

# MOUNT PEAKE, NORTHERN TERRITORY

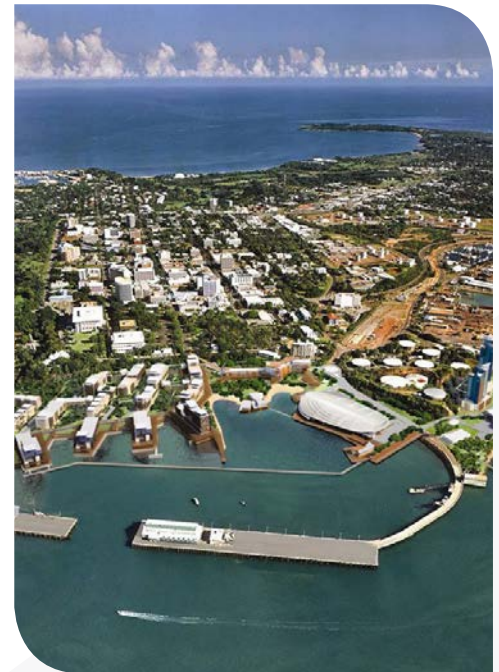
Mount Peake is a world class strategic metals asset, located in Australia's northern development hub. Rapidly moving towards development, TNG is in advanced financing discussions and has successfully signed three Life of Mine off-take agreements for its titanium oxide, pig iron and vanadium products.

## Project Highlights

- JORC compliant resource estimate of 160Mt @ 0.28% vanadium (V2O5), 5.3% titanium (TiO2) and 23% iron (Fe), 118Mt of which is a Measured Resource status.
- 100% TNG owned
- Located approx. 230km north of Alice Springs in Australia's Northern Territory
- Total production - 3.5Mt titanium pigment, 243,000t V2O5, and 10.6Mt Fe2O3
- Project Facilitation Agreement signed for proposed TIVAN® refinery site
- Definitive feasibility study completed in 2015, final approvals due Q1 2018
- Binding Heads of Agreement signed with SMS Group for design of TIVAN® refinery
- MOU in place for mine/refinery construction and operation
- Strategically located close to existing power and transport infrastructure

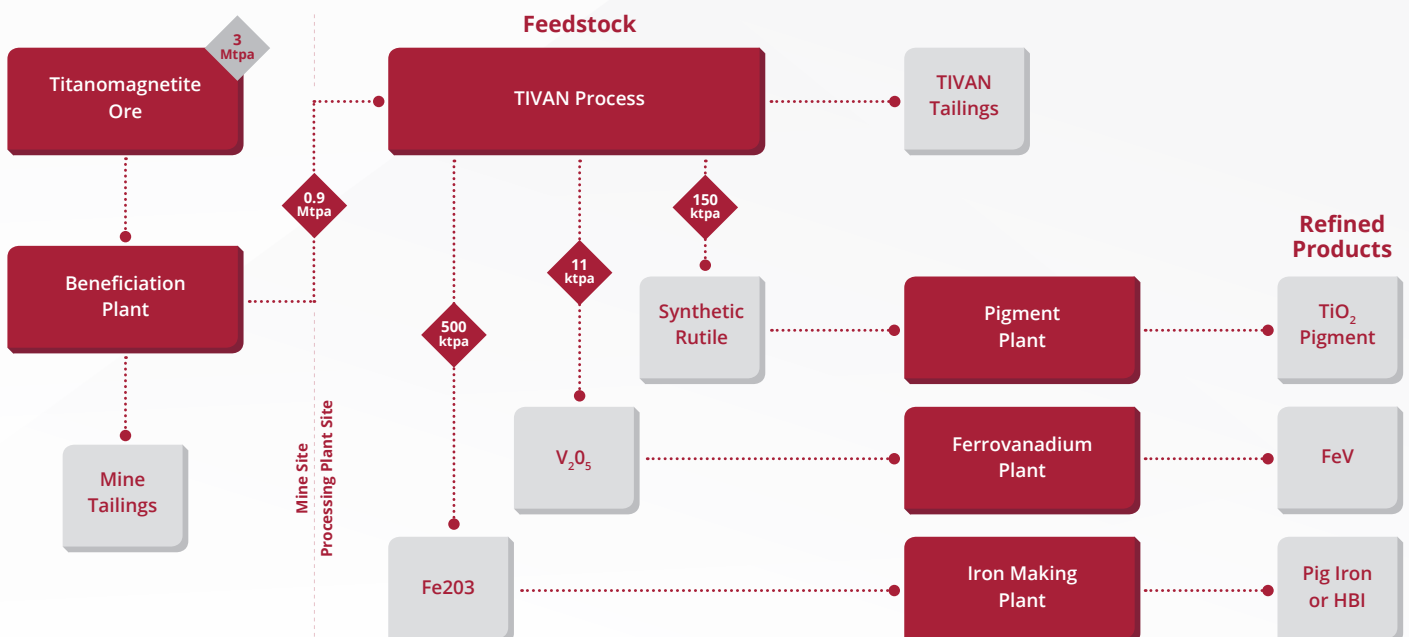
## Robust Financial Model and Project Economics

- 17-year mine life
- Mining rate 3Mtpa (Stage 1) expanding to 6Mtpa (Stage 2) after 4 years
- A\$4.7 billion NPV (at 8% discount rate)
- 44% IRR
- Pre-production Capex of A\$853 million
- Capital payback 3 years
- Net annual operating cash flow A\$738 million
- Life of Mine net cash-flow A\$11.7 billion



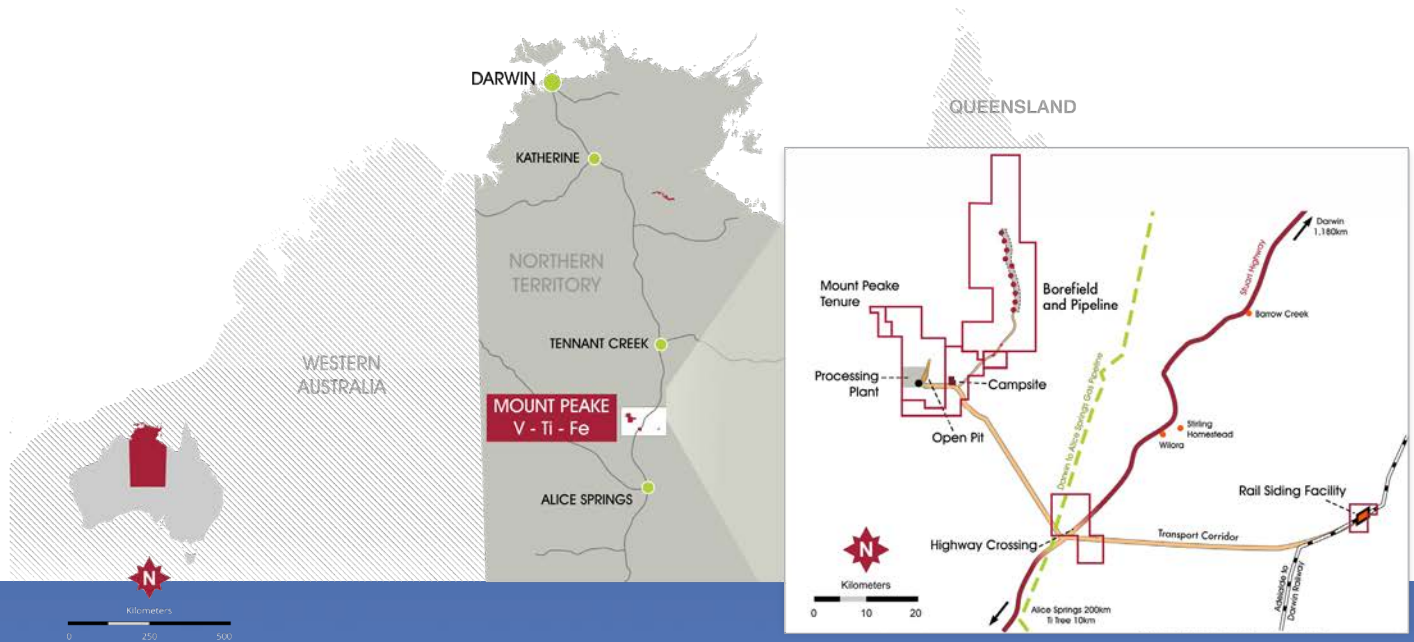
## TIVAN™

TIVAN® is a new and unique process designed primarily for extracting vanadium, preferably as vanadium pentoxide, from a titano-magnetite ore body, and also for separating the titanium and iron preferably as ferric oxide and titanium dioxide. Other existing processes in the market cannot extract all three of these elements at industrial-commodity-grade commercial products. The TIVAN™ process will produce high purity products for export from Mount Peake.



### Current Activity

- Updated Feasibility Study and Financial Model released November 2017 - operating improvements made to the beneficiation process and the TIVAN® flowsheet following exhaustive test work completed over 2016-17 led by Snowden Mining Industry Consultants, Como Engineers, CSIRO and the SMS Group
- Final discussions with SMS Group as the preferred EPC contractor
- Environmental approval gained from the Northern Territory EPA for the Mount Peake Mine site in January 2018
- Commonwealth environmental approval from the Department of Environment and Energy under the EPBC Act is imminent
- Mining Management Plan documentation for the Northern Territory Department of Primary Industry and Resources has commenced



### COMPETENT PERSON'S STATEMENTS

• The information in this report that relates to the Mount Peake Mineral Resource estimates is extracted from an ASX Announcement dated 26 March 2013, (see ASX Announcement – 26 March 2013, “Additional Information on the Mount Peake Resource”, [www.tngltd.com.au](http://www.tngltd.com.au) and [www.asx.com.au](http://www.asx.com.au)), and was completed in accordance with the guidelines of the JORC Code (2012). Initial mining and financial assessment work, based on the Mineral Resource, followed (see ASX Announcement – 15 July 2013, “TNG Considers Two-Stage Development Option for Mount Peake Project, NT”, [www.tngltd.com.au](http://www.tngltd.com.au) and [www.asx.com.au](http://www.asx.com.au)). The Company confirms that it is not aware of any new information or data that materially affects the information included in the original market announcement and that all material assumptions and technical parameters underpinning the Mineral Resource estimates in the relevant market announcement continue to apply and have not materially changed. The Company confirms that the form and context in which the Competent Person's findings are represented have not been materially modified from the original market announcement.

• The information in this report that relates to the Mount Peake Ore Reserve estimates is extracted from an ASX Announcement dated 31 July 2015, (see ASX Announcement – 31 July 2015, “Mount Peake Feasibility Study Confirms a World-Class Project”, [www.tngltd.com.au](http://www.tngltd.com.au) and [www.asx.com.au](http://www.asx.com.au)) and was completed in accordance with the guidelines of the JORC Code (2012). The Company confirms that it is not aware of any new information or data that materially affects the information included in the original market announcement and that all material assumptions and technical parameters underpinning the Ore Reserve estimates in the relevant market announcement continue to apply and have not materially changed. The Company confirms that the form and context in which the Competent Person's findings are represented have not been materially modified from the original market announcement.

• Information in relation to the Mount Peake Feasibility Study and Financial Model, including production targets and financial information, included in this report is extracted from an ASX Announcement dated 20 November 2017, (refer to ASX Announcement – 20 November 2017, “Updated Feasibility Study and Financial Model Confirms Robust Business Case for Development of Mount Peake Vanadium-Titanium-Iron Project”, [www.tngltd.com.au](http://www.tngltd.com.au) and [www.asx.com.au](http://www.asx.com.au)). The Company confirms that all material assumptions underpinning the production target and financial information set out in the announcement released on 20 November 2017 continue to apply and have not materially changed.

