17TH MINERAL SANDS CONFERENCE



STATEMENTS

MDL OVERVIEW

 MDL's primary asset is a 50% interest in the TiZir joint venture, which owns the Grande Côte mineral sands operation in Senegal, West Africa and the TiZir Titanium & Iron ilmenite upgrading facility in Tyssedal, Norway. ERAMET of France is MDL's 50% joint venture partner in TiZir.

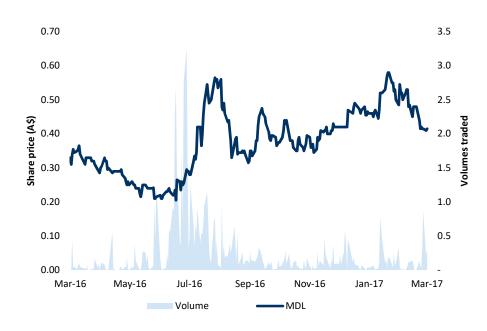
FORWARD-LOOKING STATEMENTS

- Certain information contained in this presentation 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 mining, operation of mineral processing facilities, exploration and development of mineral properties, financing risks, 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.
- Past performance information given in this presentation is given for illustrative purposes only and is not necessarily a guide to future performance. No representation or warranty is made by any person as to the likelihood of achievement or reasonableness of any forward-looking statements, forecast financial information or other forecast. Nothing contained in this presentation is, or shall be relied upon as, a promise, representation, warranty or guarantee as to the past, present or future performance 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 presentation.
- Nothing in this presentation should be construed as either an offer to sell or a solicitation to buy or sell MDL securities.

MDL OVERVIEW

MDL VISION – CAPITALISE ON SCALE AND QUALITY OF ASSET BASE

Share price (as at 13 March 2017)	A\$0.41
Shares on issue	~139.5m
Market capitalisation	~A\$57.2m
12 month high	A\$0.62
12 month low	A\$0.20



1: Prior to capital raising

Board

- Non Executive Chairman Nic Limb
- Non Executive Director, Deputy Chair Bobby Danchin
- Managing Director/CEO Rob Sennitt
- Executive Director Martin Ackland
- Non-Executive Director Tom Whiting
- Non-Executive Director Sandy MacDonald

Executive team

- Chief Operating Officer Jozsef Patarica
- Chief Financial Officer Greg Bell
- · Company Secretary Michaela Evans

Share register transitioning

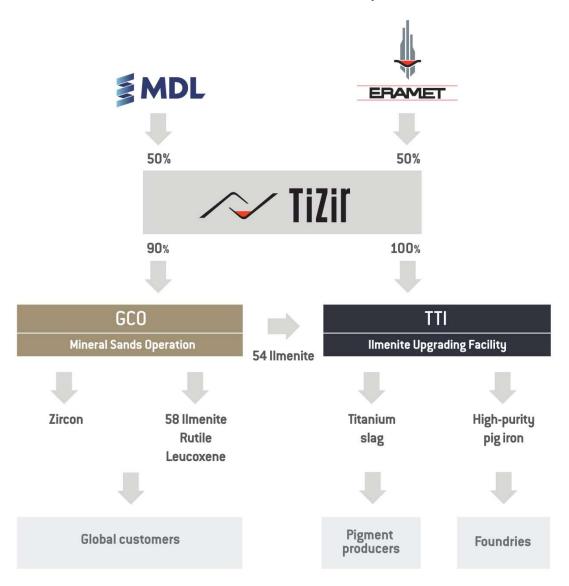
- Top 10 beneficial shareholders own ~58.2%¹
- · Major shareholder is Allan Gray Australia Pty Ltd

Fully underwritten capital raising (A\$39.2m)

- Placement and institutional entitlement offer completed (~A\$15m raised)
- Retail entitlement offer underway (to raise ~A\$24.2m)
- Shares on issue post raising ~197m

TIZIR JOINT VENTURE – 50% MDL

TIZIR – AN INTEGRATED PRODUCER OF HIGH-QUALITY ZIRCON AND TITANIUM SLAG



Key operating assets

- Grande Côte mineral sands operation (GCO)
 - Senegal, West Africa
- TiZir Titanium & Iron ilmenite upgrading facility (TTI)
 - Tyssedal, Norway

Joint venture company & partner

- TiZir joint venture entity comprising MDL ownership of 50%
- ERAMET
 - French multinational mining and metallurgy company
 - Listed on the Euronext Paris (Trading code: ERA)

SENEGAL – WEST AFRICA

ONE OF THE MOST STABLE DEMOCRACIES IN AFRICA



- Democratic republic based on French civil law system
- Reputation as one of the most stable democracies in Africa
 - three peaceful political transitions since independence in 1960
 - long history of participating in international peacekeeping and regional mediation
- President Macky Sall elected in March 2012 and launched an economic reform program designed to boost economic growth
- Fiscal outlook continues to improve

TYSSEDAL – NORWAY

NORWAY IS LOCATED IN NORTHERN EUROPE



- · Norway has a highly educated workforce
- Tyssedal is a village in Odda municipality in Hordaland county
- Located in a valley between the Hardangerfjord to the west and mountains to the east
- TTI is the largest employer in the village

GRANDE CÔTE OPERATIONS



MINE > INTEGRATE > TRANSFORM



MINERAL RESOURCES & RESERVES

Mineral Resource Estimate ¹					
100% basis Resource category	Tonnes Mt	In Situ HM Mt	HM %		
Measured	1,509	21.8	1.4		
Indicated	350	4.8	1.4		
Inferred	41	0.5	1.2		
Total	1,900	27.1	1.4		

Ore Reserve Estimate ¹				
100% basis Classification	Tonnes Mt	In Situ HM Mt	HM %	
Proved	1,122	16.6	1.5	
Probable	343	5.1	1.5	
Total	1,465	21.7	1.5	

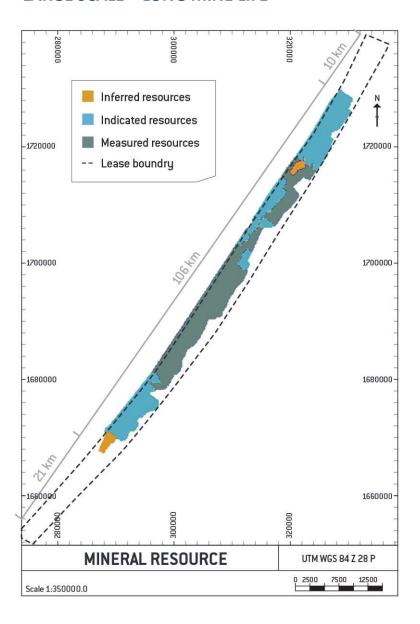
Key figures

- Mineral Resource estimate of 27.1 million tonnes (Mt) of heavy minerals (HM) (Measured and Indicated and Inferred)¹
- Increase in Ore Reserve during 2016 to 21.7 Mt of HM (Proven and Probable)¹
- · Optimised and updated mine path and schedule
- · Grande Côte life of mine through to 2043
- · Mineral assemblage:
 - Ilmenite (72%)
 - Zircon (10.7%)
 - Leucoxene (3.2%)
 - Rutile (2.5%)

^{1:} ASX release — 22 February 2017 (Grande Côte Mineral Resource and Ore Reserve Update) and 24 February 2017 (Annual Statement of Mineral Resources and Ore Reserves as at 31 December 2016).

MDL confirms that it is not aware of any new information or data that materially affects the information included in the ASX releases of 22 February 2017 and 24 February 2017 and that all material assumptions and technical parameters underpinning the estimates in the release continue to apply and have not materially changed.

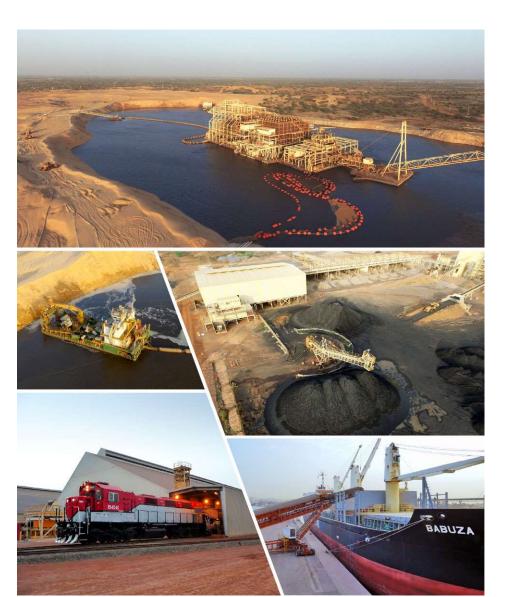
LARGE SCALE – LONG MINE LIFE



Ore deposit

- Stretches for over 100km of coast line
- Comprises a linear series of Aeolian sand dunes
- Dunes range between 5m and 35m in height
- Mineralised zones
 - essentially flat lying
 - average ~15m in thickness
- Heavy mineral assemblage concentrated by wind action

LARGE SCALE – LONG MINE LIFE



Mine

- Dredge
- Floating wet concentrator plant

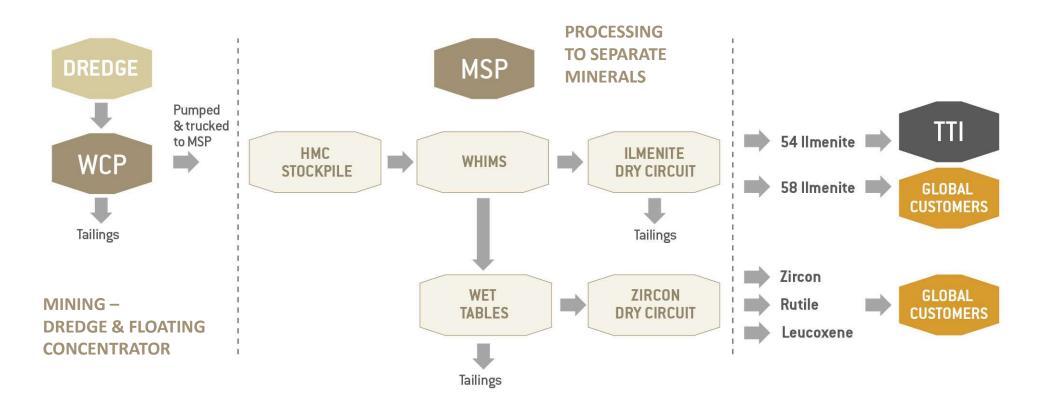
Mineral separation plant

- Heavy mineral concentrate upgraded through a wet and dry circuit
- Magnetic and non-magnetic separation
- Dry circuit is a combination of electrostatic and magnetic separation
- Final products of high-quality zircon, ilmenite, rutile and leucoxene

Logistics

- Owned and operated power and water infrastructure
- Rail between mine and Dakar port operations
 - owned and operated locomotives
- Exclusive berth at Dakar port and warehousing facilities

LOW COST DREDGE MINING AND CONVENTIONAL PROCESSING THAT IS INTEGRATED FROM MINE TO SHIP



WCP: WET CONCENTRATOR PLANT
MSP: MINERAL SEPARATION PLANT
HMC: HEAVY MINERAL CONCENTRATE

WHIMS: WET HIGH INTENSITY MAGNETIC SEPARATION

KEY ATTRIBUTES

Large scale, cost efficient operation

Substantial

Mineral

Resource

Mineral assemblage

Established infrastructure

Integrated logistics

- · High throughput
- Low cost dredging
- Consistent orebody
- Largely free flowing sands
- No overburden
- Minor vegetation
- Minimal (<1%) slimes

- Long mine life (25+ years)
- Mineral Resource Estimate of 27.1Mt¹ of heavy minerals
- 25 year mining concession
- Project area of 445.7km²

- · High-quality zircon
- Two ilmenite grades (54% & 58% TiO₂)
- High grade co-products
 - rutile
 - leucoxene

- Reliable power generated by 36MW power station
- Established bore field utilising deep water aquifer
- Ownership and/or control of key rail and port infrastructure

- Integrated logistics from mine to ship
- Well located to service TTI and key customer base in Europe and North America

^{1:} ASX release — 22 February 2017 (Grande Côte Mineral Resource and Ore Reserve Update) and 24 February 2017 (Annual Statement of Mineral Resources and Ore Reserves as at 31 December 2016). The combined measured and indicated and inferred resource estimate of 27.1Mt is comprised of a measured resource estimate of 21.8Mt, an indicated resource estimate of 4.8Mt and an inferred resource estimate of 0.5Mt. MDL confirms that it is not aware of any new information or data that materially affects the information included in the ASX releases of 22 February 2017 and 24 February 2017 and that all material assumptions and technical parameters underpinning the estimates in the release continue to apply and have not materially changed.

SUSTAINABILITY FUNDAMENTALS



FINANCIAL & EMPLOYMENT

- Government owns 10% of GCO
- 5% gross production royalty
- Focus on:
 - maximising local employment
 - use of local suppliers and service providers
 - capacity building and training

ENVIRONMENT & SAFETY

- Progressive rehabilitation
 - program developed with regulators and local communities
- 'Zero incident' ethos
- Medical clinic and Emergency Response Team
- Multilingual OHS training

SOCIAL & COMMUNITY

- Stakeholder approved social development programs
 - community infrastructure
 - agricultural improvement
 - small business development
 - focus on opportunities for women & young people
- Resettlement eco-villages

TIZIR TITANIUM & IRON



MINE > INTEGRATE > TRANSFORM



TTI

ONLY UPGRADING FACILITY OF ITS TYPE IN EUROPE





Upgrading facility

- Furnace capacity expansion project completed in 2015
- First chloride slag production early January 2016
 - closely followed by high purity pig iron
- Chloride slag and iron specifications are consistent with expectations

Operation

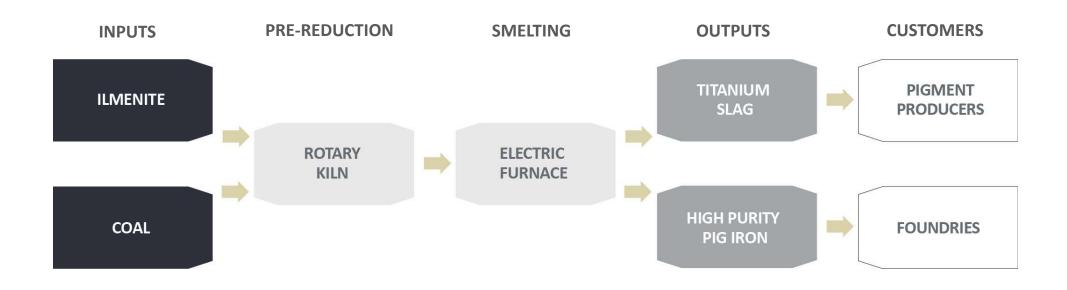
- In operation for over 30 years
- Valuable intellectual property
 - technology/knowledge
 - operational expertise

Logistics

- Abundant hydro-sourced electric power
- Deep water shipping facilities

TTI

LONG OPERATING HISTORY – VALUABLE INTELLECTUAL PROPERTY



TTI

KEY ATTRIBUTES

Well established operation

Intellectual property

Cheap, clean power

Excellent logistics

Future developments

- Operating since 1986
- Longstanding, skilled workforce
- Significant upgrade in 2016
 - 15% expansion
 - improved monitoring systems
 - chloride slag capability
 - production flexibility

- Significant barriers to entry
 - technology
 - operational knowhow and expertise
- One of six operating facilities globally
- Abundant hydrosourced electric power
- Favourable long-term contract providing two-thirds of electricity requirements
- Deep water shipping facilities
- Well located to receive GCO ilmenite and service key customer base in Europe and North America
- Expansion potential
- Norwegian agency (ENOVA) support for development of environmentally friendly process technology

THE VALUE OF VERTICAL INTEGRATION



MINE > INTEGRATE > TRANSFORM
Video



TIZIR

KEY BENEFITS OF INTEGRATION

GCO

- Long life mine
- Low cost dredge mining
- High-quality product suite
- Owned and operated power and water infrastructure
- Ownership or control of key mine to port infrastructure

INTEGRATION BENEFITS

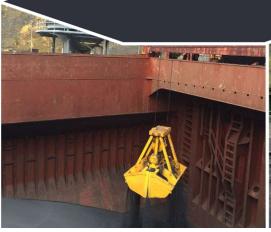
- Production flexibility
- Minimise risk profile
- Maximise margins
- Reduced logistics costs

TTI

- Operating for over 30 years
- Valuable intellectual property
 - technology/knowledge
 - operational expertise
- Abundant, hydro-sourced electric power
- Recent capacity upgrade

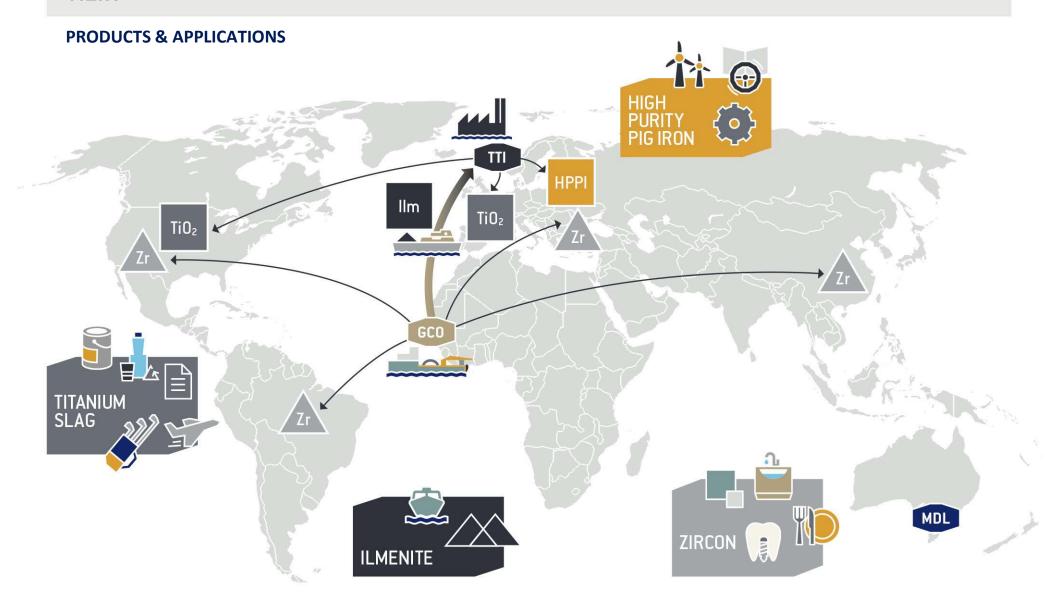






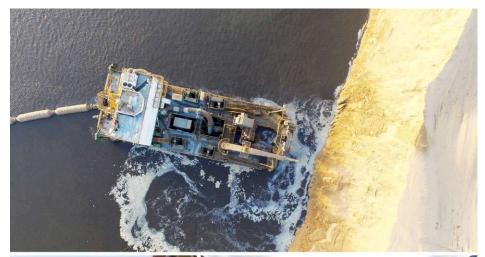


TIZIR



STRATEGIC OUTLOOK

OPERATIONS





GCO

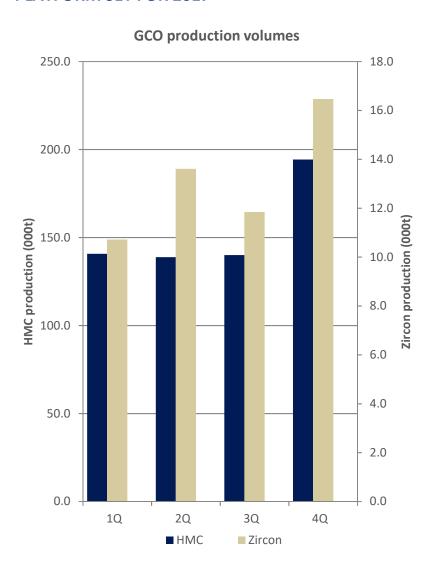
- Continue to optimise operational performance and mine path
- Key focus on optimisation projects to deliver:
 - increased utilisation and throughput rates
 - improving efficiencies of:
 - mining recoveries
 - processing yields
- Ongoing cost saving initiatives
- Supplementary feed using dry mining methods

TTI

- Focus on delivering:
 - high-quality product mix
 - 15% expansion of operations
 - improved maintenance performance
- Optimisation of pre-reduction process

4Q 2016 – PERFORMANCE UPDATE

PLATFORM SET FOR 2017



GCO

- Strong result in 4Q 2016
 - multiple production records
 - record dredge and WCP utilisation
 - 1st year of positive cash flow (2016)
- · Second successive quarter of positive free cash flows
- Mine optimisation study focus on maximising cash flow

TTI

- · Furnace restart ahead of schedule
 - ramp up well underway
- Product shipments expected from early April

SIGNIFICANT LEVERAGE FOR SHAREHOLDERS & NEW INVESTORS IN MDL

STRONG PLATFORM TO GROW SHAREHOLDER WEALTH



50/50 Partnership with ERAMET, a world leader in manganese and nickel mining & smelting



Value leverage given industry fundamentals and asset replacement value



Improving sector outlook



Integrated operations maximising margin and minimising risk



Improving operational and financial performance



Substantial five year capital program complete

CONTACT DETAILS

For further information please contact:

Rob Sennitt

Managing Director

Jozsef Patarica

Chief Operating Officer

Level 17, 530 Collins Street Melbourne Victoria 3000 Australia

T +61 3 9618 2500

F +61 3 9621 1460

E mdlmail@mineraldeposits.com.au

W mineraldeposits.com.au

