carbon	Reduced by 12.5 - 26.1%

<sup>\*</sup>Using 2mm & 4mm wet screen

## Potential for Other Minerals



- Gold, Coal & Iron Ore exploration targets identified
- Potential targets prioritised according to prospectivity
- Completion of rationalisation of tenement package to focus on areas identified as having most potential for bauxite and other minerals
- Strategy decisions on future development pending

# The Next 18 Months



- Felicitas extensional drilling by BAJV
- Environmental studies on Aurora project ready for submission to EPA in early 2013
- Other bauxite projects review 2013 (several development opportunities pending)
- Further beneficiation and ore characterisation test work
- Other minerals









#### **Competent Persons Statement**

#### Cardea 1&2, Cardea 3, Juturna, Vallonia, Minerva, Aurora, Rusina and Vallonia Mineral Resources

The information in this report that relates to Mineral Resources is based on information compiled by Peter Senini who is a Member of the Australian Institute of Geoscientists. Mr Senini is a part-time employee of the company. Mr Senini has sufficient experience which is relevant to the style of mineralisation and type of deposit under consideration and to the activity which he (or she) 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 Reserves'. Mr Senini consents to the inclusion in the report of the matters based on his (or her) information in the form and context in which it appears.

#### **Felicitas & Cronus Mineral Resource**

The information in this report that relates to Mineral Resources is based on information compiled by Graham de la Mare who is a Member of the Australian Institute of Geoscientists. Mr de la Mare is employed by Runge Limited. Mr de la Mare has sufficient experience which is relevant to the style of mineralisation and type of deposit under consideration and to the activity which he (or she) 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 Reserves'. Mr de la Mare consents to the inclusion in the report of the matters based on his (or her) information in the form and context in which it appears.

#### **Ceres Mineral Resource**

The information in this report that relates to Mineral Resources is based on information compiled by Mr Shane Fieldgate and reviewed by Mr Terry Parker from Snowden Mining Industry Consultants. Mr Parker is a registered chartered professional and Member of the Australian Institute of Mining and Metallurgy. Mr Parker has sufficient experience which is relevant to the style of mineralisation 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 Reserves'. Mr Parker consents to the inclusion in the report of the matters based on his (or her) information in the form and context in which it appears.

#### ASX Resource announcements:

29/10/2012 Sept 2012 Quarterly Report - New Cronus bauxite resources 2.8 million tonnes (Mt)

30/07/2012 New (Ceres) Bauxite Resource at Williams Project, 15 Mt

05/06/2012 New Bauxite Resource at Felicitas Resource, 73 Mt

02/11/2011 Maiden Resource at Cardea3, 17.8 Mt

22/08/2011 Cardea 1 & 2, 6.4 Mt, Minerva Resource 2.2 Mt

21/06/2011 Maiden Juturna Inferred Resource 8.2 Mt, Inferred Resource at Vallonia 1.5 Mt

02/05/2011 Resource Upgrade at Aurora Project, Indicated 7 Mt, Inferred 4.4 Mt, Rusina Resource 3.7 Mt

16/01/2009 Maiden Inferred Bauxite resource, 18.2 Mt