

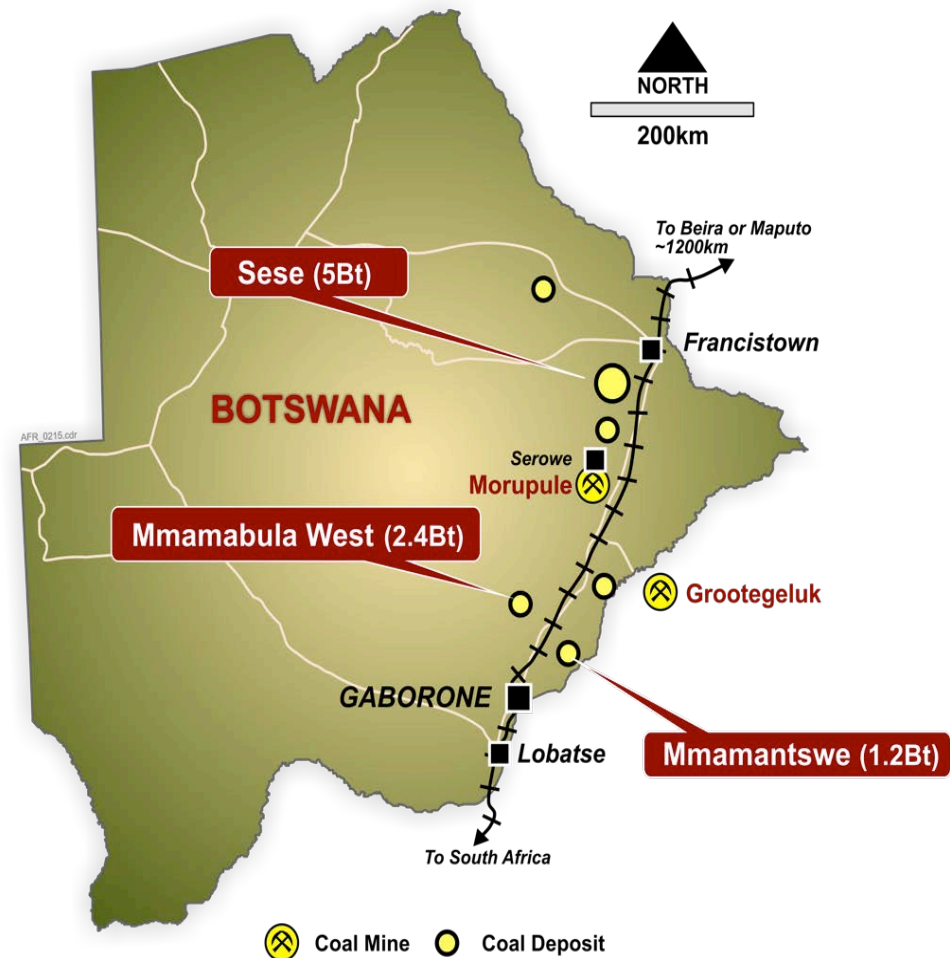


Developing Power Generation Projects in Southern Africa

July 2015

Summary

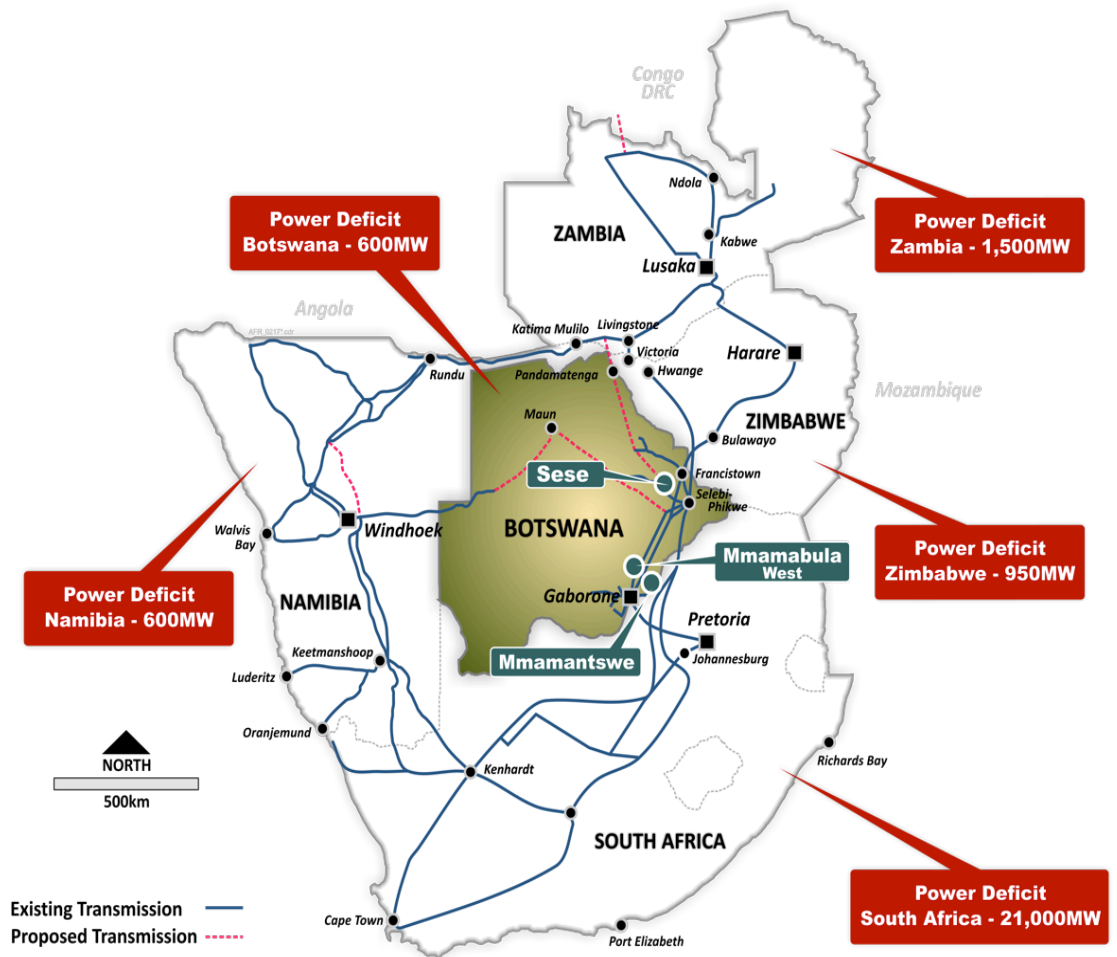
- AFR is participating in the development of three large-scale power projects in Botswana
- These are close to the existing transmission grid and centrally located within SADC
 - Sese JV (AFR 49%): First Quantum Minerals are evaluating the potential for development of a fully integrated mine and power station
 - Mmamantswe (AFR 100%): binding term sheet agreed to sell project for US \$20M subject to a tender bid being shortlisted
 - Mmamabula West (AFR 100%): seeking to create further value via development of integrated mine-mouth power station(s) +/- export coal mines



Regional Power Hub



- African Energy has substantial coal resources in Botswana
- Positioning the business to focus on regional power demand:
 - **Surrounded by robust demand for power:** every country in SADC is chronically short of reliable, affordable base-load power
 - **Regional hub:** AFR's projects are centrally located within the SAPP transmission grid
 - **Easy access to core infrastructure:** AFR's projects within close proximity to grid connection
 - **Stable business environment:** Botswana provides the most secure/stable fiscal and political setting in southern Africa



1. Robust market demand for affordable base-load power

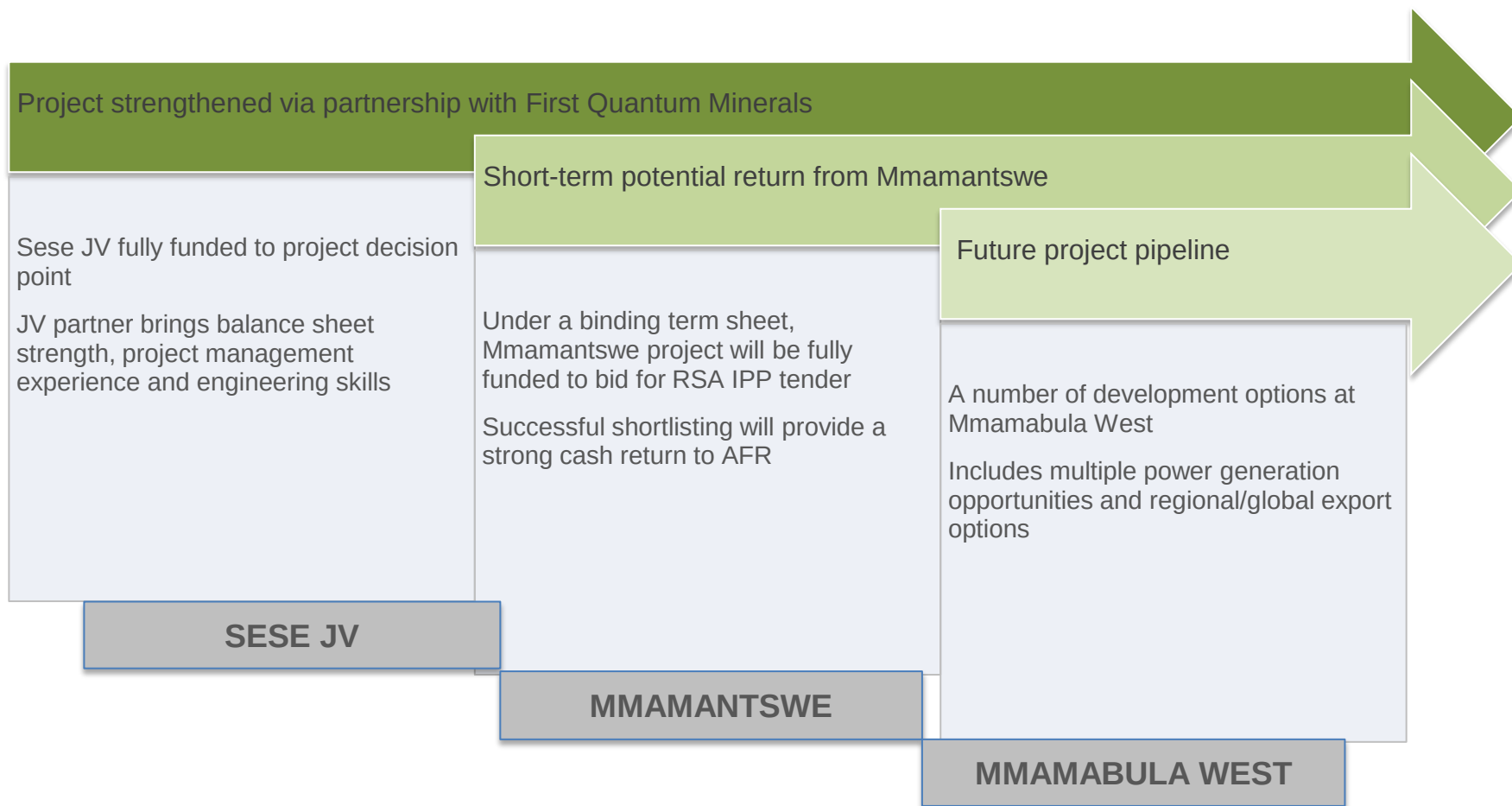
- Cost of new baseload generation >>\$0.10 per kWh across the region
- Utilities paying short term prices >\$0.15 per kWh for imported power
- Most utilities still reliant to some extent on diesel/HFO at >\$0.30 per kWh

2. Access to secure fuel source and low financing costs

- Ownership of fuel source reduces exposure to price risk
- Access to low cost coal via resource ownership minimises fuel costs
- Access to low cost finance allows competitive tariff offer whilst maintaining healthy equity returns

3. Competitive advantage for low-cost power producers

- Lowest fuel + finance costs a big advantage in securing long term power purchase agreements
- Few new base load projects able to offer competitive pricing at or below retail tariffs
- Opportunity for energy trading of surpluses if project finance structure allows



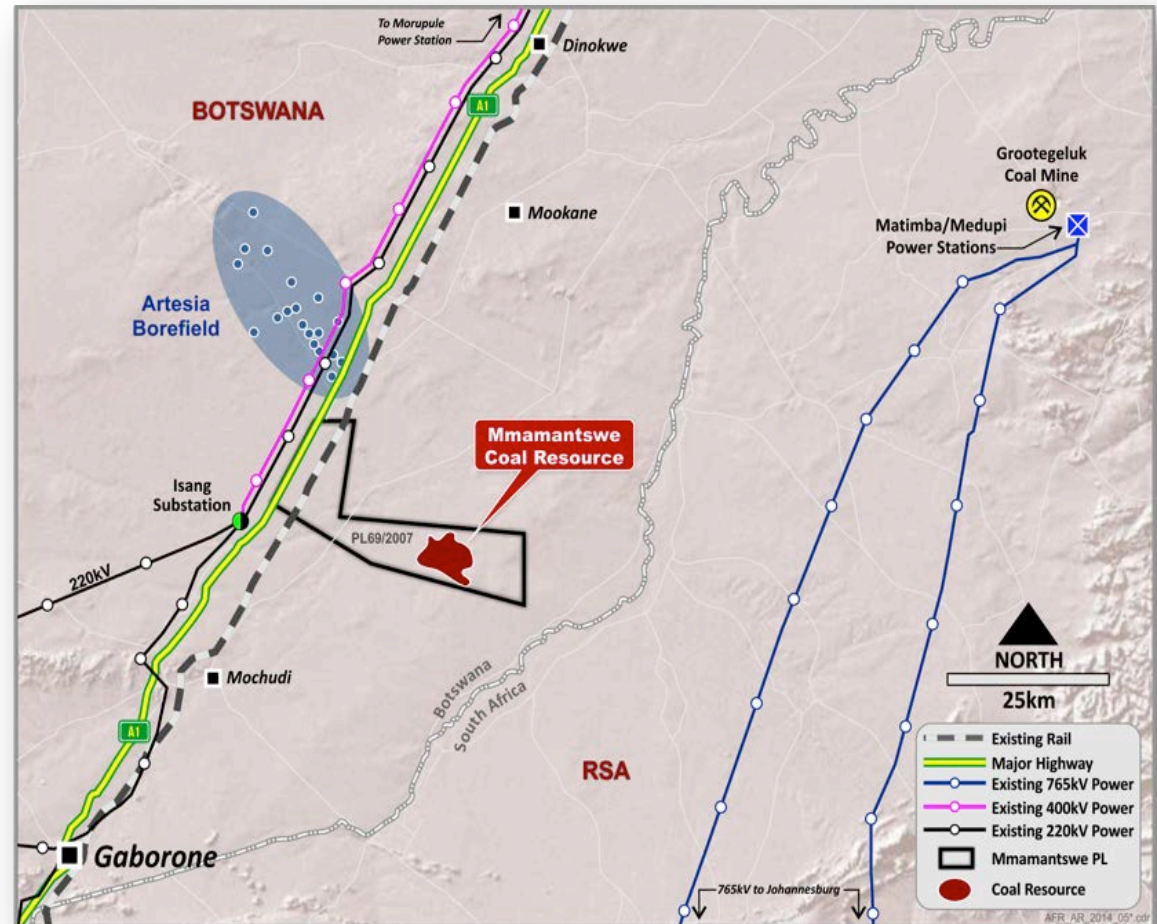
The Sese JV– Key Terms

- First Quantum Minerals Limited (FQM) have invested AUD \$8M in Sese to take a 51% project interest and are now the manager
- FQM increasing their interest to 75% by sole funding the next AUD \$12M in the joint venture
- This funding is being used to evaluate the development of a fully integrated mine and mine-mouth power station
- FQM are responsible for sourcing all additional funding beyond the initial \$20M investment, which would include that necessary to build an integrated power project (if approved)
- AFR's 25% share of this additional funding will be loaned to it by FQM, carried to commercial production, and is to be repaid from dividends



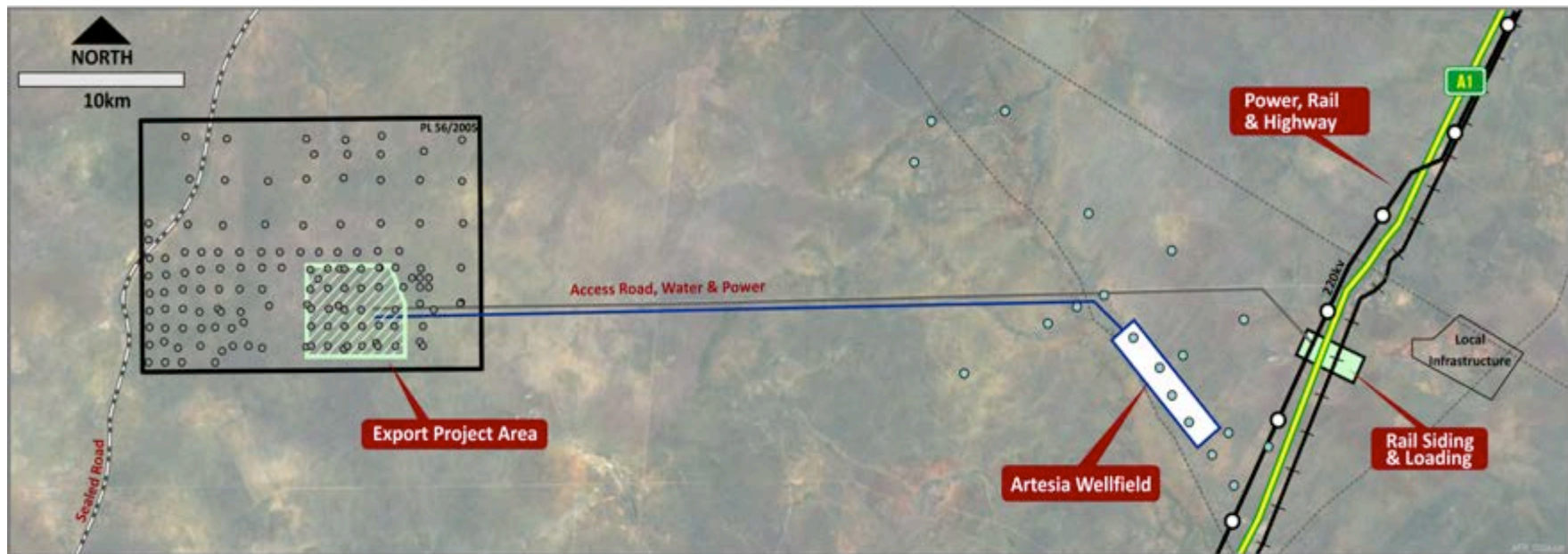
Mmamantswe – Sale Opportunity

- South Africa's Dept. of Energy seeking 600MW of cross-border, coal-fired baseload IPP via public tender
- Binding term sheet recently executed to sell the project to an experienced SA project developer who intends to submit a bid:
 - Qualifying criteria and the RFP documentation to be released later this year
 - Developer will form a bid consortium and will sole bid preparation and submission
 - AFR will be paid USD \$10M if bid is shortlisted, at which point project ownership will be transferred to the developer
 - AFR paid a further USD \$10M at financial close



Mmamabula West : Project Overview

- 2.47 billion tonnes in two main ~5m thick, 100-150m deep coal seams
- Seam geometry and coal quality provides multiple options for **power generation and/or export** of coal
- Prefeasibility study (March 2014) evaluated a 220Mt portion of A-Seam for a conventional underground mine and modular wash plant, capable of producing export quality coal and/or power station fuel
- AFR sole funding the permitting activities, currently discussing subsequent phases with potential development partners



Mmamabula West : Development Pathway



	Phase 1: Project permitting	Phase 2: Development of fully integrated power project	Phase 3: Construction of road, mine and power station	Phase 4: Operation of Integrated power project
Key activities	• Amend EIA to include power • Surface Rights • Water rights	• Infill drilling for reserve • Mine and power study BFS • Mining Licence application • Generation Licence application • Project financing close	• Access road + water pipeline • Grid connection • Mine + civils EPC contracts • Power station EPC contracts	• Power station O&M • Power station OEM support • Power sales/marketing
Partnership opportunities	• AFR managed and sole funded	• Lead Developer (may be AFR) • Co-developer(s) • OEM contractor input • O&M contractor input	• EPC contractor • OEM contractor • O&M contractor • Infrastructure EPC • Equity providers	• O&M contractor • OEM contractor • Mining contractor
Investment size for a 300MW project	<\$1M	\$10-15M	\$300M equity + \$600M debt	
Indicative Timeframe	6-9 months	12-18 months	27-36 months	~35 year operation

Summary - Project Pipeline



Sese JV

FQM evaluating an integrated mine and power project

FQM earning-in, AFR loan carried to production

Mmamantswe

Binding terms for a Share Sale Agreement in place

Potential \$20M short term return, conditional upon SA IPP bid shortlisting

Mmamabula

Multiple power projects and longer term coal export potential

AFR sole funding permitting. Partners being sought for development phases

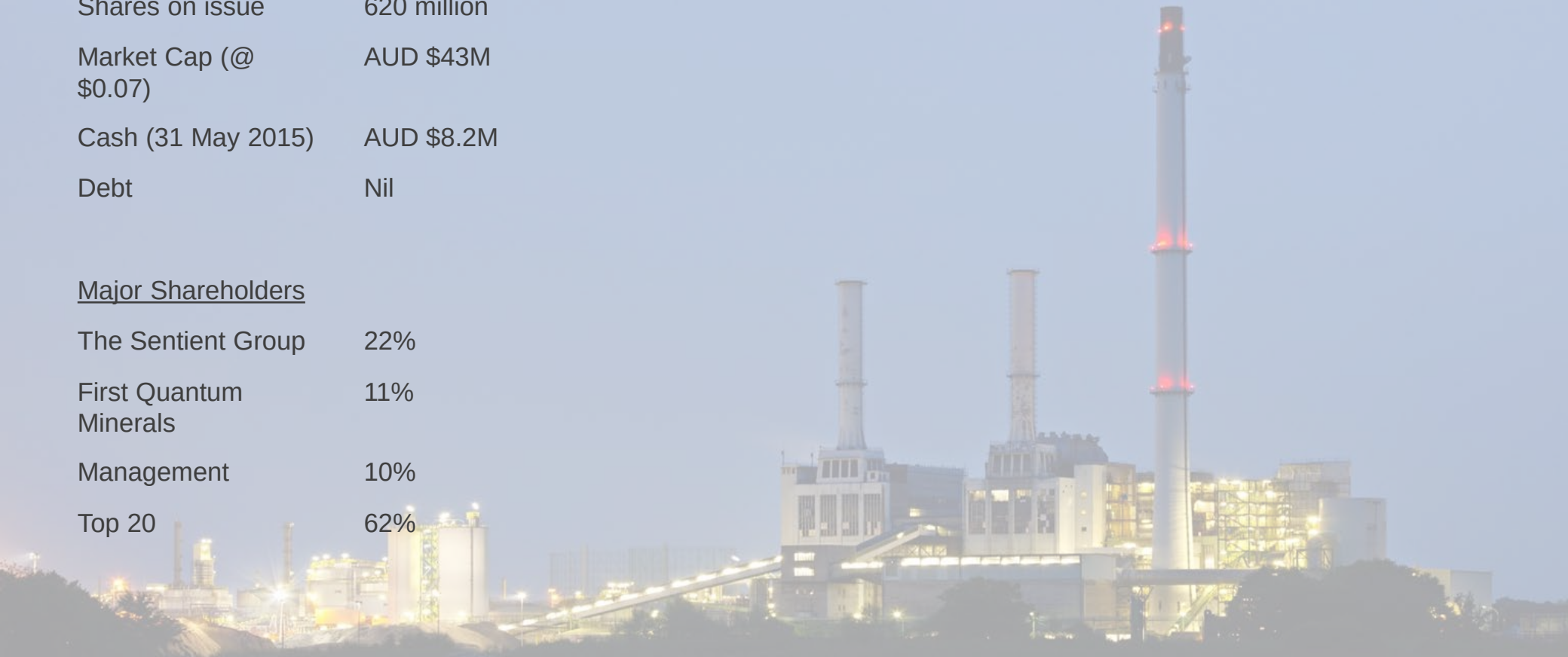
Corporate summary



<u>ASX Code</u>	AFR
Shares on issue	620 million
Market Cap (@ \$0.07)	AUD \$43M
Cash (31 May 2015)	AUD \$8.2M
Debt	Nil

Major Shareholders

The Sentient Group	22%
First Quantum Minerals	11%
Management	10%
Top 20	62%



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