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