

### **Africa Down Under Presentation** September 2015



ASX: MAK | TSX: MAK

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The scientific and technical information in this document is based on, and fairly represents, information and supporting documentation prepared by Russell Fulton, who is the Geological Manager of the Company and a Member of the Australian Institute of Geoscientists, and who has reviewed and approved the scientific and technical information in this document. Mr Fulton has sufficient experience deemed 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 2012 Edition of the 'Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves' and a 'Qualified Person' as defined in National Instrument 43-101 – Standards of Disclosure for Mineral Projects. Mr Fulton consents to the inclusion in the report of the matters based on his information in the form and context in which it appears.

For further information on the Senegal Phosphate Project please refer to Minemakers' market announcements dated 11 May 2015 and 27 April 2015 ("Prior Announcements") and the NI43-101 technical report entitled "Technical Report Mineral Resource Estimation for the Gadde Bissik Phosphate Deposit, Republic of Senegal" dated 9 June, 2015 and available on SEDAR at <a href="www.sedar.com">www.sedar.com</a>. Minemakers is not aware of any new information or data that materially affects the information included in those Prior Announcements. For further information on Wonarah, please refer to Minemakers' NI43-101 technical report entitled "Technical Report Mineral Resource Estimation for the Wonarah Phosphate Project, Northern Territory, Australia", dated March 2013 and available on SEDAR at <a href="www.sedar.com">www.sedar.com</a> and to Minemakers' market announcement dated 30/04/2014.

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# Corporate Strategy



# To become a major contributor to the world nutrient market via the development of world class rock phosphate projects



### **Investment Thesis**



### **Baobab Rock Phosphate Project - Senegal**

- √ Potential near-term production and cash flow
  - Low capex; low opex; simple mining techniques; existing infrastructure
  - Significant exploration potential to expand resource
  - First production planned for 1H 2016
- ✓ **Strong fit** with Minemakers strategy to build a portfolio of high quality projects in the nutrient sector
- ✓ Ability to leverage significant existing Senegalese expertise and track record
- ✓ **Senegal IHP license** grows the future IHP offering to Atlantic basin and Pacific basin

### **Wonarah Phosphate Project - Australia**

✓ Long term opportunity to commercialise Wonarah project through IHP technology

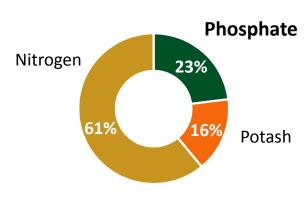
### Why Phosphate?



- Phosphate is a finite natural resource essential in the manufacture of fertilisers for crops and animal growth
- Global food production is forecast to double by 2050 due to population growth and increased per capita consumption
- Increased farming intensity required due to limited arable land = increased demand for phosphate based fertilisers

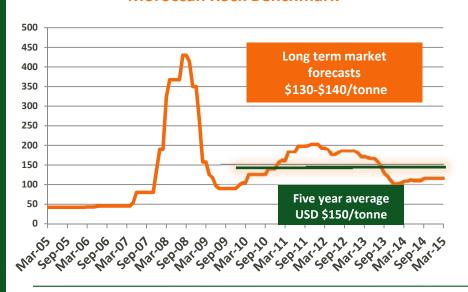


- Global fertiliser market expected to be worth US\$172 billion during 2015
- Long term price forecasts of US\$130/tonne
- Relative price stability versus other commodities

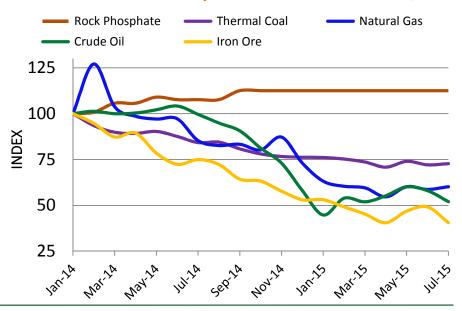


Typical makeup of manufactured fertiliser

### Rock Phosphate Price (USD/tonne) – Moroccan Rock Benchmark<sup>1</sup>



#### **Relative Commodity Price Performance – 2014/15<sup>2</sup>**

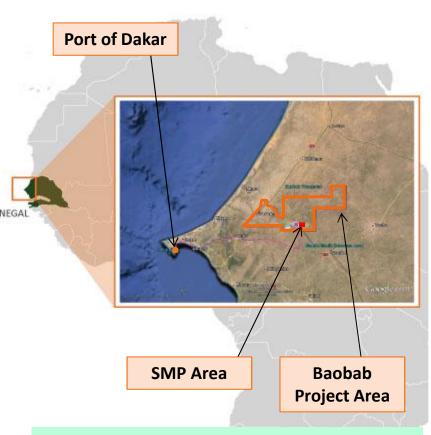


Source: <sup>1</sup> IndexMundi Source: <sup>2</sup> World Bank

# Baobab Project Highlights



- Single exploration permit area of 1,553km² hosting sedimentary rock phosphate mineralisation
- Circa A\$7 million spent on project to date by vendor
- Inferred Resource: 68 million tonnes @ 22% P<sub>2</sub>O<sub>5</sub>
   (at an 18% P<sub>2</sub>O<sub>5</sub> cut-off)
- Expected to be open pit, free dig unconsolidated sand
- Simple low-cost wet screening process to significantly upgrade product – confirmed by ongoing metallurgical test work
- Small Mine Permit (SMP) granted over 5km<sup>2</sup>, allowing for unlimited production from the Gadde Bissik prospect
- Targeting first production mid-2016



#### **Strategic Location**

- 145km East of the Port of Dakar
- Existing road network, 20km from a sealed national highway with upgrade due for completion in 2018
- MOU with Port of Dakar

### The Republic of Senegal



#### **Overview**

- One of Africa's most stable and successful democracies (IMF 2010)
   with a stable and investor friendly social and political environment
- Population of circa 13.5 million (2013 estimate)
- Substantial progress in combating poverty, improving social infrastructure and advancing its economic emergence (IMF)
- GDP of US\$14.7 billion (World Bank 2013)

#### Mining friendly location

- Established mining industry with phosphates as primary exports
- Mining code implemented in 2003, administered by Ministry of Mines
- State involvement constructive and transparent
- Good connected infrastructure and qualified workforce
- Several ASX and TSX companies are in successful development and operations in Senegal
- Effective Senegalese Chamber of Mines



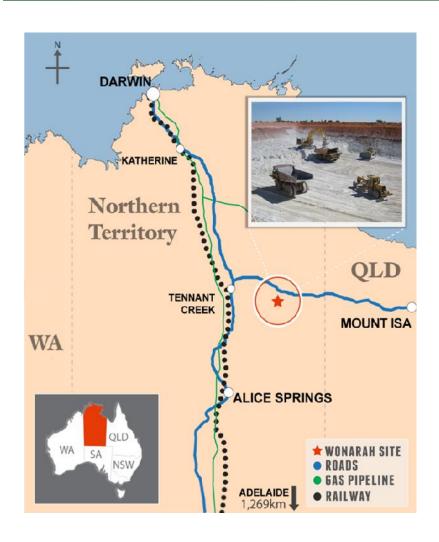
### Baobab Milestones: 2015-2016



Completed						
Resource Development	Complet	e ✓				
Mining Permit	Complet	e ✓				
Engineering	Complet	e ✓				
Shareholder Approval	<b>Complete</b> ✓					
Metallurgical Testwork	Ongoing ✓					
Environmental Impact Study	Awaiting final approval					
Community Relocation Agreement	Awaiting final approval					
Preliminary Economic Assessment	Being finalised					
	2015	2016				
Large Scale Bulk Sampling						
Earliest Potential Production						
Offtake Discussions						

### Wonarah Project – Northern Territory





- Project 100% owned by Minemakers
- One of Australia's largest JORC and NI43-101 compliant phosphate resource
  - Measured + Indicated Resource 300Mt @ 18.2% P<sub>2</sub>O<sub>5</sub> (10% cut-off)
  - Inferred Resource 542Mt @ 18.0% P<sub>2</sub>O<sub>5</sub> (10% cut-off)
- Excellent installed infrastructure including road, rail and gas pipeline
- All approvals in place, Mining licence approved

#### **Current Status**

- Development is subject to commercialisation of IHP, currently in development by JDCPhosphate
- Low holding costs allow project to be maintained until commercialisation is possible

### Downstream Technology



### **Improved Hard Process (IHP)**

- Advanced downstream process aimed at transforming low grade rock phosphate into high value superphosphoric acid (SPA) with
- Technology developed by Florida based JDCPhosphate Inc.
  - Minemakers owns 8.0% of JDCPhosphate
  - Minemakers has sole licence to use IHP in Australia, this will extend to Senegal
- Substantial cost benefits and environmental outcomes
- Significant benefits over traditional wet-acid process
- SPA is a key feedstock into commercial fertiliser market



JDCPhosphate IHP Demonstration Plant – Florida

### Summary



### √ Baobab Project is Minemakers' priority

- Provides the potential for near-term rock phosphate production and cash flow
- Strong fit with Minemakers strategy to build a portfolio of high quality projects in the nutrient sector
- Ability to leverage significant existing Senegalese expertise and track record

✓ IHP Technology provides potential to extract additional value via downstream processing

√ Wonarah Project remains a long-term opportunity pending commercialisation of IHP technology

### Corporate Snapshot



#### **KEY STATISTICS**

Ordinary snares on issue	247.5m
Share price (as at 1 September 2015)	A\$0.10
Market Capitalisation	A\$24.7m
Debt	Nil
Cash – 30 <sup>th</sup> June 2015 *	A\$15.4m

<sup>\*</sup> Excluding A\$1.2m due to be received from sale of South African assets

#### **ASSETS**



Baobab Phosphate

### Baobab Phosphate – 100% holding \*\*

- Located in Senegal
- Near-term production
- •Low capex, simple processing
- Minemakers' key focus



Wonarah Phosphate



#### Wonarah Phosphate – 100% holding

- Northern Territory, Australia
- Major phosphate resource
- Mining DFS completed in 2010
- Awaiting enabling technology

#### JDCPhosphate - c.8% holding

- Florida, USA
- Disruptive phosphate technology
- Demonstration plant completed
- Undergoing validation

#### STOCK EXCHANGE LISTINGS



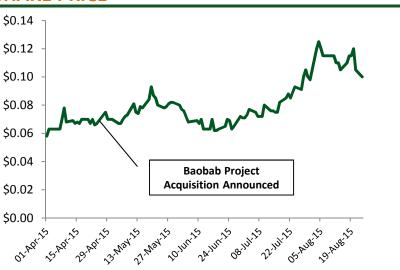


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#### SIGNIFICANT SHAREHOLDERS

Vulcan Phosphate 5.6% Laguna Bay Pastoral Company 4.6%

#### **SHARE PRICE**



<sup>\*\*</sup> Post Baobab Transaction completion



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## Appendix 1: Inferred Resource



- Maiden Inferred Mineral Resource of 68 million tonnes @ 22% P<sub>2</sub>O<sub>5</sub> at an 18% P<sub>2</sub>O<sub>5</sub> cut-off for the Gadde Bissik prospect, part of the wider Baobab Project
- Inferred Resource of 25 million tonnes @ 23% P<sub>2</sub>O<sub>5</sub> estimated within the Small Mine Permit area of 5Km<sup>2</sup> at Gadde Bissik East
- Exploration Target of 45-60 million tonnes @ 19-22% P<sub>2</sub>O<sub>5</sub> estimated for a broad area to the east and west of Gadde Bissik East. The potential quantity and grade of the Exploration Target is conceptual in nature. There has been insufficient exploration to estimate a Mineral Resource and it is uncertain if further exploration will result in estimation of a Mineral Resource.
- Phosphate mineralisation is 2-12 metres thick; 11-51 metres from surface
- Refer ASX Release 11 May 2015 for full disclosure

PROSPECT		CATEGORY	TONNES (million)	P <sub>2</sub> O <sub>5</sub> (%)	CaO (%)	MgO (%)	Al <sub>2</sub> O <sub>3</sub> (%)	Fe <sub>2</sub> O <sub>3</sub> (%)	SiO <sub>2</sub> (%)
Gadde Bissik East	Within SMP area	Inferred	25	23	31	0.10	2.0	3.1	38
	Outside SMP area	Inferred	40	21	29	0.14	2.4	3.9	39
	Combined	Inferred	65	22	30	0.12	2.2	3.6	39
Gadde Bissik West		Inferred	3	21	29	0.13	4.3	4.7	35
Total Gadde Bissik		Inferred	68	22	30	0.12	2.3	3.6	38