

HY2024 results presentation

23 MAY 2024

tharisa



WHY MINING • WHY NOW • WHY THARISA



MINING

- “If it is not grown it is mined”
- Critical to supply into the clean energy transition
- Responsible and sustainable extraction of critical minerals and metals
- All metals are critical in their unique applications



NOW

- OECD forecasts that global materials demand will more than double in 2060
- Significant global competition for finite resources
- Lack of SIB and expansion capital
- Substantial capital investment needed in the sector



THARISA

- Mine builders and operators
- Multi-generational assets of strategic commodities
- Continuous value unlock through innovation and technology
- Technology enables new applications for our commodities



PRODUCTS

- Co-product commodities delivering into physical demand
- Designated critical minerals with high economic importance
- PGMs continue to clean the environment from catalysts to electrolyzers and fuel cells
- Chrome is what makes stainless steel stainless
- PGMs and chrome are more than 95% recyclable

CONTINUED MACRO ADVERSITY

HEADWINDS

MACRO

- Electricity constraints in South Africa
- Transport infrastructure challenges
- Geopolitical complexities
- Inflation / interest rate environment
- Volatile commodity price environment
- Crime and corruption
- Impact of climate change
- Fiscal and regulatory uncertainty
- Capital availability for mining projects

TAILWINDS

COMMODITIES

- Co-product business model
- Buoyant chrome commodity market
- Counter cyclical commodities in basket
- Fundamentals for both commodities are robust

MACRO

- Strong momentum behind hybrid drivetrains and hydrogen economy (benefits PGMs)
- Chinese stainless steel outlook is positive
- Primary supply constraints entrench growing deficits
- Capital investments in expansion and new projects deferred
- Weakening trend of ZAR to US\$ - offsetting inflationary pressure

**resilient
business
model**

10 YEARS LISTED ON THE JSE



THE VITAL NUMBERS

US\$1 344/oz

down 39.3%

PGM BASKET PRICE

US\$288/t

up 16.9%

MET GRADE PRICE

REVENUE

US\$369.1 m

up 10.1%
(HY2023: US\$335.3 m)

EBITDA

US\$79.6 m

down 2.0%
(HY2023: US\$81.2 m)

NET PROFIT AFTER TAX

US\$38.8 m

down 29.1%
(HY2023: US\$54.7 m)

NET CASH FROM OPERATING ACTIVITIES

US\$86.2 m

down 11.2%
(HY2023: US\$97.1 m)

CAPITAL EXPENDITURE

US\$114.1 m

includes US\$63.1 m on Karo Platinum
(HY2023: US\$49.3 m)

CASH AND CASH EQUIVALENTS*

US\$198.5 m

(FY2023: US\$269.0 m)

EPS

US 12.8 cents

down 26.4%
(HY2023: US 17.4 cents)

INTERIM DIVIDEND

US 1.5 cents

24.5% of NPAT**
(HY2023: US 3 cents)

SHARE REPURCHASE PROGRAMME

US\$5 m

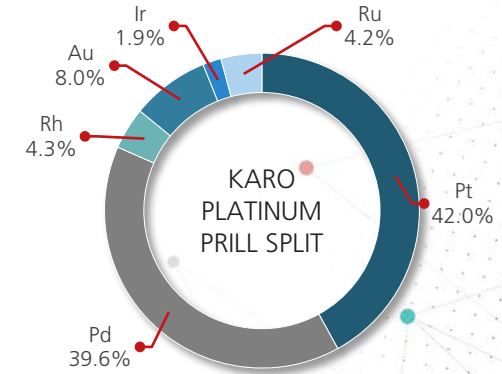
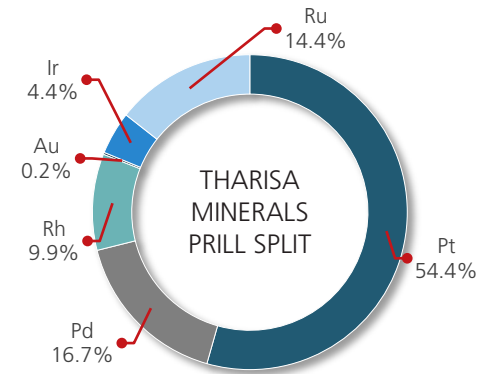
equivalent to US 1.7 cents per share

COMMODITIES

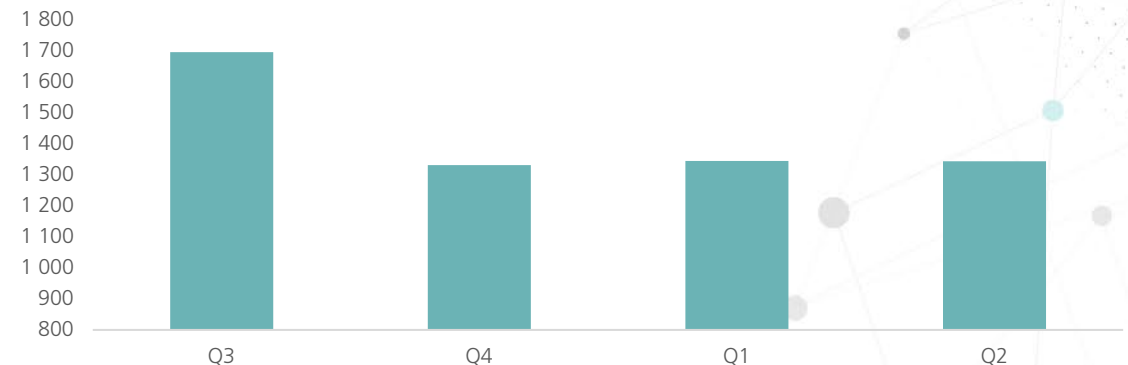
US\$1 460/oz
SPOT PGM BASKET PRICE

PGMS

- Primary supply reduction should be main catalyst for PGM price increases
- Recycling less of a supply contributor as vehicle ownership periods have extended – up to 14 years
- Buying patterns by automakers have started to normalise versus erratic buying in pandemic including inventory destocking
- Automotive sales up year on year to 92 million vehicles for 2023
- BEV slower uptake necessitating hybrid solution (PGM in catalysts and fuel cells) – visible in slower EV uptake and PHEV growth in 2023
- Grid infrastructure roll-out delays necessitating hybrid solutions
- Deficits in Rh, Ir and Ru, Pd to remain, Pt heading towards a record deficit
- ICE remains a major demand driver with Tier 4 and Euro 7 emissions standards still to come
- Hydrogen economy to provide multi decade PGM demand



PGM PRICING - THARISA MINE
(US\$/oz)



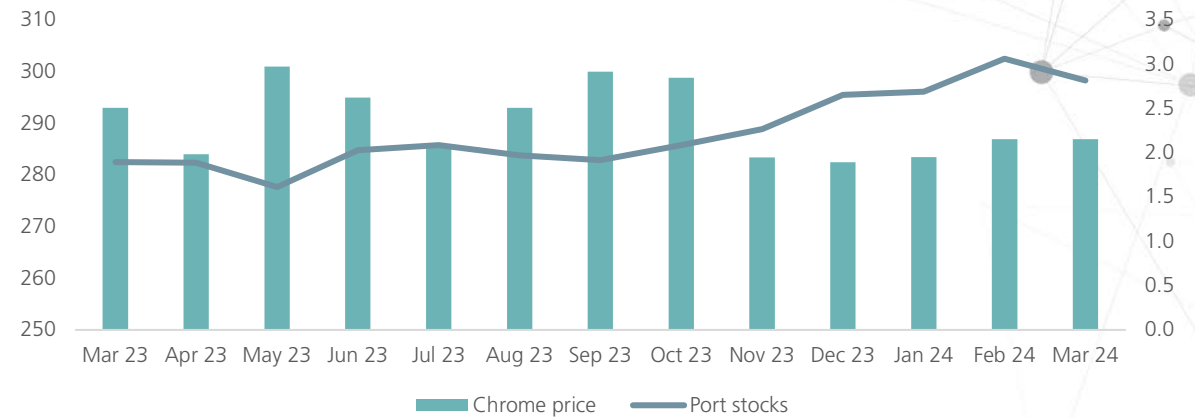
COMMODITIES

CHROME

- No substitution for chrome in stainless steel production
- Stainless steel demand growth for 2023 of ~5%, Chinese production increased 12.6% for 2023
- Chrome prices remain robust on the back of low port stocks and growing stainless steel demand
- South Africa supplies 80% of China's chrome needs, China has no own chrome reserves
- Tharisa supplies ~10% of China and Indonesia's chrome demand

METALLURGICAL GRADE PRICE AND PORT STOCKS

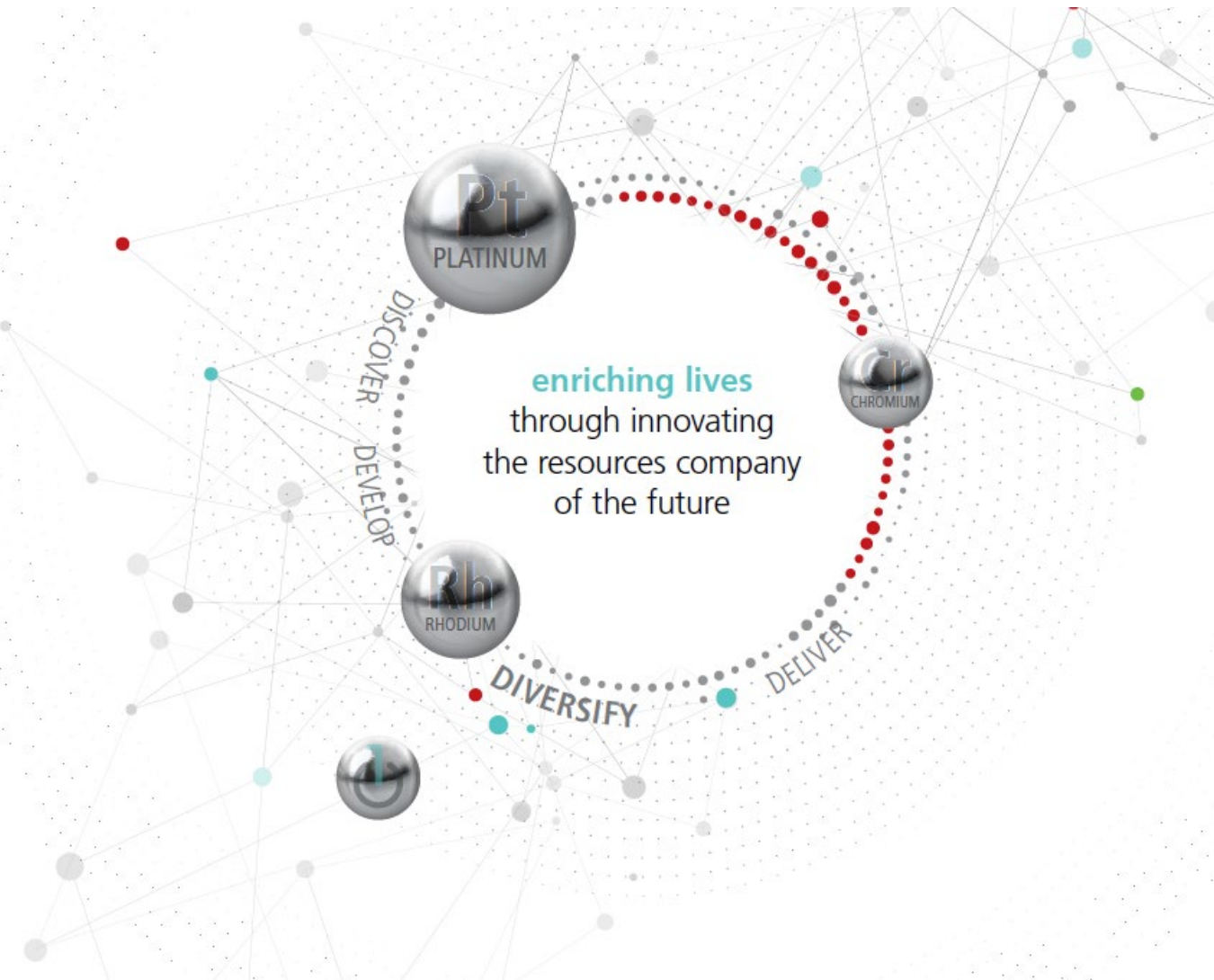
(US\$/t) and (Mt)



STRATEGY



VISION 2025



enriching lives through innovating the resources company of the future



EXPANSION

expand and roll out the business sustainably



OPTIMISATION

optimise existing operations



INNOVATION

continue to invest in innovative thinking



DIVERSIFICATION

become a globally diversified business



INVESTMENT

be the investment of choice in our chosen sector



ENRICHMENT

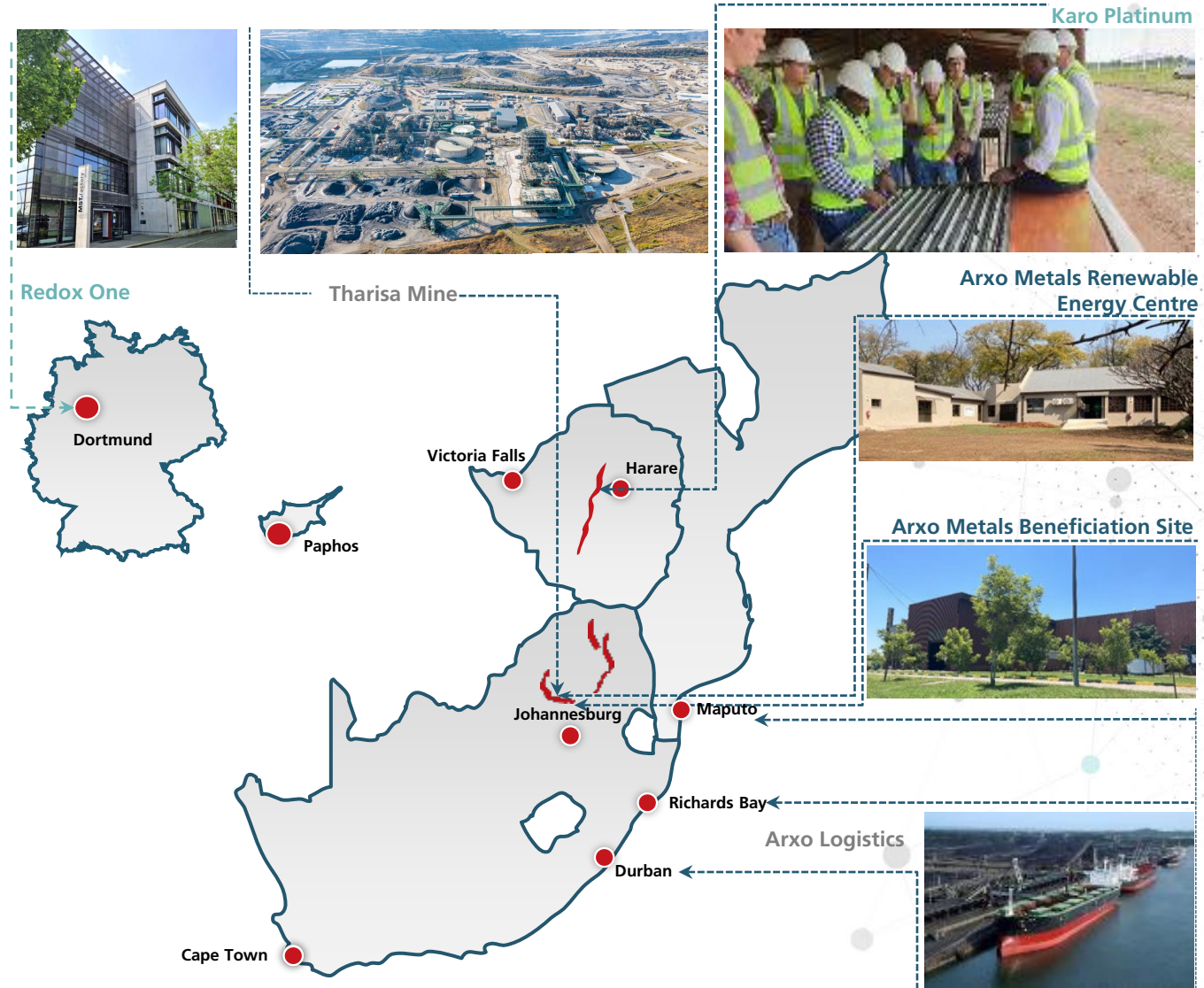
responsibly enrich the lives of all our stakeholders

39.4 Moz & 11.3 Moz
IN CONTAINED PGMS (6E)

166.2 Mt
IN CONTAINED CHROME

SECURITY OF RAW MATERIAL SUPPLY THROUGH SHALLOW MULTIGENERATIONAL MINERAL ASSETS, ENABLED BY TECHNOLOGY AND INNOVATION

COMPLEMENTED BY PIT TO PORT STRATEGY



THARISA MINERALS

UNLOCKING STRATEGIC VALUE AND FLEXIBILITY

- LTIFR 0.05 per 200 000 man hours worked
- Reef tonnes mined 2.1 Mt, down 0.8%
- Reef milled 2.8 Mt, up 0.2%
- PGM production 71.1 koz, down 7.7%
- Chrome production 865.6 kt, up 9.9%
- Accelerating underground studies, ensuring sustainable multigenerational operations



KARO PROJECT

MULTIGENERATIONAL PGM DEVELOPMENT ASSET – LONG TERM STRATEGIC VIEW THROUGH THE CYCLE

- LTIFR 0.11 per 200 000 man hours worked
- Construction continues steadily with value engineering running in parallel
- Finalising fiscal regime necessary for a tier one project
- Current market conditions also impacting funding workstreams and timeline for delivery
- Measured decision to slow down construction to smaller packages aligned with funding
- Project expenditure to date of US\$110.5 m with outstanding commitment by Tharisa of US\$70 m



AN ETHOS OF INNOVATION

ARXO METALS BENEFICIATION SITE

- Commercial pyrometallurgical site – producing novel alloys
 - Unique PGM refining process proven
-

ARXO METALS TECHNOLOGY DEVELOPMENT CENTRE

- Facility to run laboratory and pilot scale test work – downstream focus
-

ARXO METALS RENEWABLE ENERGY CENTRE

- Focusing energy generation and storage solutions using our commodities
 - Different renewable technologies are being demonstrated
-

REDOX ONE

- Launched at African Energy Indaba in March 2024
- Long duration energy storage using FeCr redox flow batteries being demonstrated



MINE TO MEGAWATT



DECARBONISATION PATHWAYS

- Electrification (solar project)
- Circularity (use of our metals)
- Novel technologies (long duration energy storage solutions – Redox One)
- Innovative processes, products and practices (our core)
- OEM collaboration on new drive train technology



CIRCULAR ECONOMY

- Producing lower carbon minerals
- All metals will be in demand for a decarbonised world
- See shifting dynamics with demand for battery/cleaner solutions move to the forefront
- Metals with multiple applications to be the winners
- Metals with a firm/stable supply outlook to be favoured as downstream has certainty



PGMS

- Catalytic properties
- Slower BEV uptake, hybrid solutions increase in uptake
- Use in PEM for hydrogen economy and fuel cell technology



CHROME

- Stainless steel requirement in renewable energy generation (solar, wind, nuclear, geothermal, hydroelectric and nuclear)
- Stainless steel finished products reach almost all sectors
- Renewable energy technologies applications

FINANCIAL HIGHLIGHTS



FINANCIAL RESILIENCE THROUGH OUR CO-PRODUCTION MODEL



MULTI COMMODITIES

- Co-production model
- Polymetallic basket of strategic minerals
- Cost competitive producer from shallower resources



CASH FLOW GENERATIVE

- Net cash flows from operations of US\$86.2 m



CAPITAL DISCIPLINE

- Share repurchase programme of US\$5 m
- Interim dividend US 1.5 cents
- Continuous investment through the cycle



CONTINUED INVESTMENT

- Technology and downstream beneficiation investment progressing towards commercialisation

MULTI COMMODITY REVENUE STREAM

US\$369.1 m

Revenue increase of 10.1%

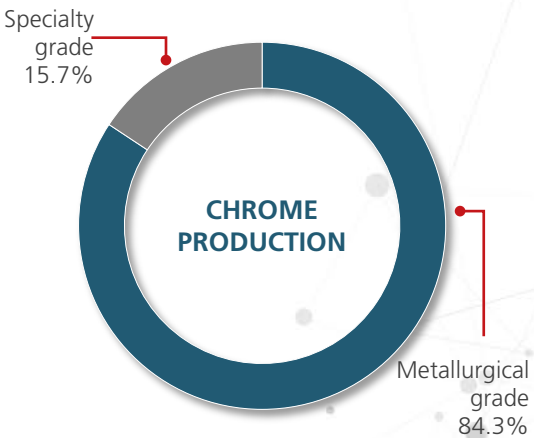
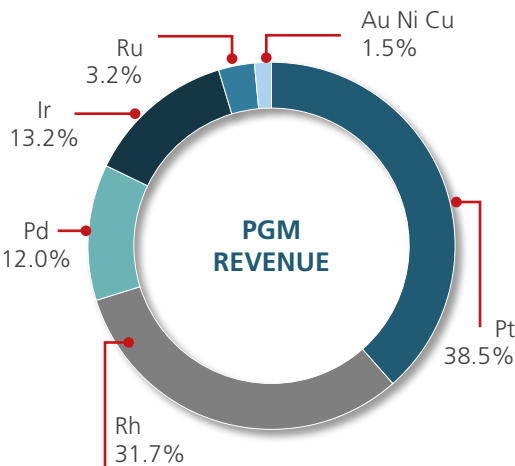
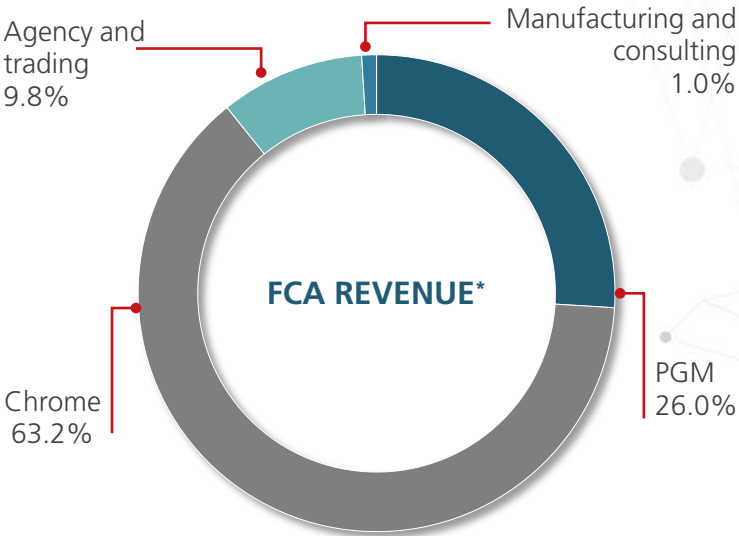
Benefits of co-production model

PGM sales of 70.6 koz

Average PGM basket price of US\$1 344/oz

Metallurgical grade chrome sales of 801.8 kt

Average chrome price of US\$288/t



*net of inland logistics and freight costs

EBITDA WATERFALL

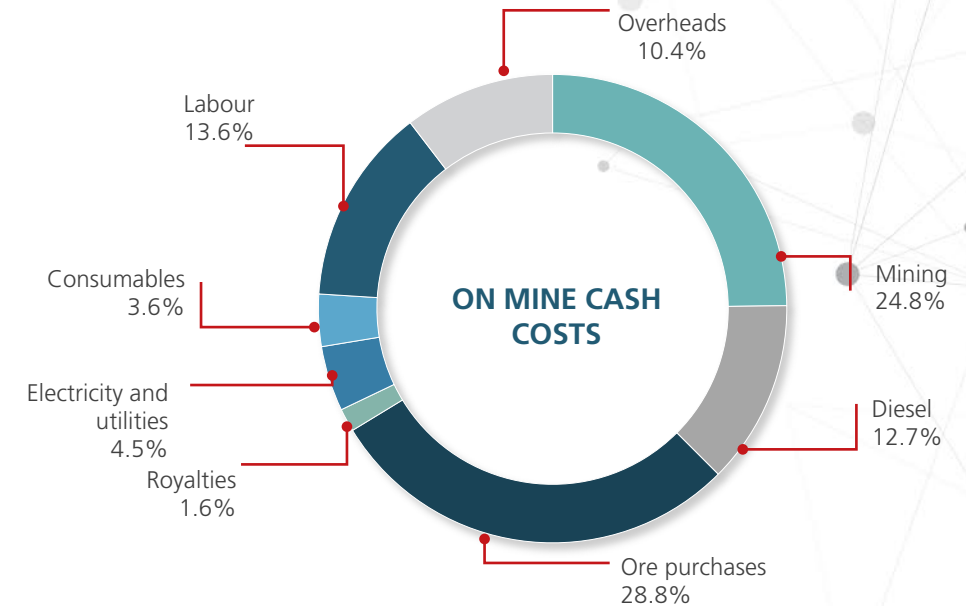


UNIT COSTS

	Units	HY2024	HY2023	% change
Cubes mined	Mm ³	8.7	7.3	19.2
Cost per cube mined*	US\$/m ³	10.6	10.9	(2.8)
Reef tonnes mined	Mt	2.1	2.1	
Cost per reef tonne mined*	US\$/t	44.1	37.7	17.0
Tonnes milled	Mt	2.8	2.8	
On mine cash cost per tonne milled [#]	US\$/t	56.8	48.2	17.8
Consolidated cash cost per tonne milled [#]	US\$/t	63.0	53.6	17.5
Chrome inland logistics and freight costs	US\$/t	81.3	82.5	(1.4)
Exchange rate	US\$:ZAR	18.8	17.7	6.3
All in cost per Pt ounce sold [^]	US\$/oz	754.6	(1 522.4)	
All in cost per PGM ounce sold (6E) [^]	US\$/oz	1 059.3	472.9	

Deferred stripping of US\$31.5 m (HY2023: US\$8.7 m)

*inclusive of deferred stripping and exclusive of ore purchases [#]exclusive of capitalised deferred stripping and selling expenses and inclusive of ore purchases
[^]All in cost calculated on byproduct basis includes operating cost, administration costs, deferred stripping and capital

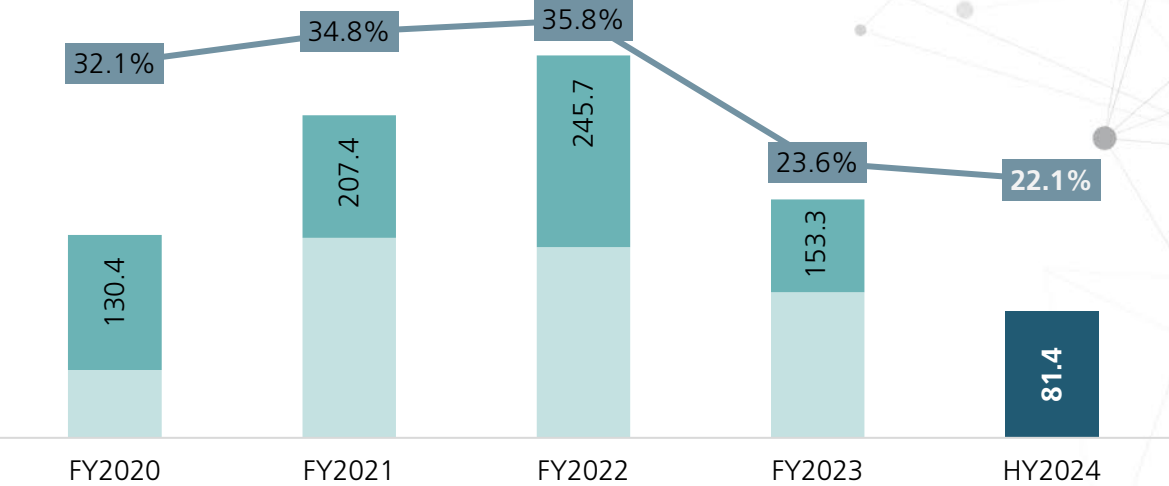


RESILIENT GROSS PROFIT

US\$81.4 m
Gross profit decrease of 13.0%

Weakening ZAR to US\$ exchange rate of 6.3% partially offset inflation
Stable gross profit margins despite ZAR input cost pressures

GROSS PROFIT AND MARGIN
(US\$ m)



PGM price (USD/oz)	1 704	3 074	2 564	1 893	1 344
Chrome price (USD/t CIF China)	140	154	209	263	288
Exchange rate (ZAR:US\$)	16.2	14.8	15.8	18.2	18.8

INVESTING IN THE FUTURE

US\$114.1 m

Total capital spent

Sustainable operations enabled by continued investment in asset base

Includes:

- US\$63.1 m capital spent on Karo Platinum
- US\$31.5 m on deferred stripping

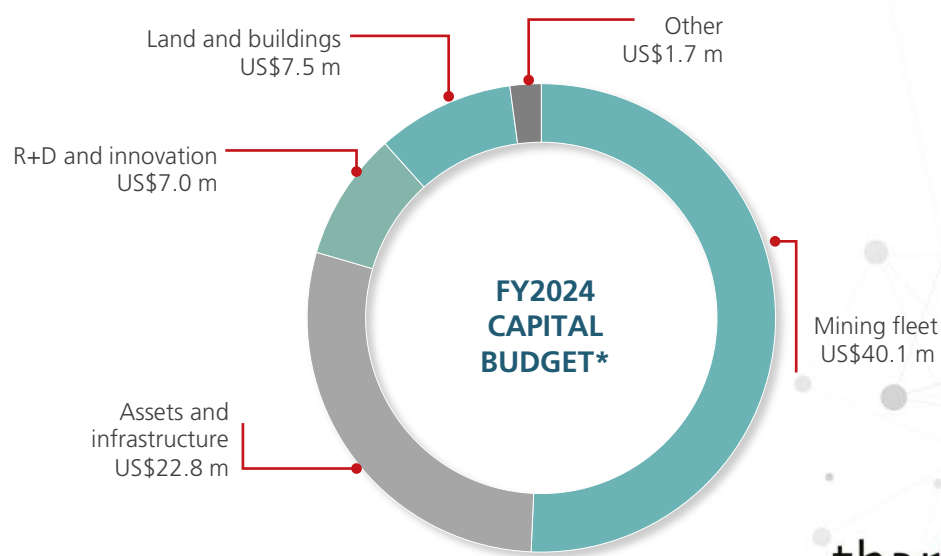
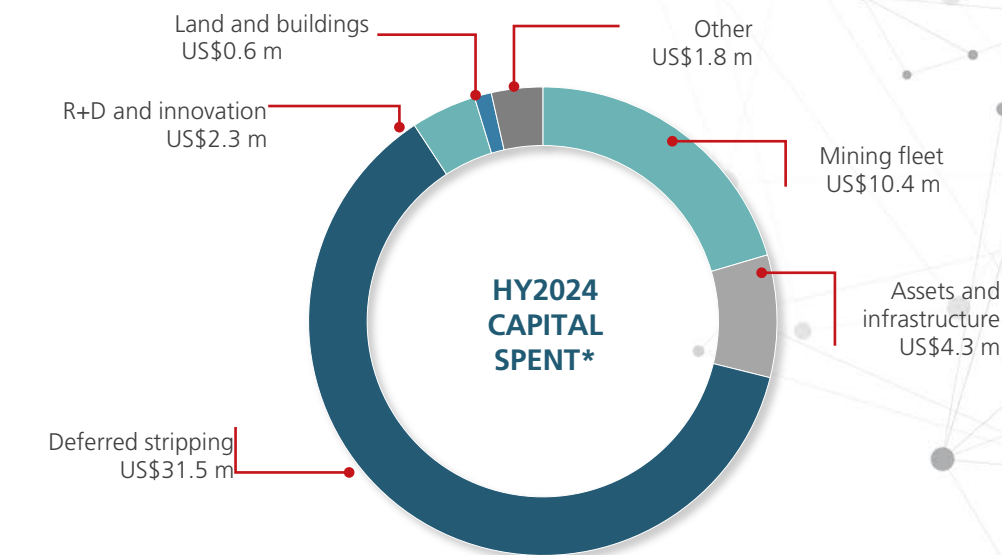
US\$79.1 m

Capital budget for FY2024 excluding Karo Platinum

Excluding deferred stripping

Karo Platinum capital for next six months of ~US\$38 m

Karo Platinum total project capital of US\$391 m + ~10% for extended schedule



*excluding Karo Platinum

BALANCE SHEET

US\$198.5 m

Cash and cash equivalents*

Cash generative despite PGM pricing environment and inflationary pressures
Net cash flow from operations of US\$86.2 m
Net cash of US\$86.3 m*

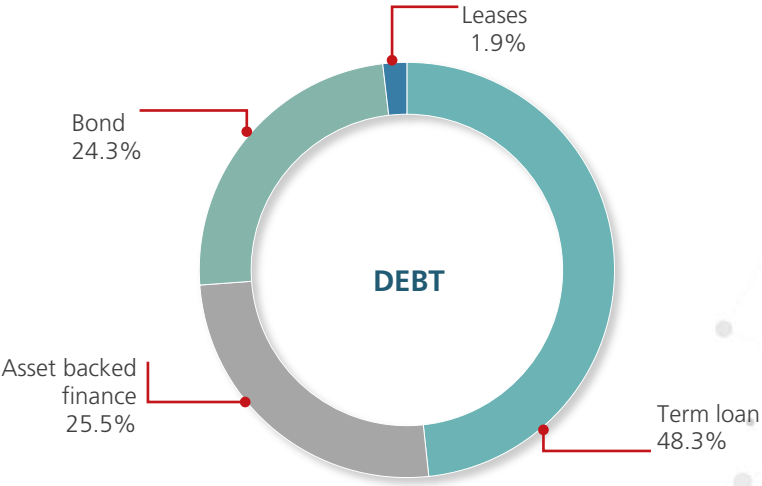
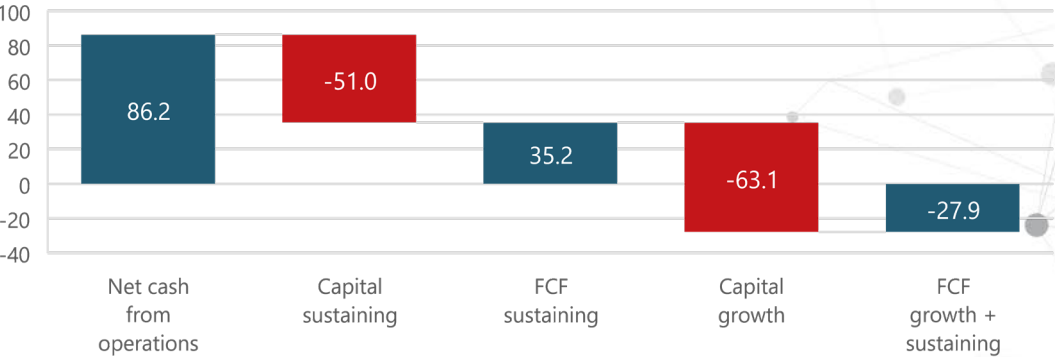
US\$112.3 m

Total debt

Short term US\$49.4 m
89.4% US\$ denominated and 10.6% ZAR denominated
Current ratio of 2.1
Net debt to EBITDA of (1.1x)
Net debt to equity (11.0%)
Undrawn facilities of US\$80.6 m and US\$20 m in trade finance

*including amounts held in restricted bank deposits

FREE CASH FLOW (US\$ m)



RETURNS TO SHAREHOLDERS

US 1.5 cents

Interim dividend

24.5%* of NPAT including share repurchase programme underway
Policy minimum of 15% of NPAT

US\$5 m

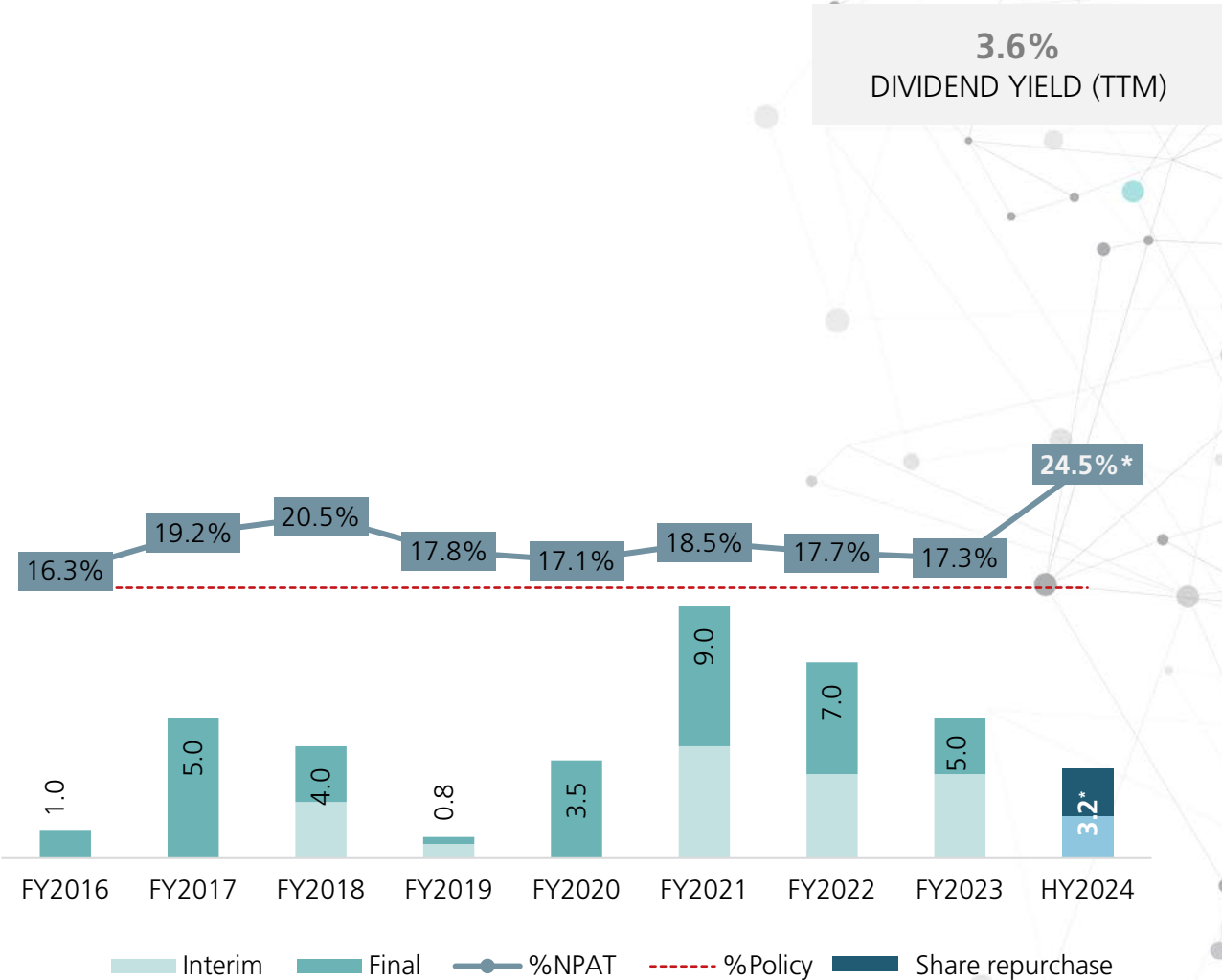
Share repurchase programme

Equivalent to US 1.7 cents per share
192 813 shares repurchased to date

US\$100.6 m

Cumulative distributions to shareholders over 9 years

Commitment to capital discipline



*inclusive of share repurchase programme underway

GUIDANCE & VALUE PROPOSITION



GUIDANCE

FY2024 GUIDANCE

- PGMs (6E basis) of 145 koz to 155 koz
- Chrome concentrates of 1.7 Mt to 1.8 Mt



LONG TERM VALUE PLAY

Critical commodities

Co-producer of PGMs and chrome concentrates, mine two commodities critical to a sustainable future

Output to double at multigenerational assets

Multi decade production growth at Tharisa and Karo under development, our PGM output is set to nearly double. With significant chrome production, multigenerational access to critical metals

Operational flexibility

Mechanised operations, consistent shallow tabular orebody, replicating the operational makeup at Karo

Diversification, beneficiation and energy transition

Maximising the value of our commodities by using innovation and technology

Integrated marketing and sales with logistical support

Capturing margin across the value chain in our pit to port strategy

Capital discipline

Continued to allocate across SIB, growth capital and returns to shareholders



**THARISA IS AN END TO END CRITICAL METALS AND ENERGY
SOLUTION PROVIDER INNOVATING THE RESOURCES COMPANY
OF THE FUTURE**



15 years

operations

10 years

cash generative

9 years

profitable

~US\$100 m

returned to
shareholders

~US\$695 m

capital invested



QUESTIONS

DISCLAIMER

These Presentation Materials are for information purposes only and must not be used or relied upon for the purpose of making any investment decision or engaging in any investment activity. Whilst the information contained herein has been prepared in good faith, neither Tharisa plc (the 'Company') and its subsidiaries (together, the 'Group') nor any of the Group's directors, officers, employees, agents or advisers make any representation or warranty in respect of the fairness, accuracy or completeness of the information or opinions contained in this presentation and no responsibility or liability will be accepted in connection with the same. The information contained herein is provided as at the date of this presentation and is subject to updating, completion, revision, verification and further amendment without notice.

These Presentation Materials contain forward-looking statements and information in relation to the Group. By its very nature, such forward-looking statements and information require the Company to make assumptions that may not materialise or that may not be accurate. Such forward-looking information and statements involve known and unknown risks, uncertainties and other important factors beyond the control of the Company that could cause the actual performance or achievements of the Company to be materially different from any future results, performance or achievements expressed or implied by such forward-looking information and statements. Nothing in this presentation should be construed as a profit forecast. Past share performance cannot be relied on as a guide to future performance.