TNG LIMITED

THE MOUNT PEAKE PROJECT Strategic Metals for the NT's future

7th Annual Mining the Territory Conference

September 2013

Paul Burton - Managing Director

Disclaimer

Forward-Looking Statements

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Competent Person's Statement

The information in this report that relates to Exploration Results and Exploration Targets is based on information compiled by Paul Burton who is a Member of The Australasian

Institute of Mining and Metallurgy and a Director of TNG Limited. Paul Burton has sufficient experience 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'. Paul Burton 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 2013 Mineral Resource Upgrade is based on and fairly represents, information and supporting documentation compiled by Lynn Olssen who is a Member of The Australasian Institute of Mining and Metallurgy and a full time employee of Snowden Mining Industry Consultants Pty Ltd. Lynn Olssen has sufficient experience relevant to the style of mineralisation and type of deposit under consideration and to the activity which she 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'. Lynn Olssen consents to the inclusion in the report of the matters based on his information in the form and context in which it appears

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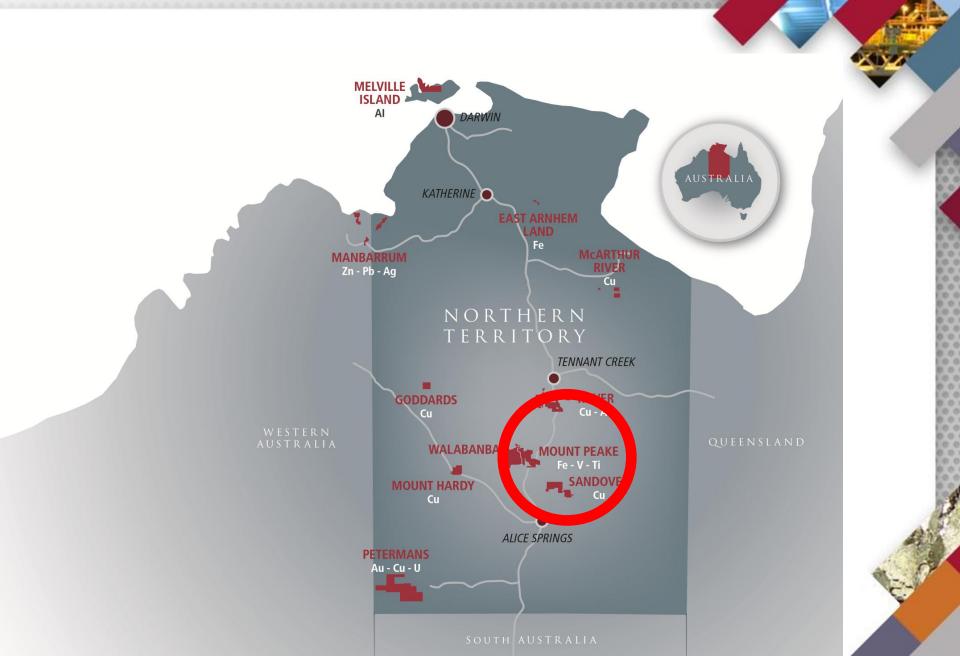
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The information in this report that relates to Mineral Resources included in the 2012 PFS and is based on information compiled by Lynn Olssen who is a Member of The Australasian Institute of Mining and Metallurgy and a full time employee of Snowden Mining Industry Consultants Pty Ltd. Lynn Olssen has sufficient experience 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'. Lynn Olssen consents to the inclusion in the report of the matters based on his information in the form and context in which it appears.

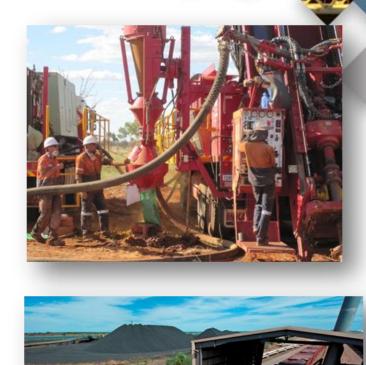
The information in this report that relates to Financial Analysis is based on information compiled by Jeremy Peters who is a Member of The Australasian Institute of Mining and Metallurgy and a full time employee of Snowden Mining Industry Consultants Pty Ltd. Jeremy Peters has sufficient experience relevant 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'. Jeremy Peters consents to the inclusion in the report of the matters based on his information in the form and context in which it appears.

Mr Damian Connelly, MAAusIMM, Chartered Processional (MET), tMMICA, MSME, MSAIMM was responsible for the preparation of the metallurgical test work results reported herein. Mr Connelly has sufficient experience 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 the Exploration Results, Mineral Resources and Ore Reserves. Mr Connelly consents to the inclusion in the report of the matters based on his information in the form and context in which is appears. Location





- ✓ 160Mt; 20 year LOM*
- ✓ \$13.6B LOM revenue*
- ✓ 100%-owned
- Close to road, rail and gas
- ✓ Direct rail access to Darwin Port
- ✓ Large, shallow JORC Measured resource
- ✓ PFS completed
- ✓ DFS commenced
- ✓ TIVAN Revolutionary hydrometallurgical process
- TNG targeting 3 high purity oxide metals
 *Supporting information in Appendix

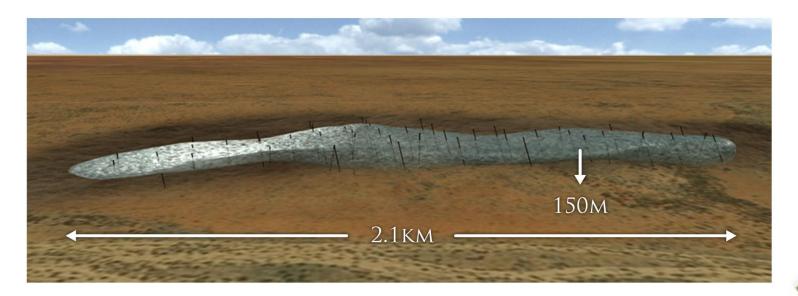


Resource: 2013 Upgrade

Shallow large-scale resource underpins long-life project (Resource update March 2013)

Category	Tonnes (Mt)	V ₂ O ₅ %	TiO ₂ %	Fe%	Al ₂ O ₃ %	SiO ₂ %
Measured	118	0.29	5.48	23.64	8.18	32.81
Indicated	20	0.28	5.33	22.05	9.09	33.98
Inferred	22	0.22	4.41	19.06	10.38	37.79
TOTAL	160	0.28	5.31	22.81	8.60	33.64

Ave Magnetite Concentrate:1.2%18%55%



TIVAN^R

Revolutionary process

- Patent (pending) hydrometallurgical process extracts high purity vanadium, titanium and iron
- ✓ 2012 PFS Pilot plant test work (refer ASX announcement 15/5/2012)
 - >99% V₂0₅ (+80% recovery)
 - 99.9% Fe₂0₃ (69.2% Fe) (80% recovery)
 - >55% Ti0₂ (+75% recovery)
- Final optimisation work well advanced
- ✓ Now Registered in over 12 countries







Vanadium Pentoxide – 99.6% Purity

Uses:

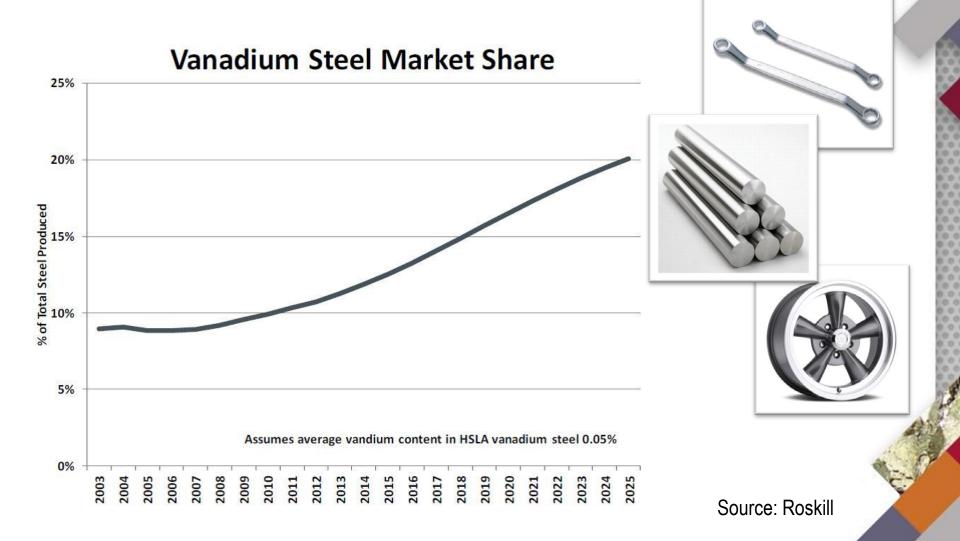
STEEL : Ferro-Vanadium FeV ; Corrosion resistant - (REBAR GRADE 3).
 ENERGY : Power, Energy and Nuclear applications

✓ **HIGH TECHNOLOGY**: Vanadium Pentoxide V2O5 – MULTIPLE NEW TECHNOLOGY USES

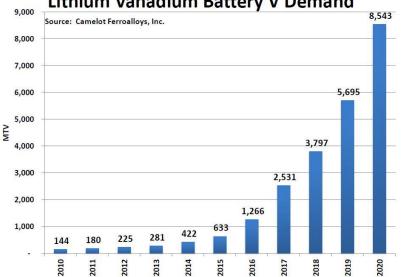


Critical Element for Steel

✓ An essential component in the development of high strength steels



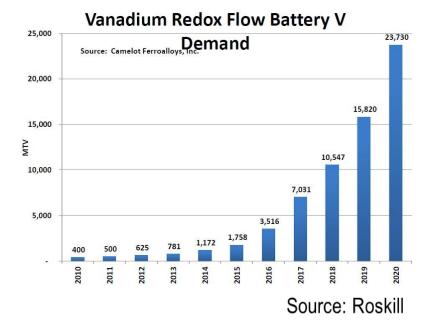
Critical Element for batteries



Lithium Vanadium Battery V Demand

The growth in demand for Vanadium is expected to grow rapidly:

- electric cars increases due to rising energy prices and CO2 **Reduction targets**
- Investment in power storage has increased



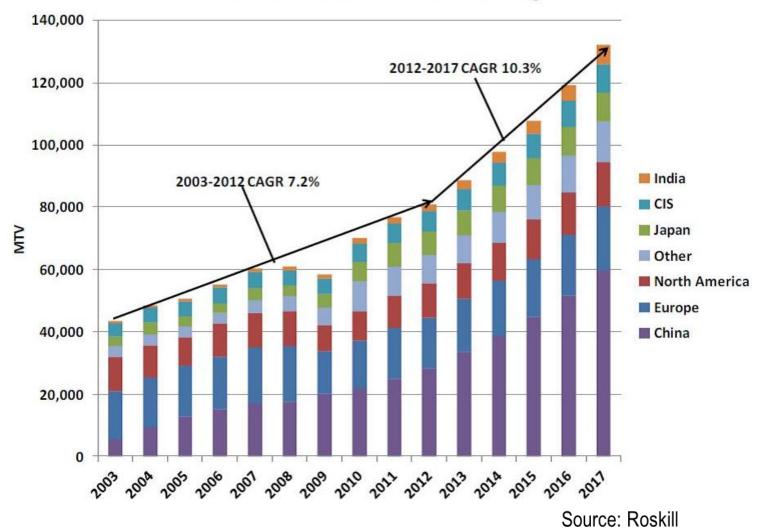






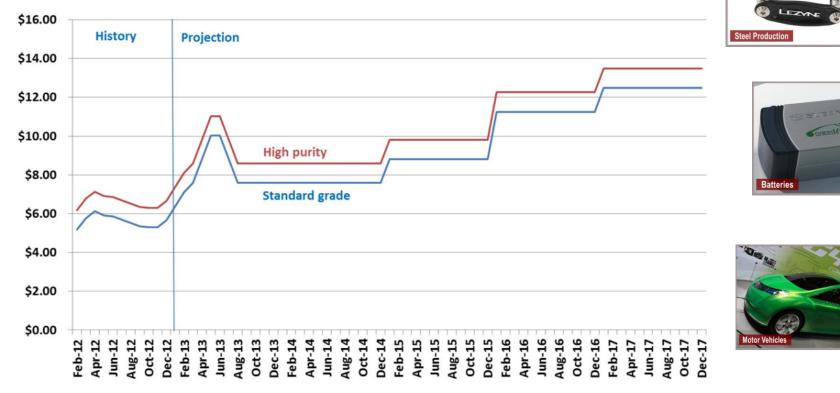
Growth forecast

Global Vanadium Consumption



Price forecast

Metal Bulletin V2O5 Monthly Average Price 2012-2013 Historical, 2013-2017 Projection



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Product 2

Titanium – 55% Ti02 (potential to upgrade to >90%)

Uses:

✓ LIGHTEST AND STRONGEST METAL
 ✓ HIGH TECHNOLOGY
 ✓ MEDICAL
 ✓ AEROSPACE

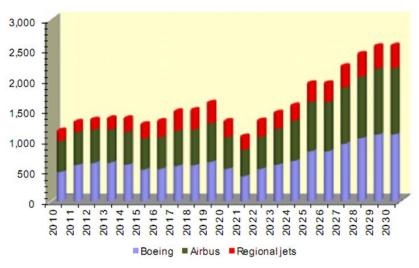






Growth forecast

Forecast deliveries of passenger jets by make, 2010 to 2030



Source: Airline Moniter

Titanium content per aircraft from 1960 to 2020



Source:VSMPO Avisma

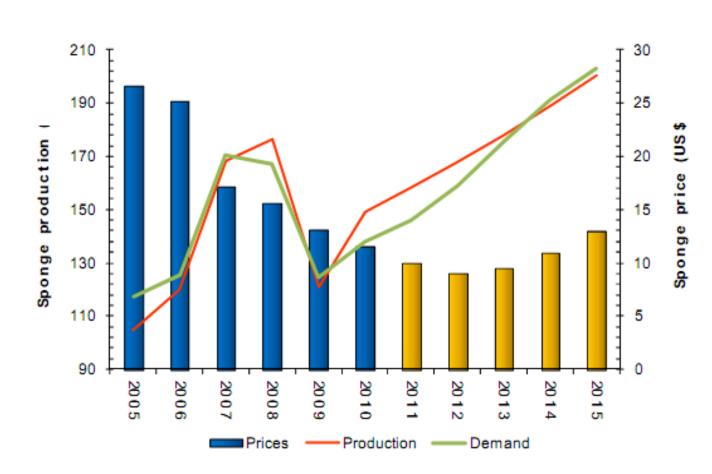
The demand for titanium will continue to grow:

- Titanium is an important component in passenger jet manufacturing
- titanium Is a key structural component
- Demand for aircraft continues to grow.



Price forecast

Titanium Production & Price Forecasts







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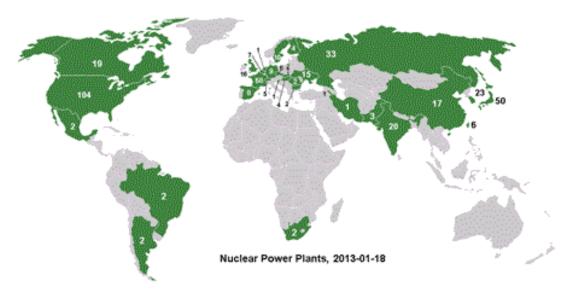


Source: Roskill

Energy Demands:

Titanium and Vanadium Future Energy Elements

A new nuclear power station - up to 400t of titanium
 31 countries: 437 nuclear power plant units are in operation
 IEA Forecast 60% increase to 2035 (I unit / 5 days)
 Vanadium usage in energy storage increasing rapidly
 Electric vehicles, batteries and Redox Flow storage cells





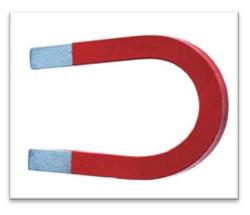
Product 3

High Purity Iron Oxide – 99.9%(69.2% Fe)

Uses:

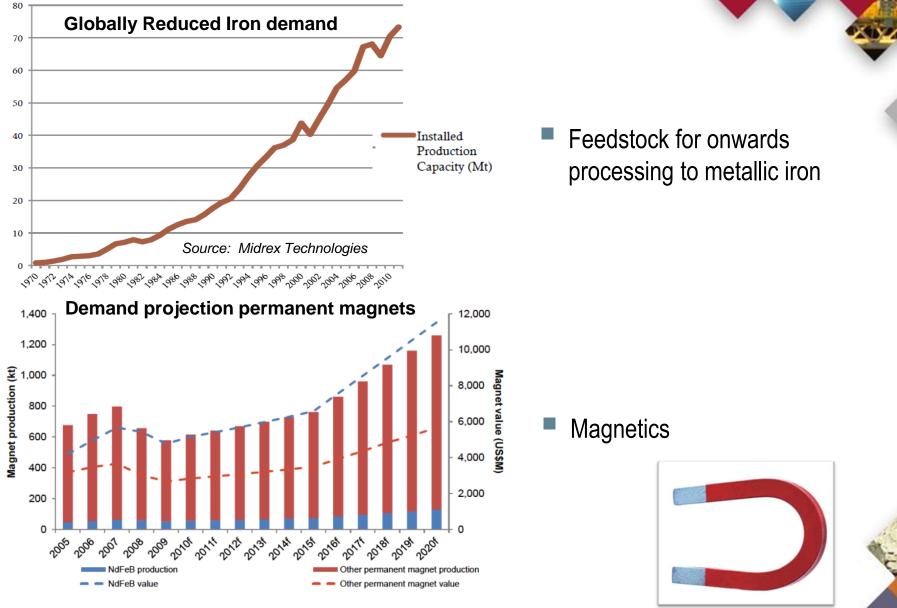
- Coatings and Pigments
- Chemicals and Food Additives
- Magnetics
- Feedstock for onwards processing to metallic iron
- Powder Metallurgy







Demand and price forecast



Source: Roskill

Pre-Feasibility Study Results: 2012

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*Supporting data in Appendix		
Refer ASX announcements 12/7/2012;13/02/2013 ** Source:		

Refer ASX announcements 09/092013

Total Metal Production	Tonnes
V ₂ O ₅	236,000
TiO ₂	5,822,000
Fe ₂ O ₃	17,400,000
Average Concentrate Grade	

V ₂ O ₅	1.2%
TiO ₂	18%
Fe	55%

Metal Purity	
V ₂ O ₅	99%
TiO ₂	55%
Fe ₂ O ₃	99.9%

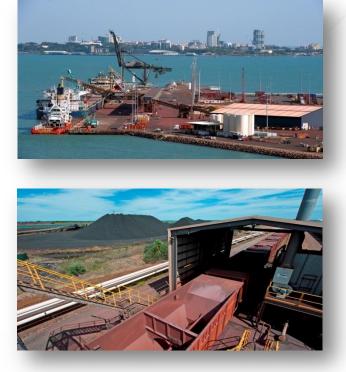
Project Development

TNG has outlined a clear development pathway, leveraging off its key relationships and alliances in China



The next steps

- Finalise processing plant commercialisation
- Complete Definitive Feasibility Study
- Complete Environmental Impact Statement
- Secure partner for EPCM
- Secure long-term sales contracts



Northern Territory Focused



Corporate Overview

Key Corporate and Financial Data

ASX code:	TNG
Market capitalisation: (at 5c)	\$20M
Shares on issue:	526M
Cash	\$5.2M

Major Shareholders

Ao-Zhong International Mineral Resources	13.15%
Aosu Investment & Development Co	12.63%
WWB Investments P/L	6.64%

(Directors hold approximately 17% of issued capital)

Board of Directors

Jianrong Xu	Chairman
Paul Burton	Managing Director
Michael Evans	Non-executive Director
Stuart Crow	Non-executive Director
Rex Turkington	Non-executive Director
Zhigang Wang	Non-executive Director

THE VISION:

to build a diversified Australian resources company focused on supplying key strategic metals to Chinese and worldmarkets from our extensive portfolio of mineral projects in the Northern Territory.

Appendix – Supporting Data

Mineral Resources and Exploration Targets:

The Pre-Feasibility Study (PFS) is based on the updated Indicated and Inferred Resource for Mount Peake published on 12 October 2011 of 160Mt @ 0.3% V2O5, 5% TiO2 and 23% Fe (Indicated 110Mt @ 0.29% V2O5, 5.3% TiO2 and 23% Fe; Inferred 48Mt @ 0.24% V2O5, 4.5% TiO2 and 21% Fe). The Pre-Feasibility assumptions the financial model is based on mining 75.9 Mt of the 160 Mt Mineral Resource Of this amount 20.4% is from the Inferred Mineral Resource category. There is a low level of geological confidence associated with Inferred Mineral Resources and there is no certainty that further exploration work will result in the determination of Indicated Mineral Resources or that the production target itself will be realised.

In addition to this resource, TNG has published an Exploration Target of 500-700Mt grading 0.2-0.4% V2O5 and 25-35% Fe. The potential quantity and grade is conceptual in nature, there has been insufficient exploration to define a Mineral Resource and that it is uncertain if further exploration will result in the determination of a Mineral Resource.

Pre-Feasibility Study:

Reference to the PFS is to the ASX announcement of July 2012, which was prepared based on the Company's presently delineated mineral resource estimate. Any investment decision should be considered based on this information. Full details of the Mount Peake Pre-Feasibility Study are available in the Company's ASX Announcements 9 July 2012. Mining is based on the PFS financial analysis which includes 21% of Inferred Resource material (there is a low level of geological confidence associated with Inferred Mineral Resources and there is no certainty further exploration work will result in the determination of Indicated Mineral Resources or that the production target itself will be realised).

Key assumptions of PFS include:

- Operating costs and pit slope angles related to mining estimated to a Pre-Feasibility Study level (±25%)
- V₂O₅ price of US\$20,305/tonne (> 90% grade)
- TiO₂ price of US\$400/tonne (> 55% grade)
- Fe₂O₃ price of US\$200/tonne (> 69% grade)
- Royalty rate of 2.5% per tonne of plant feed
- Discount rate of 8%
- AUD\$/US\$ exchange rate of 1 US\$ = 1AUD\$

Nett Annual Cash Flow:

Is defined as the average discounted cash flow per annum after all CAPEX (pre-strip CAPEX, initial CAPEX, and expansion CAPEX) has been deducted, but ignores cost or source of capital, hedging, tax, depreciation, rehabilitation and salvage.