# Kenmare Resources Plc Moma Titanium Minerals Mine



Preliminary Results and Update | March 2013

## Disclaimer

- This Confidential Presentation (the "Presentation") has been prepared and issued by Kenmare Resources plc (the "Company" or "Kenmare"). While this Presentation has been prepared in good faith, the Company and its respective officers, employees, agents and representatives expressly disclaim any and all liability for the contents of, or omissions from, this Presentation, and for any other written or oral communication transmitted or made available to the recipient or any of its officers, employees, agents or representatives. No representations or warranties are or will be expressed or are to be implied on the part of the Company, or any of its respective officers, employees, agents or representatives in or from this Presentation or any other written or oral communication from the Company, or any of its respective officers, employees, agents or representatives in or from this Presentatives concerning the Company or any other factors relevant to any transaction involving the Company or as to the accuracy, completeness or fairness of this Presentation, the information or opinions on which it is based, or any other written or oral information made available in connection with the Company.
- This Presentation does not constitute or form part of, and should not be construed as, an offer, invitation or inducement to purchase or subscribe for any securities of the Company nor shall it or any part of it form the basis of, or be relied upon in connection with, any contract or investment decision relating to such securities, nor does it constitute a recommendation regarding the securities of the Company.
- This Presentation is as of the date hereof. This Presentation includes certain statements, estimates and projections provided by the Company with respect to the anticipated future performance of the Company or the industry in which it operates. Such statements, estimates and projections reflect various assumptions and subjective judgments by the Company's management concerning anticipated results, certain of which assumptions and judgments may be significant in the context of the statements, estimates and projections made. These assumptions and judgments may or may not prove to be correct and there can be no assurance that any projected results are attainable or will be realised. In particular, certain statements in this Presentation relating to future financials, results, plans and expectations regarding the Company's business, growth and profitability, as well as the general economic conditions to which the Company is exposed, are forward looking by nature and may be affected by a variety of factors. The Company is under no obligation to update or keep current the information contained in this Presentation, to correct any inaccuracies which may become apparent, or to publicly announce the result of any revision to the statements made herein and any opinions expressed in the Presentation or in any related materials are subject to change without notice.

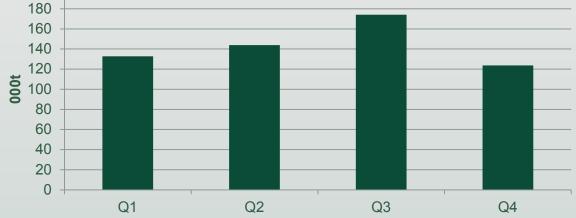
### **Health & Safety**



Kenmare 2012 LTIFR 0.33 South African Mineral Sands Competitors 4 year average 0.45

## **Production Data Quarterly 2012**

**Ilmenite 000t: Quarterly** 

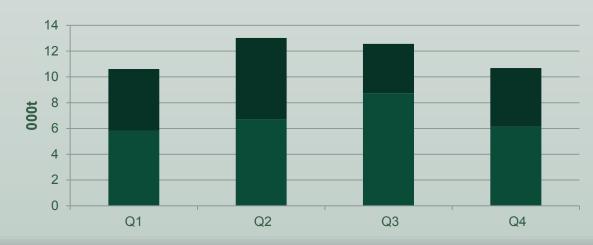


**Zircon 000t: Quarterly** 

200



Secondary zircon



# **Mining Challenges**

- Power reliability Electricidade de Moçambique (EDM) upgrades; Adverse weather
- Progressively mining from existing "Nick Zone" up onto the "High Dunes"
  - Geotechnical aspects challenging as the plant moves from "Nick Zone" onto the high dunes – Pond water level rises from 12 metres to 32 metres (currently above 25 metres)
  - Water supply management
- Mining Conditions Slimes management (pockets of higher slime zones impacting on dredge throughput)



Dredge Path WCP B

## **Power Reliability**

#### **Electrical Supply Volatility**

- Commissioning of the SVC at Mocuba beneficial in the long term but resulted in short term interruptions – now commissioned and are seeing improved stability
- SVC upgrade at Alto Molocue delayed by EDM and completion planned for mid February 2013
- Voltage Stabilisation Equipment (Dip Doctor) scheduled for completion in March/April 2013
- Adverse weather resulting in total outages
  - Root causes: Maintenance of the 33kV lines from various 110 kV substations in the northern part of the country - protection and overhead lines (After the 2 SVC's)
  - > <u>Action items:</u>
  - On-going discussion and assistance to EDM to resolve maintenance issues
  - Variable Speed Drive settings changed to minimise sand-ups after power dips
  - Desanding systems installed on most circuits to improve recovery time

# **Mining Summary**

#### Review 2012

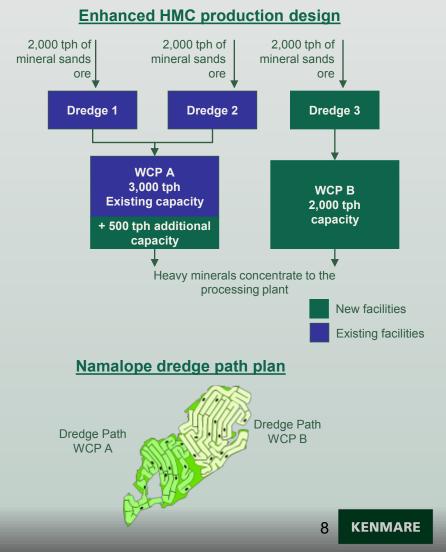
- > Power reliability impacted operations weather related in last month
- Moving from "Nick Zone" onto the "High Dunes" more challenging than anticipated
- Mining conditions presented to the dredges remain variable better ability to forecast mining throughput
  - Improved forecasting, however limited ability to increase output over first quarter of 2013
- > Further improvement in planning, forecasting and execution

#### Outlook 2013

- Transition onto the High Dunes will be substantially completed by end March 2013
- Mining conditions should start to improve by April 2013 with isolated areas of higher slimes persisting
- Improved forecasting ability

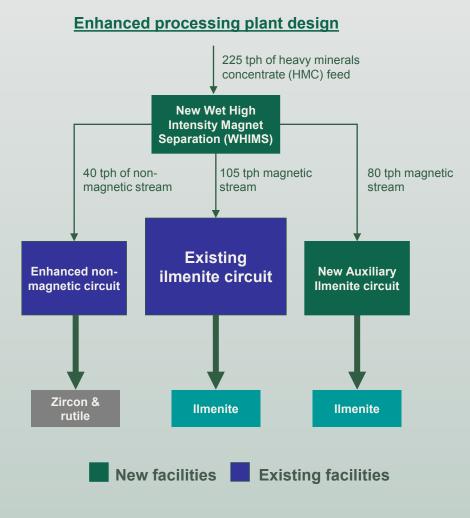
# **Phase II Expansion – Mining**

- EXISTING Wet Concentrator Plant A (WCP A)
  - Upgrade WCP A to increase spiral feed capacity from 3,000 to 3,500 tph
- NEW Wet Concentrator Plant B (WCP B)
- Installation of 2<sup>nd</sup> mining plant consisting of:
  - WCP with spiral feed capacity of 2,000 tph
  - Starter pond
  - 3<sup>rd</sup> dredge
- WCP spirals modular design allows for easier future capacity increases
- Addition of WCP B will not interfere with existing operations
- Planned WCP B move to the Nataka deposit in 2020 and WCP A in 2024



# **Phase II Expansion – Processing**

- Mineral Separation Plant (MSP)
  - Expanding capacity from 135 tph to 225 tph
- New Wet High Intensity Magnetic Separation (WHIMS) circuit
  - More efficient upfront separation of Magnetic and Non-magnetic minerals
  - > Enhanced efficiency of existing operation
- Modular approach to construction to avoid disruption to existing operations
- Enhanced non-magnetic circuit with additional driers
- Upgrade of associated infrastructure and equipment, particularly electricity and water supply



#### Schedule

#### **Risks to schedule:**

> Piping finalisation

Plant	Schedule
WCP A Upgrade	Completed
WCP B Floating	Completed
WCP B – Cold Commissioning	Started
WCP B Dredge – Commissioning	Started
WHIMS – Cold Commissioning	Started
Auxiliary Ilmenite – Cold Commissioning	Started
MSP Brownfields – Upgrade Tie In	Completed
MSP Brownfields Non-Magnetics Circuits	Tie in scheduled to start April 2013
Product Stores Ilmenite	Completed
Product Stores Zircon	Tie in scheduled to start April 2013
Raw Water Dam	Completed

KENMARE

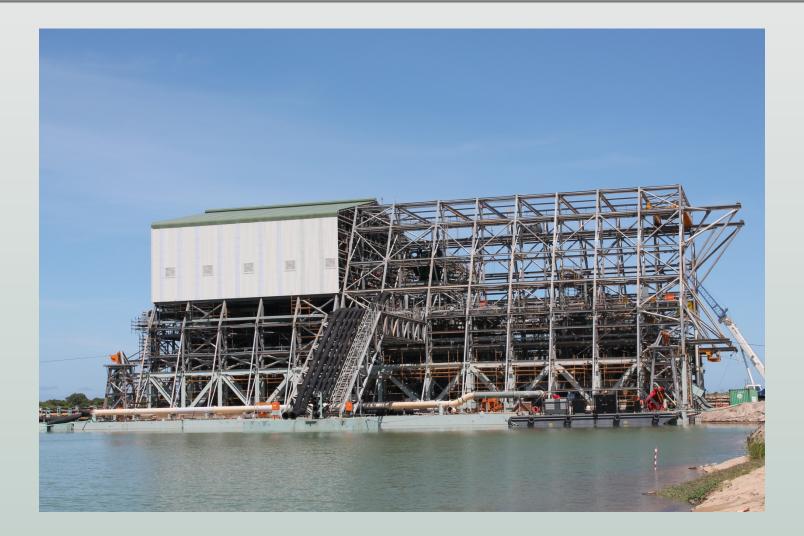
10

### **Expansion Progress – Dredge**



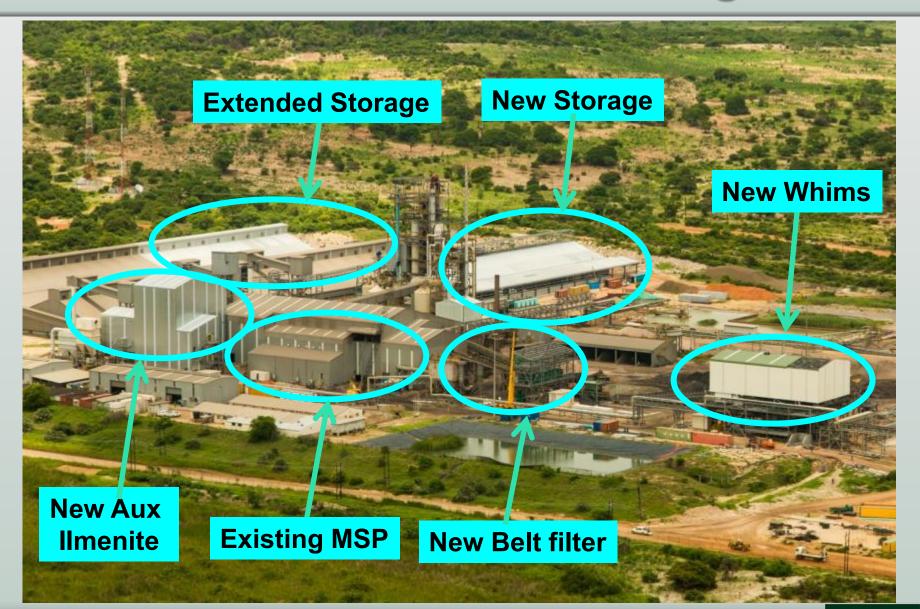
> 3<sup>rd</sup> Dredge floating and resting in its commissioning position

## **Expansion Progress – WCP B**



Superstructure complete; Piping and Electrics to be finalised

#### **Moma Mine – Processing**



# **Expansion Progress – WHIMS**



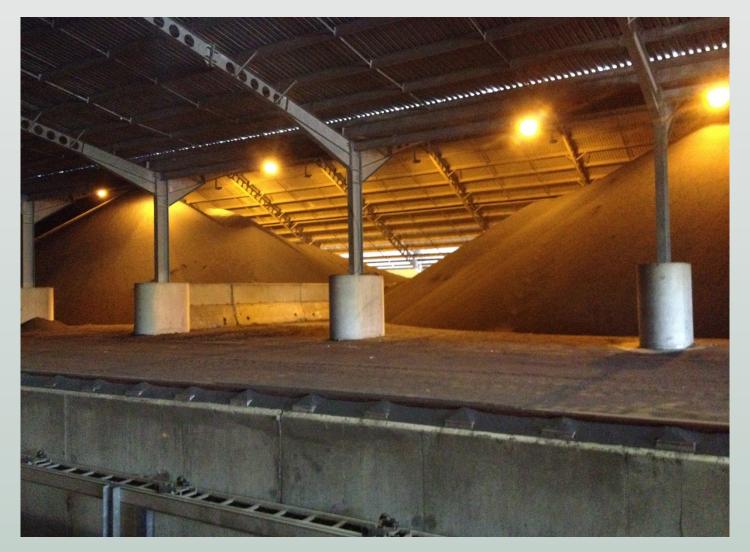
Complete; commissioning in progress (Piping to be finalised)

#### **Expansion Progress – Auxiliary Ilmenite Plant**



Complete; commissioning in progress

### **Expansion Progress – Product Storage**



Ilmenite store complete; in use

## **Upgrade Of Export Facilities**

2<sup>nd</sup> Wharf Added to Jetty

#### Northern Wharf Upgraded



#### Significant Increase in Loading Rates and Availability

## **TiO2 Feedstock & Zircon Market**

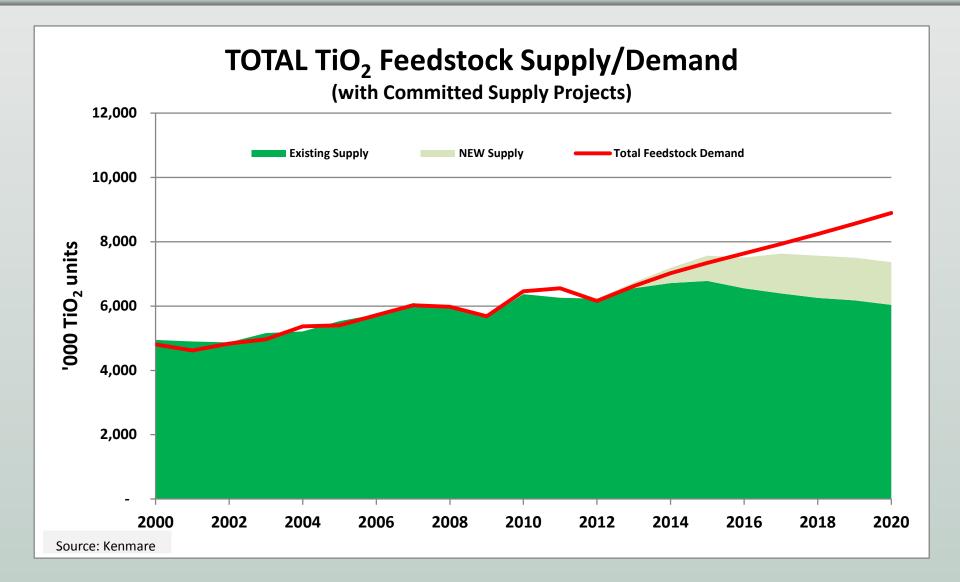
#### **TiO2 Feedstock**

- Strong demand in H1 2012 and good price traction
- H2 2012 demand was more subdued as pigment producers curtailed production and de-stocked
- De-stocking more pronounced for high grade feedstocks as pigment plants favoured greater use of ilmenite and slag
- Nonetheless ilmenite demand weakened by year-end and has continued into Q1 2013
- De-stocking expected to end during Q2 2013 driven by improving pigment environment
- > Medium to long term demand growth fundamentals are still sound

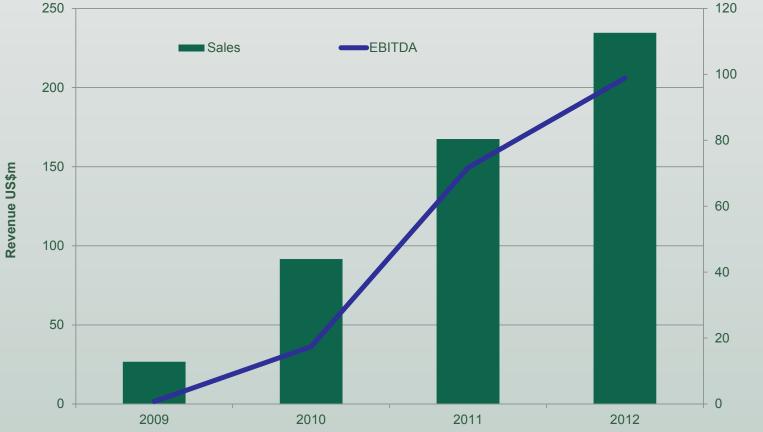
#### Zircon

- Difficult market conditions throughout 2012
- > Pricing held up initially but fell substantially since end of August
- Some pricing stability is returning to the market
- Improving demand outlook

#### **Ti0<sub>2</sub> Feedstock Supply/Demand**



### **Revenue & EBITDA 2009 – 2012**



## **2012 Income Statement Review**

	2012	2011	Comment on 2012
	US\$m	US\$m	
Revenue	234.6	167.5	Sales up 40% on 2011
CoS & Opex	(154.2)	(114.6)	Costs up 35% on 2011
Operating profit	80.4	52.9	
Net finance costs	(27.0)	(28.4)	\$7.0m paid & balance accrued
Foreign exchange loss	(0.6)	(6.3)	On Euro debt & SA Rand cash
Profit before tax	52.8	18.2	
Tax (charge) / credit	(3.3)	5.5	Deferred tax - applied losses
Profit after tax	<u>   49.5</u>	23.7	

- Blended product prices achieved up 50%, compared with 2011
- EBITDA: US\$98.9m (2011: US\$71.7m)
- EPS: USD 2.01c/share (2011: USD 0.99 c/share)

# **2012 Cash Operating Costs Review**

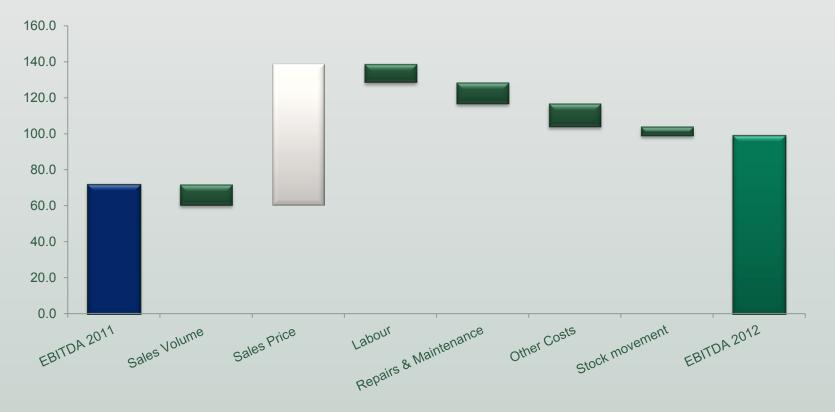
Cost of Sales	<b>US\$m</b> 134.5	US\$m
Other operating costs	19.7	154.2
Freight (CIF charged to customers) Total costs less freight		<u>(3.2)</u> 151.0
Non-cash costs:		
Depreciation	18.5	
Share-based payments	3.2	<u>(21.7)</u> 129.3
Inventory Movements:		
Finished Product Movements		<u>(5.9)</u>
Adjusted cash operating costs		123.4

Operating Costs – Principal Additional Drivers in 2012

Complex transition of WCP A to Dunal Plateau – Nearing top of dune

Two supplementary dry mining operations – One dry mining decommissioned

#### 2011 – 2012 EBITDA Bridge (US\$ millions)



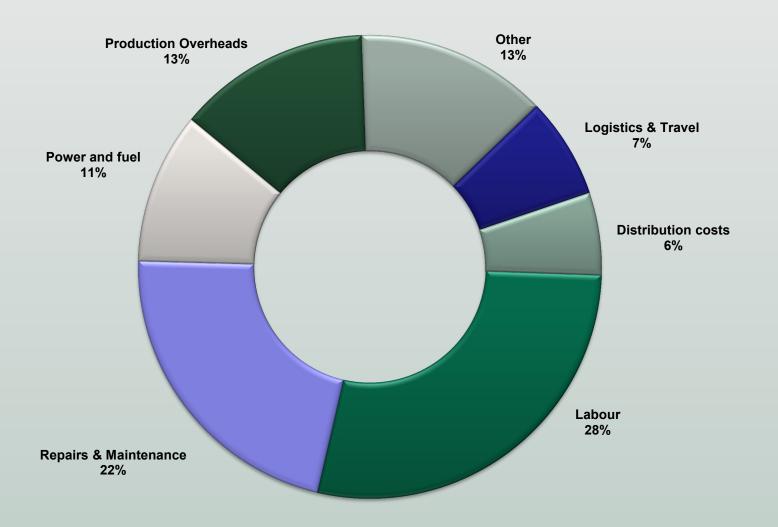
- EBITDA increase of 38%
- > 50% increase in average product prices
- > WCP A pond elevation costs and supplemental dry mining costs

23

**KENMARE** 

Higher labour and repairs & maintenance costs

## **2012 Cash Operating Costs**



24 KENMARE

## **2012 Balance Sheet Review**

	2012	2011	Comment on 2012 & movement
	US\$m	US\$m	
Property, plant & equipment	887.5	714.1	Largely expansion investment
Deferred tax asset	2.2	5.5	Used with increasing profitability
Inventories	22.4	25.8	Lower product stocks & higher spares
Trade & other receivables	35.7	38.8	No bad debts
Cash	46.1	77.3	Reduced due to expansion investment
Total assets	993.9	861.5	
Equity & reserves	605.6	495.4	2012 profit & share placing July '12
Bank loans	324.4	327.1	Repaying senior & roll-up Sub debt
Creditors & provisions	<u>    63.9</u>	<u> </u>	Increase in expansion creditors
Total equity & liabilities	<u>   993.9</u>	861.5	

Significant Balance Sheet movements are expansion related

## **Group Debt**

- Project Debt at 31 Dec. 2012: US\$324.4m (2011: US\$327.1m)
- Lenders: *Project Absa, KfW, FMO, EIB, EAIF & AfDB; Group Absa/Barclays*
- Guarantors: ECIC (of Absa), MIGA & Hermes (of KfW)
- Average project interest rate at Dec. 2012 was 8.7%
- Senior: US\$107m, floating @ LIBOR + 3.5% to 5.3%, fixed @ 5.45% to 7.45%. Senior maturities: 2015 - 2018.
- Sub: US\$217m, floating @ LIBOR + 5% to 8%, fixed @ 10%. Additional margin 1% to Completion (est. 2014). Sub maturities: 2019.
- Lenders agreed to extend US\$65m expansion funding from operating cashflow to June 2013
- US\$40m Absa/Barclays one-year renewable facility agreed March 2013

# **Trading Update**

- ▶ 40% revenue increase to US\$234.6m, up from US\$167.5m in 2011
- EBITDA US\$98.9m, up from US\$71.7m in 2011
- Profit after tax US\$49.5m, compared with US\$23.7m in 2011
- Mine operating safely: LTIFR rate 0.33pa vs. industry average 0.39pa
- Produced 574.4kt ilmenite and 46.9kt zircon
- Move to dunal plateau set to return mine to target output levels
- US\$40m Absa/Barclays one-year renewable facility in March 2013
- Phase II expansion in commissioning phase



Kenmare Resources plc Chatham House , Chatham Street Dublin 2, Ireland www.kenmareresources.com