

## INVESTOR PRESENTATION JUNE 2015



MINE > INTEGRATE > TRANSFORM



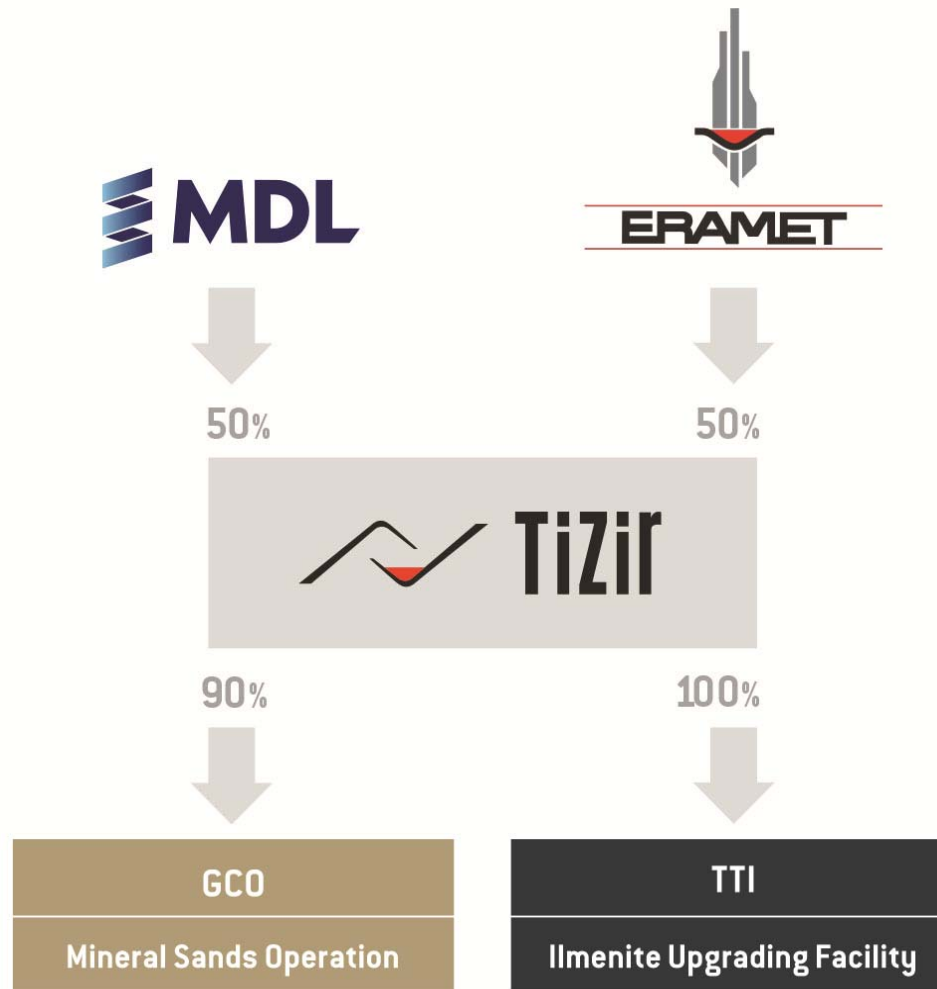
# STATEMENTS

## FORWARD LOOKING STATEMENTS

- Certain information contained in this report, including any information on MDL's plans or future financial or operating performance and other statements that express management's expectations or estimates of future performance, constitute forward-looking statements. Such statements are based on a number of estimates and assumptions that, while considered reasonable by management at the time, are subject to significant business, economic and competitive uncertainties. MDL cautions that such statements involve known and unknown risks, uncertainties and other factors that may cause the actual financial results, performance or achievements of MDL to be materially different from the company's estimated future results, performance or achievements expressed or implied by those forward-looking statements. These factors include the inherent risks involved in operations of minerals processing facilities, exploration and development of mineral properties, changes in economic conditions, changes in the worldwide price of zircon, ilmenite and other key inputs, changes in the regulatory environment and other government actions, changes in mine plans and other factors, such as business and operational risk management, many of which are beyond the control of MDL. Except as required by applicable regulations or by law, MDL does not undertake any obligation to publicly update, review or release any revisions to any forward looking statements to reflect new information, future events or circumstances after the date of this report.
- Nothing in this report should be construed as either an offer to sell or a solicitation to buy or sell MDL securities.

## MDL – A SNAPSHOT

### SIGNIFICANT LEVERAGE TO AN IMPROVING COMMODITY CYCLE



- MDL owns 50% of the TiZir Joint Venture
  - A significant producer of high grade titanium minerals
  - High quality, vertically integrated assets serving a global customer base
  - Quality partner in ERAMET
- Substantial operating history in the industry
- Mineral sands sector provides exposure to global GDP growth and urbanisation in emerging markets
- Current market capitalisation of \$102.6M (based on a share price of \$0.99)<sup>1</sup>
  - Cash balance of US\$23M as at March 2015

1: As at 11 June 2015

## TWO STRATEGIC MINERAL SANDS ASSETS

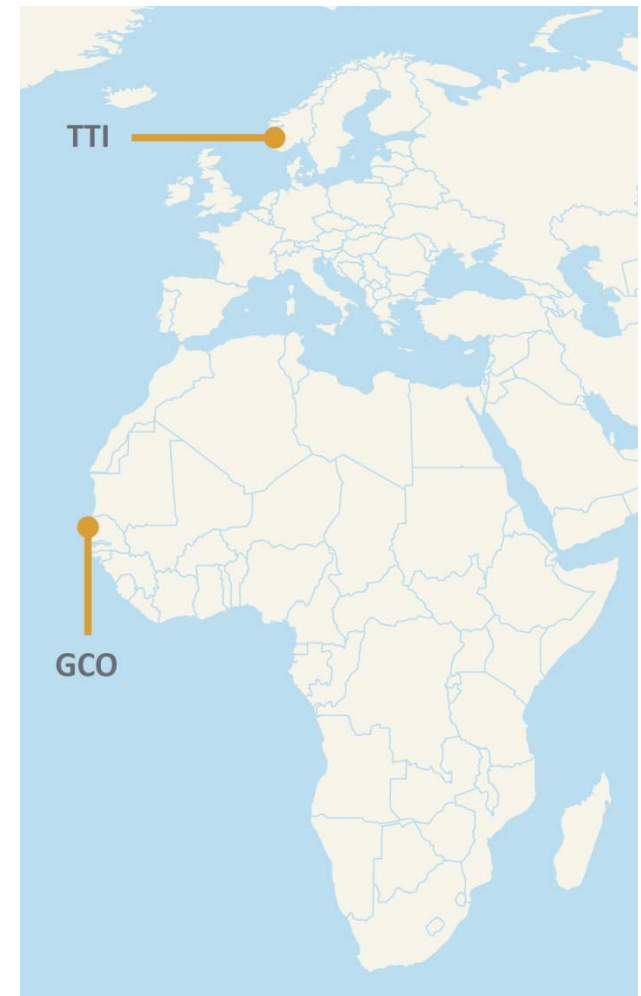
### THE VERTICAL INTEGRATION OF GCO AND TTI CREATES SIGNIFICANT VALUE

#### GCO (Senegal) – A major new mineral sands mine

- Biggest single-dredge mineral sands operation in the world
- US\$650M construction cost, 11 million man hours – completed February 2014
- Production ramp-up on target to achieve nameplate capacity
- 85ktpa of zircon sold directly to global customers
- 575ktpa of ilmenite with a majority to be processed at TTI
- Mine life expectancy to 2043

#### TTI (Norway) – A high quality ilmenite upgrading facility

- Operational since 1986 with a consistent production history
- Produces a high grade  $TiO_2$  titanium slag and high purity pig iron
- One of only five such operating assets globally (only one in Europe)
- Benefits from cheap, clean power and excellent logistics
- Refurbishment and expansion project to create production flexibility



GCO



RAMPING UP TO DESIGN CAPACITY

# CONVENTIONAL MINING & PROCESSING

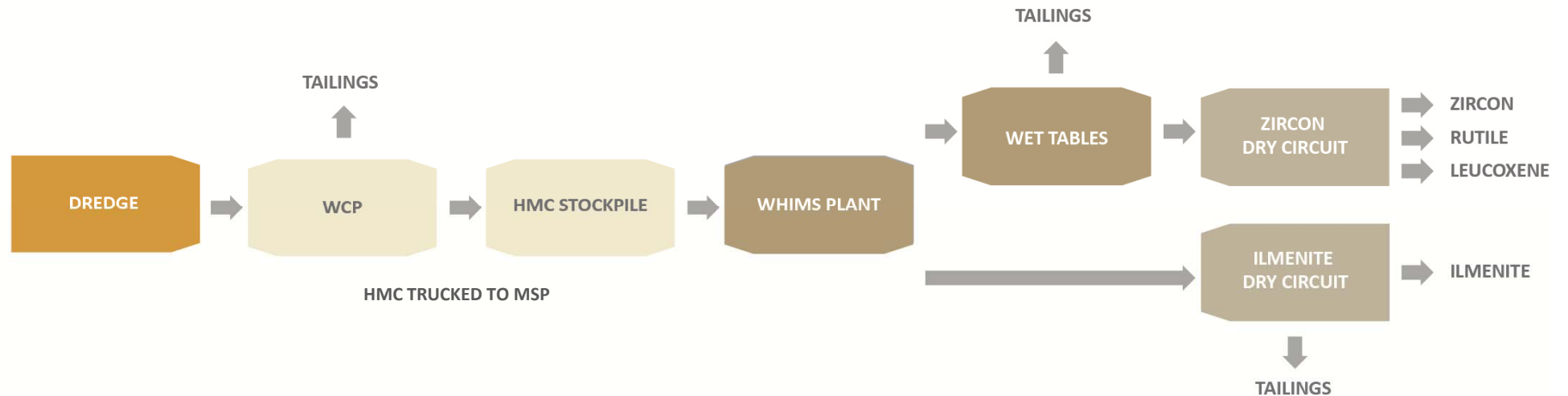
**1** WET MINING –  
DREDGE & FLOATING  
CONCENTRATOR

**2** PROCESSING TO  
SEPARATE  
MINERALS

**3** POWER

**4** RAIL

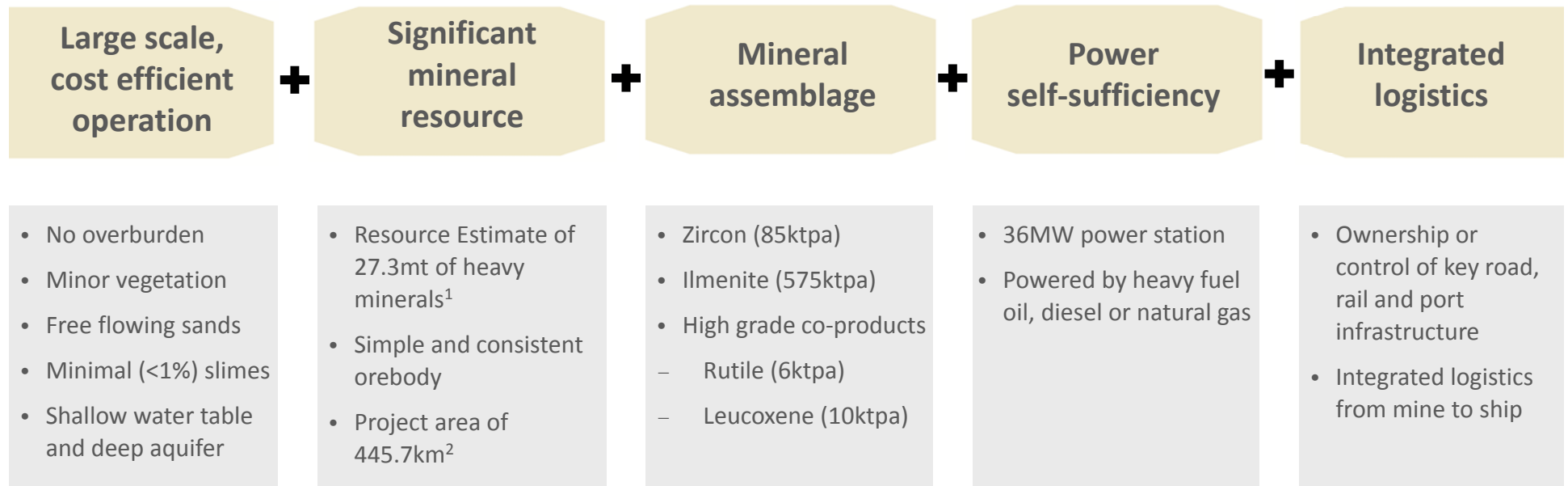
**5** PORT &  
SHIPPING



WCP : WET CONCENTRATOR PLANT  
 MSP : MINERAL SEPARATION PLANT  
 HMC : HEAVY MINERAL CONCENTRATE  
 WHIMS : WET HIGH INTENSITY MAGNETIC SEPARATION

# GCO – A HIGHLY COMPETITIVE MINERAL SANDS MINE

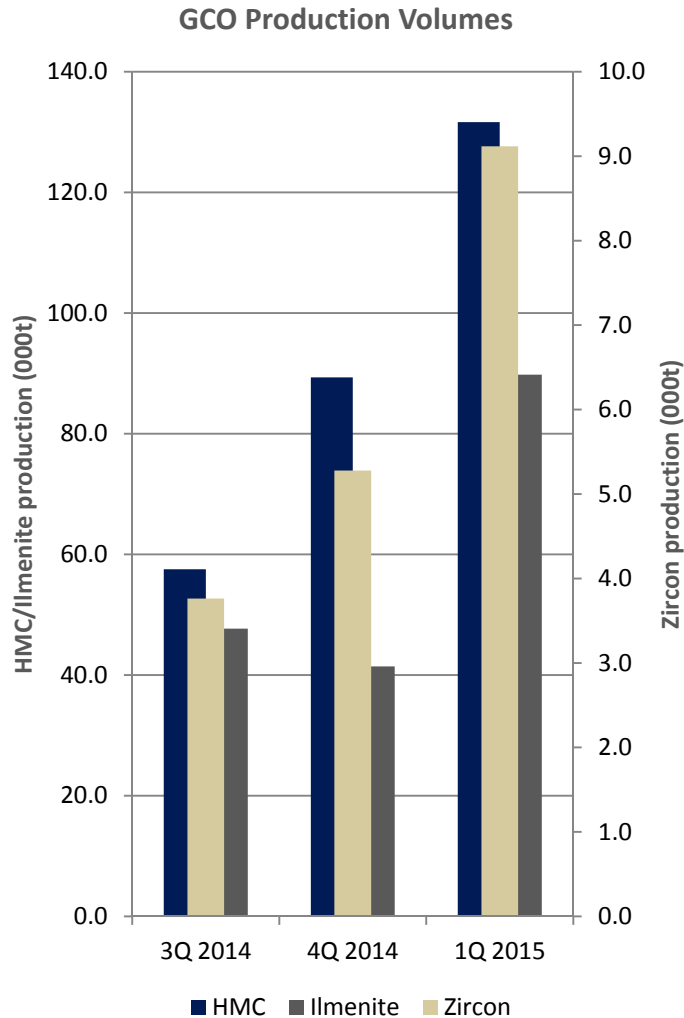
## GCO HAS A NUMBER OF ATTRIBUTES WHICH ENSURE A ROBUST OPERATION



1: ASX release – 19 February 2015

# GCO – STATUS REPORT

## COMMISSIONING CONTINUES



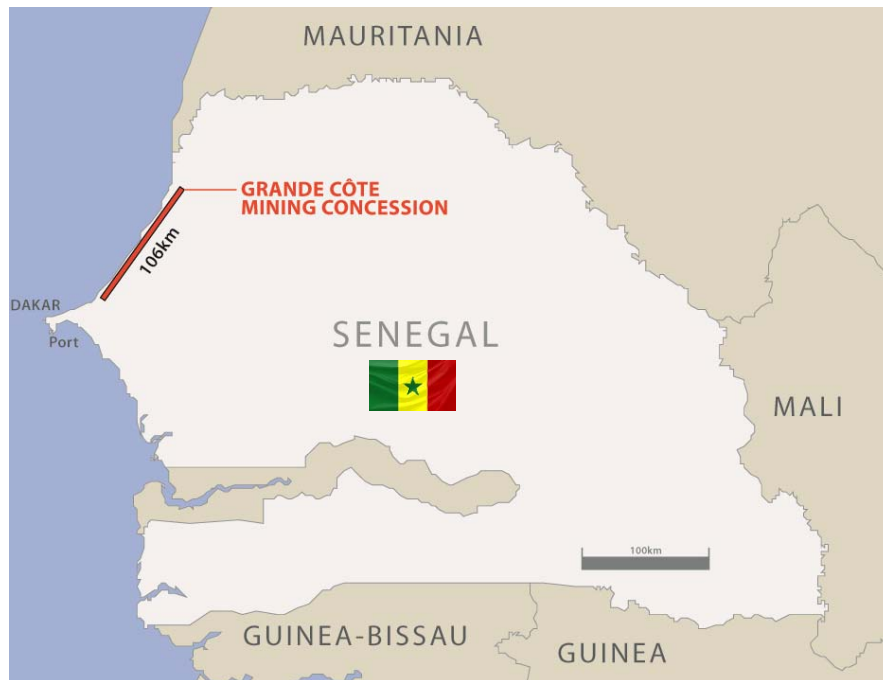
- March 2015 represented the first month of positive EBITDA, despite continuing soft market conditions, due to significant savings from cost efficiency initiatives and continuing pressure on oil prices and exchange rates
- Current minor operational issues are ‘typical’ of a mine ramp-up process
- Wet plant and ilmenite circuit of the dry plant operating at design feed rates
  - Majority of budgeted ilmenite production for 2015 contracted for sale to external customers
- Zircon recoveries continue to improve
  - Zircon product well received by customers
- Increase in mineral reserve and resource – life of mine extended to 2043<sup>1</sup>

1: ASX Release – 19 February 2015



# SENEGAL – A PREFERRED LOCATION IN AFRICA

## NEW DEVELOPMENT STRATEGY TARGETS EMERGING ECONOMY STATUS BY 2035



- Democratic republic based on French civil law system
- Reputation as one of the most stable democracies in Africa with a long history of participating in international peacekeeping and regional mediation
  - Location of choice for foreign embassies and international banks
- President Macky Sall came to power in March 2012 and launched an economic reform program designed to boost economic growth
  - *Plan Senegal Emergent* ('PSE') is an 'ambitious yet feasible path' to transform Senegal into an emerging economy by 2035 by becoming a hub for West Africa<sup>1</sup>
- Fiscal outlook continues to improve
  - GDP growth rate of 4.5% in 2014 and if the PSE is 'consistently and rapidly implemented' it could reach 7% growth by 2019<sup>2</sup>
  - S&P sovereign credit rating of B+/B
  - Fiscal deficit continues to decline with a deficit of 5.2% of GDP targeted in 2014

1: Christine Lagarde, IMF Managing Director – 30 January 2015

2: IMF Commentary, December 2014

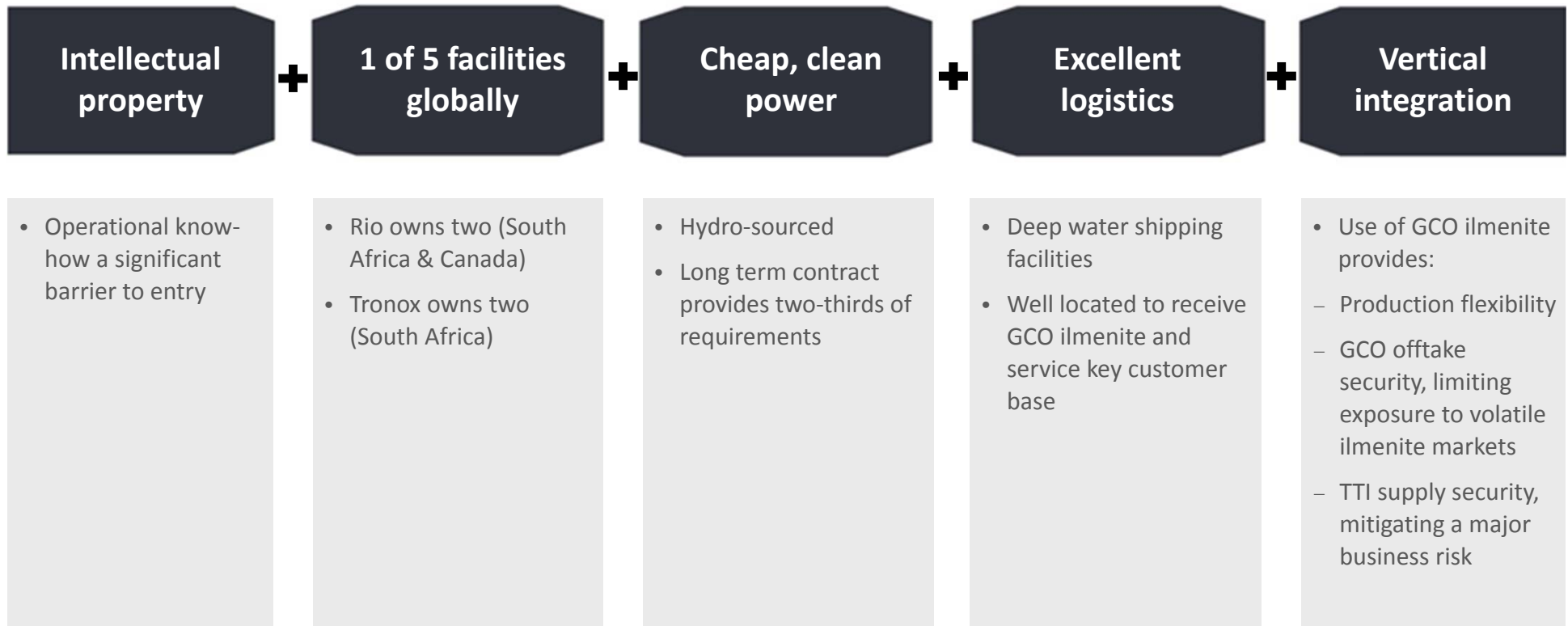
TTI



## PRODUCTION FLEXIBILITY

## TTI – A HIGH QUALITY UPGRADING FACILITY

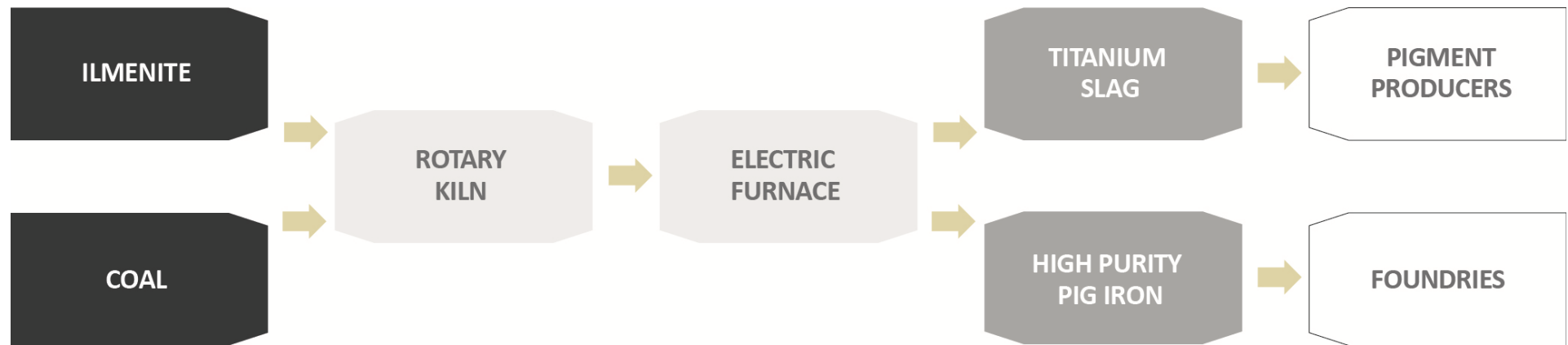
TTI IS A HIGH QUALITY FACILITY PROVIDING A NUMBER OF SIGNIFICANT ADVANTAGES



# TTI IS ALREADY A SIGNIFICANT PRODUCER OF TITANIUM FEEDSTOCK

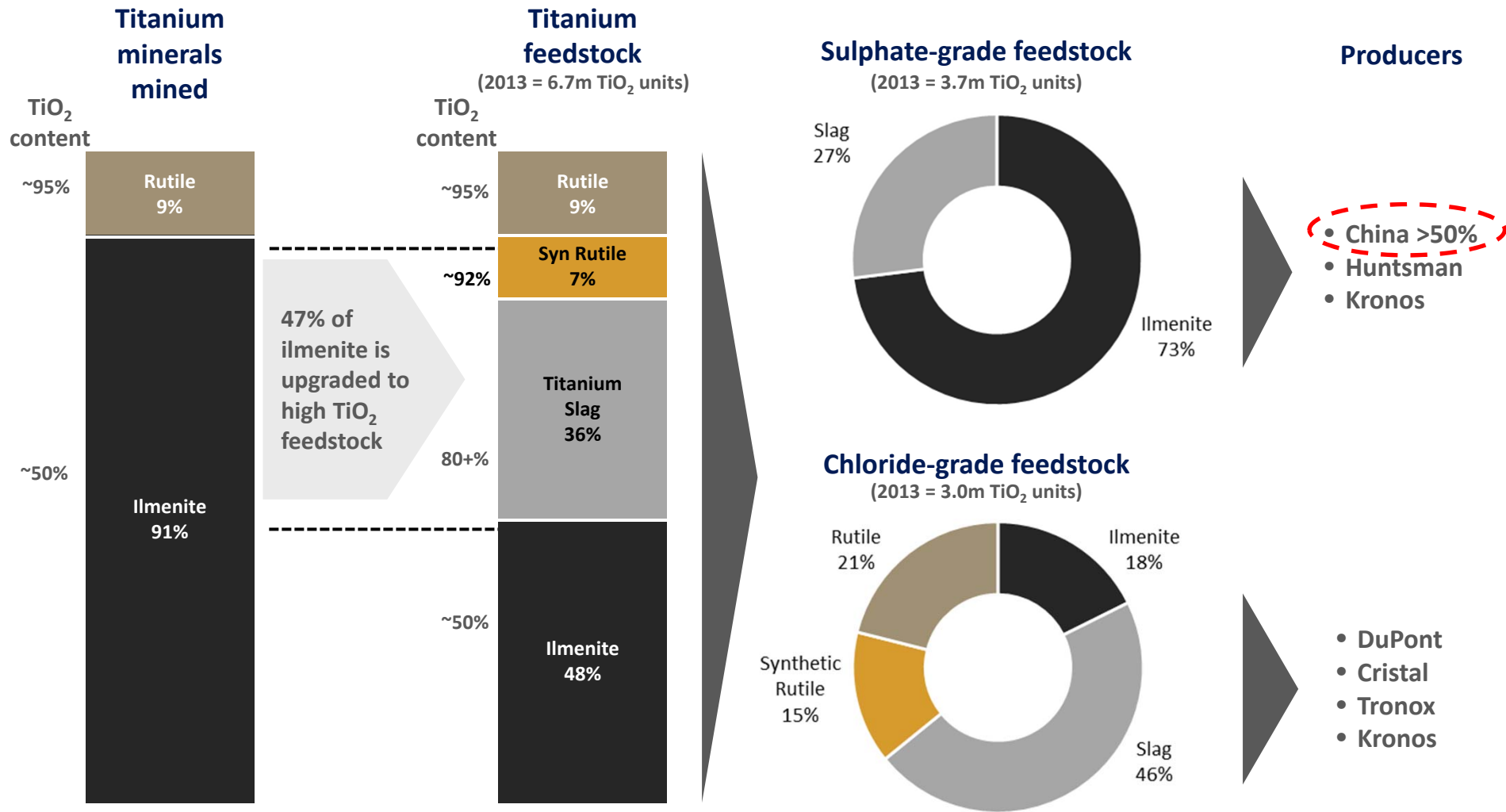
THE EXPANSION AND UPGRADE PROJECT WILL PROVIDE PRODUCTION FLEXIBILITY

**6** INPUT      **7** PRE-REDUCTION      **8** SMELTING      **9** OUTPUTS      **10** CUSTOMERS



# TITANIUM FEEDSTOCK CHAIN

## TITANIUM IS LARGELY USED IN THE PRODUCTION OF PIGMENT

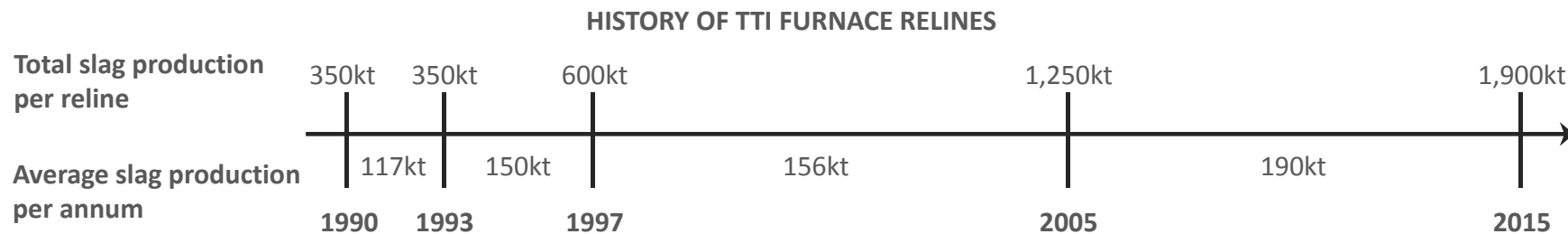


Source: TZMI & TiZir research

## PRODUCTION FLEXIBILITY PROVIDES OPTIONALITY

### TTI EXPANSION AND UPGRADE PROJECT ADDS SIGNIFICANT VALUE

- TTI has been operating successfully since 1986, having undergone numerous relines and expansions

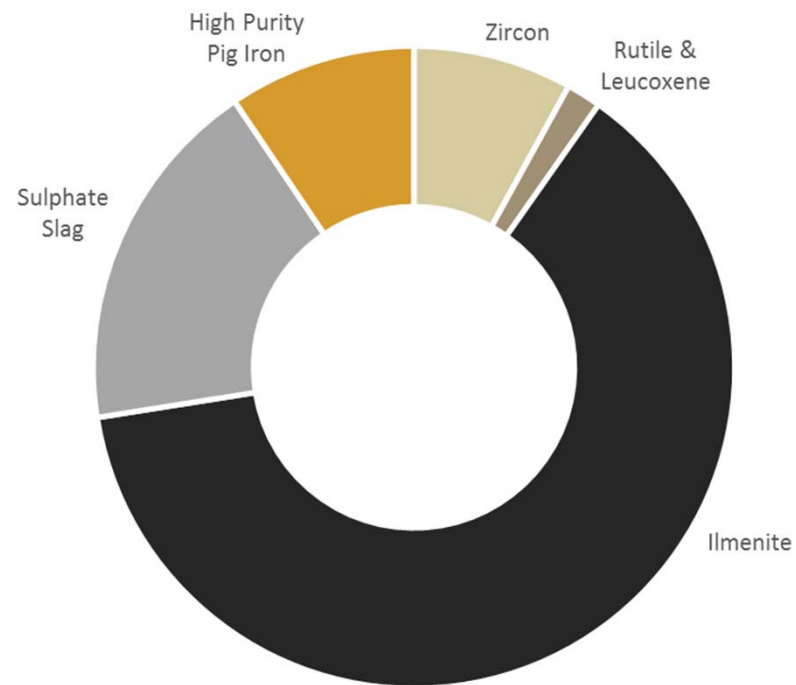


- As a result of the Expansion and Upgrade Project, TTI will:
  - Vertically integrate with GCO
  - Enhance cost efficiencies and revenue generation
  - Expand production capacity by approximately 15%
  - Have the flexibility to produce either chloride or sulphate slag and take advantage of market conditions
  - Reduce emissions thereby improving performance and further enhancing its important environmental credentials
    - Recognised by Enova (Norwegian Government Authority) in its recent funding support of TTI

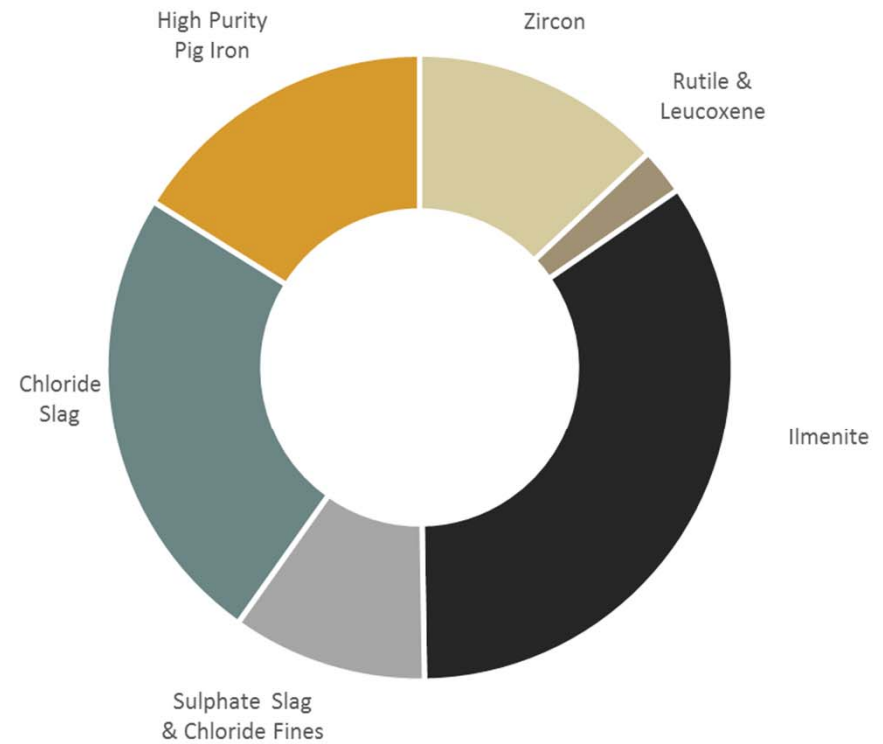
# IMPACT OF THE TRANSITION ON MDL

## ABILITY TO PRODUCE SULPHATE OR CHLORIDE SLAG DEPENDING ON MARKET CONDITIONS

2015 Sales volume mix – a transition year



2016 Sales volume mix – post transition



## MARKET UPDATE

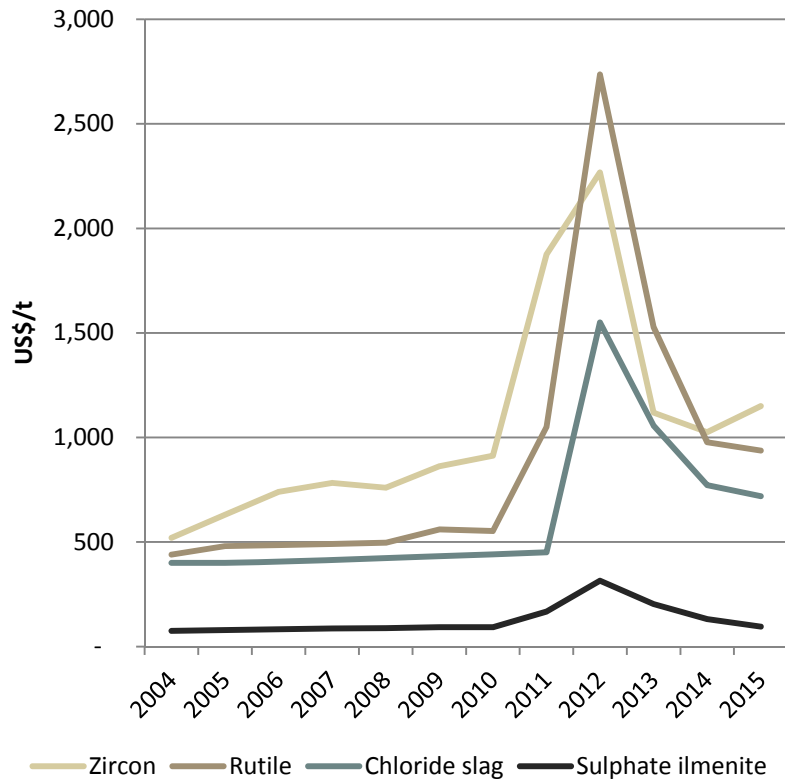


## MARKET OUTLOOK



## MARKET UPDATE

### PRICING UNLIKELY TO REVERT TO THE HIGHS OF 2011/12 BUT REASONS FOR OPTIMISM



Source: TZMI

- The price spike of 2011/12 is likely an anomaly driven by a unique set of circumstances
  - Unlikely to be revisited
- Pressure on pricing of the mineral sands suite continues
  - Excess capacity and surplus inventories, although concentrated industry has been able to prevent steeper price declines
  - Efforts to reduce intensity of use during pricing peak has lowered specific consumption
  - Weakness in the Chinese construction sector
- But some reasons for optimism
  - Improving global economic outlook
  - Erosion of consumer inventories
  - Industry consolidation/rationalisation
  - Pressure on Chinese sulphate pigment producers
  - Declining grades and assemblages undermining potential new projects
- Pig iron pricing benefiting from supply uncertainty in the Ukraine, lower production in Brazil and impact of a declining Euro

## WHY MDL?



## THE MDL INVESTMENT CASE



## WHY MDL?

### MDL IS ON TRACK TO DELIVER ON ITS STRATEGY BY THE END OF 2015

- GCO commissioning remains on track
  - Capex spend completed in February 2014
  - Current issues are ‘typical’ of a commissioning process
  - Zircon product well received by customers
- TTI smelter expansion and upgrade to be completed during Q4 2015
  - Plant has been operating since 1986 (with numerous relines completed)
  - Strong indications that project will be completed under budget
  - Project funded by TiZir cash and available working capital facilities
  - Financial support from Enova (subject to ESA approval), a Norwegian government agency promoting energy efficiency and the use of environmentally friendly energy technology
  - Will deliver significant advantages of vertical integration and product flexibility
- As at 31 March 2015, MDL had cash of US\$23.8M, no debt and no expected future cash commitments to TiZir

## WHY MDL?

### A STRONG PLATFORM TO GROW SHAREHOLDER VALUE

- ✓ Significant leverage. As industry fundamentals improve, MDL is well positioned to benefit
- ✓ Well located, high quality assets
- ✓ Current strategy best positions the Company to take advantage of prevailing and anticipated future market dynamics
- ✓ Operational flexibility to adapt to changing market conditions to maximise returns for shareholders
- ✓ Vertical integration driving cost efficiencies and enhanced revenue generation
- ✓ By end 2015, capital spend expected to be complete and assets largely de-risked
- ✓ Partnership with ERAMET, a major global player in manganese and nickel mining & smelting

## CONTACT DETAILS

Level 17, 530 Collins Street  
Melbourne Victoria 3000, Australia

T +61 3 9618 2500

F +61 3 9621 1460

E [mdlmail@mineraldeposits.com.au](mailto:mdlmail@mineraldeposits.com.au)  
[mineraldeposits.com.au](http://mineraldeposits.com.au)

For further information please contact:

**Nic Limb**

Executive Chairman

**Rob Sennitt**

Chief Executive Officer

**Greg Bell**

Chief Financial Officer

