



Interim results for the six months ended 31 December

**6 March 2023**

**2022**



“

***Headline earnings for 1H F2023 increased by 40% to R5.2 billion (1H F2022: R 3.7 billion) and we declared an interim dividend of R14.00 per share.***

***Our financial position remains robust with net cash of R9.6 billion at 31 December 2022, after settling the acquisition price for Bokoni Mine in cash.***

***Dr Patrice Motsepe, Executive Chairman***

”

## **Disclaimer**

Throughout this presentation a range of financial and non-financial measures are used to assess the company's performance, including, but not limited to financial measures that are not defined under International Financial Reporting Standards (IFRS). These adjusted financial measures are included for illustrative purposes and are the responsibility of the Board of Directors. They should be considered in addition to, and not as a substitute for, or as superior to, measures of financial performance, financial position or cash flows reported in accordance with IFRS.

Rounding of figures may result in minor computational discrepancies.

All photographs were taken prior to the onset of Covid-19 and thus may include people without masks.

## **Forward looking statements**

Certain statements in this report constitute forward looking statements that are neither reported financial results nor other historical information. They include but are not limited to statements that are predictions of or indicate future earnings, savings, synergies, events, trends, plans or objectives. Such forward looking statements may or may not take into account and may or may not be affected by known and/or unknown risks, unpredictables and other important factors that could cause the actual results, performance and/or achievements of the Company to be materially different from the future results, performance or achievements expressed or implied by such forward looking statements. Such risks, unpredictables and other important factors include among others: economic, business and political conditions in South Africa; decreases in the market price of commodities; hazards associated with underground and surface mining; labour disruptions; changes in government regulations, including environmental regulations; changes in exchange rates; currency devaluations; inflation and other macro-economic factors; and the impact of the health-related epidemics and pandemics, including Covid-19, HIV and Aids in South Africa. These forward-looking statements speak only as of the date of publication of these pages. The Company undertakes no obligation to update publicly or release any revisions to these forward-looking statements to reflect events or circumstances after the date of publication of these pages or to reflect the occurrence of unpredictable events.





Black Rock Mine Operations

## Overview of results

Dr Patrice Motsepe  
Executive Chairman

we do it better

## Lost Time Injury Frequency Rate (LTIFR)\*



**22% to 0.28**

(1H F2022: 0.36)

*\* LTIFR per 200 000 man-hours*

## Total Recordable Injury Frequency Rate (TRIFR)\*\*



**5% to 0.62**

(1H F2022: 0.67)

*\*\* TRIFR includes the number of fatal injuries, number of lost time injuries and number of medical cases*

## Fatalities

**1 fatality at Two Rivers Mine**

(1H F2022: 1 fatality at Two Rivers Mine)

## Safety highlight

Post the period end

**Black Rock Mine**

achieved **11 million fatality-free shifts**  
over approximately **14 years**.

**We remain committed to creating and maintaining a safe and healthy working environment.**

# Headline earnings

## ARM Ferrous

4% to  
**R2.5 billion**

(1H F2022: R2.4 billion)

## ARM Platinum

7% to  
**R1.3 billion**

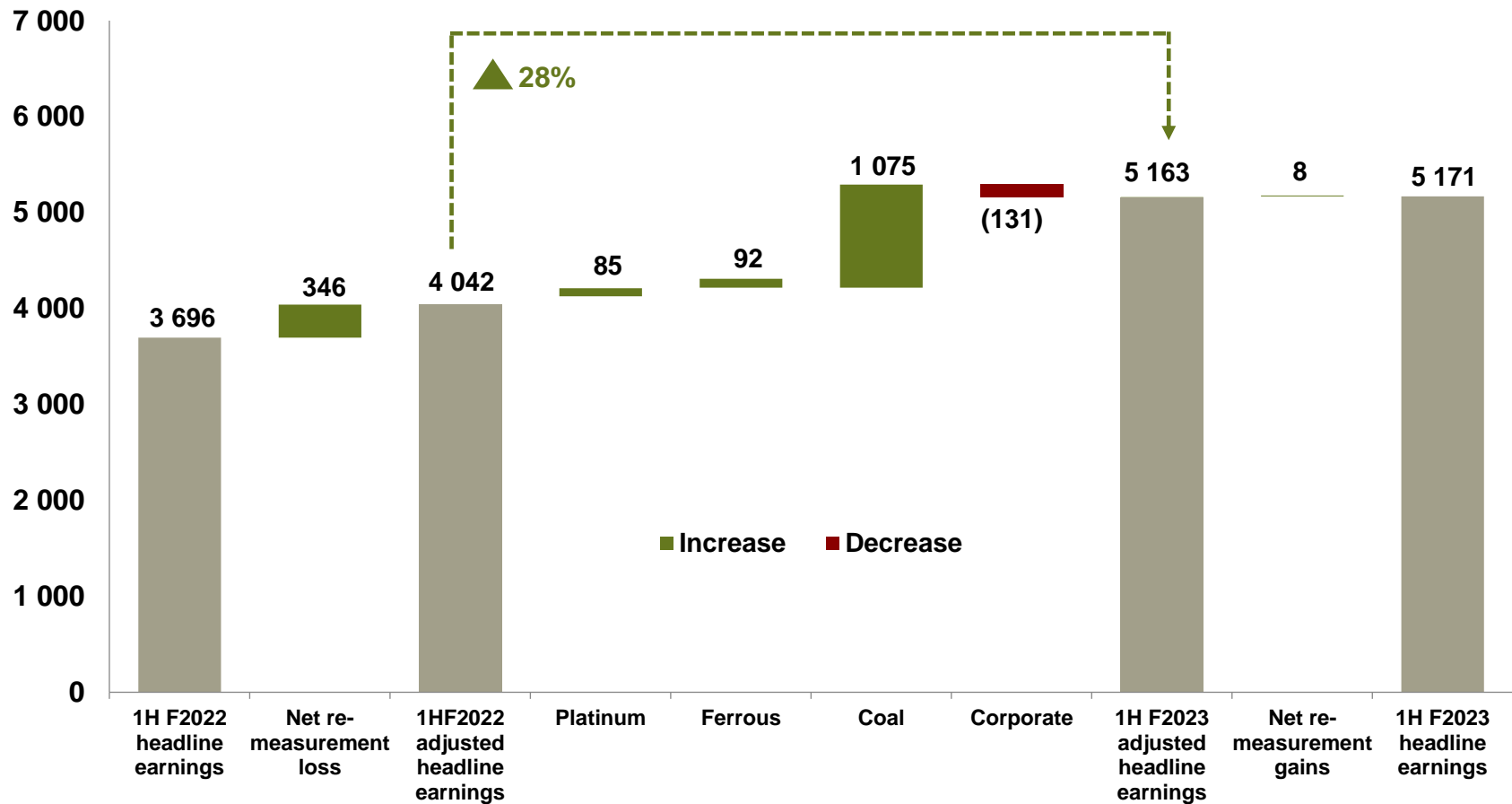
(1H F2022: R1.2 billion)

## ARM Coal

by R1 billion to  
**R1.4 billion**

(1H F2022: R351 million)

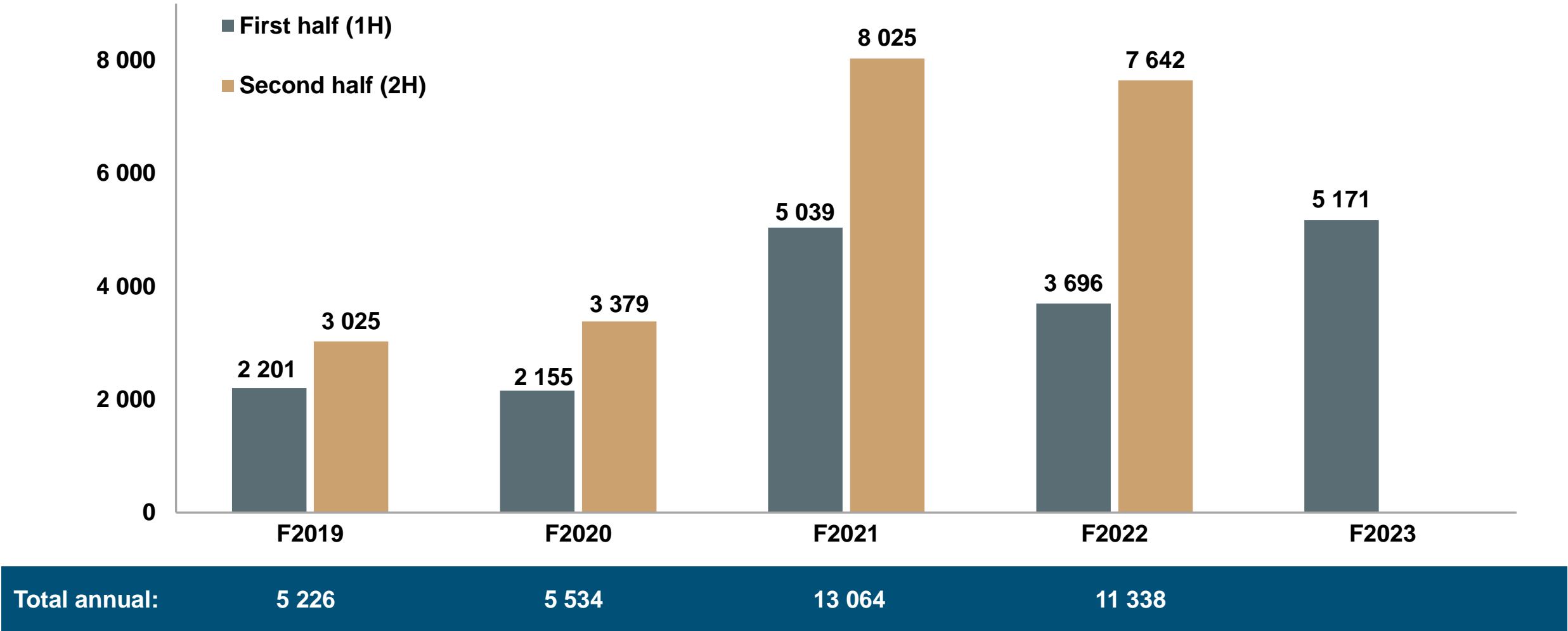
## ARM Group (R million)



Adjusted headline earnings exclude re-measurement gains and losses. The table on slide 37 summarises these gains and losses for the current and corresponding periods. The adjusted headline earnings are included for illustrative purposes and have been considered by the board. They should be considered in addition to, and not as a substitute for measures of financial performance, financial position or cash flows reported in accordance with IFRS.

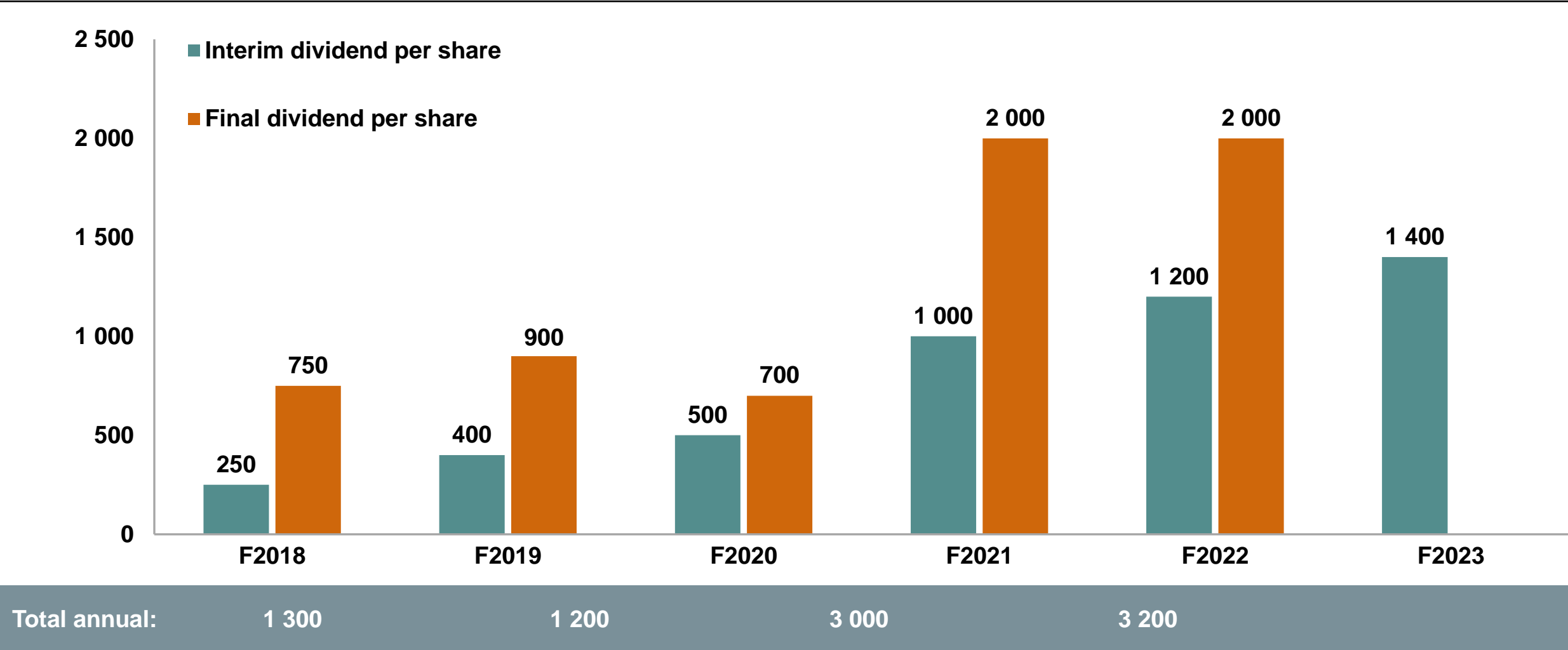


# Six-monthly headline earnings\* (R million)



\* The F2019 to 1H F2023 headline earnings include re-measurement gains and losses. Re-measurement gains and losses for the current and corresponding half year periods are detailed on slide 37 of this presentation.

# Dividends per share (cents)



We are committed to balancing growth and dividends while maintaining a robust financial position.



# Dividends received<sup>6</sup>

## Dividends received from Assmang<sup>1</sup>

**R3.5 billion**

(1H F2022: R3.5 billion)

*1. Post the period end, Assmang declared a dividend of R3 billion (100% basis). ARM's attributable portion of this dividend was R1.5 billion.*

## Distributions received from ARM Coal<sup>3</sup>

**R1 144 million<sup>2</sup>**

1H F2022: nil

*2. Refers to distributions received as part settlement for loans owed by ARM Coal to ARM.  
3. Post period end, ARM received R459 million from ARM Coal as part settlement for shareholder loans owed to ARM and R598 million from PCB as a dividend.*

## Dividends received from ARM Mining Consortium<sup>4</sup>

**R500 million**

(1H F2022: R415 million)

*4. ARM Mining Consortium (ARMMC) owns 50% of Modikwa Mine and is owned 83% by ARM Platinum (Pty) Ltd and 17% by communities neighboring Modikwa Mine. In 1H F2023 Modikwa Mine paid a dividend of R525 million to ARMMC and ARMMC paid a R500 million dividend to ARM Platinum which is being retained at ARM Platinum mainly to part fund the development of Bokoni Mine.*

## Dividends received from Two Rivers Mine

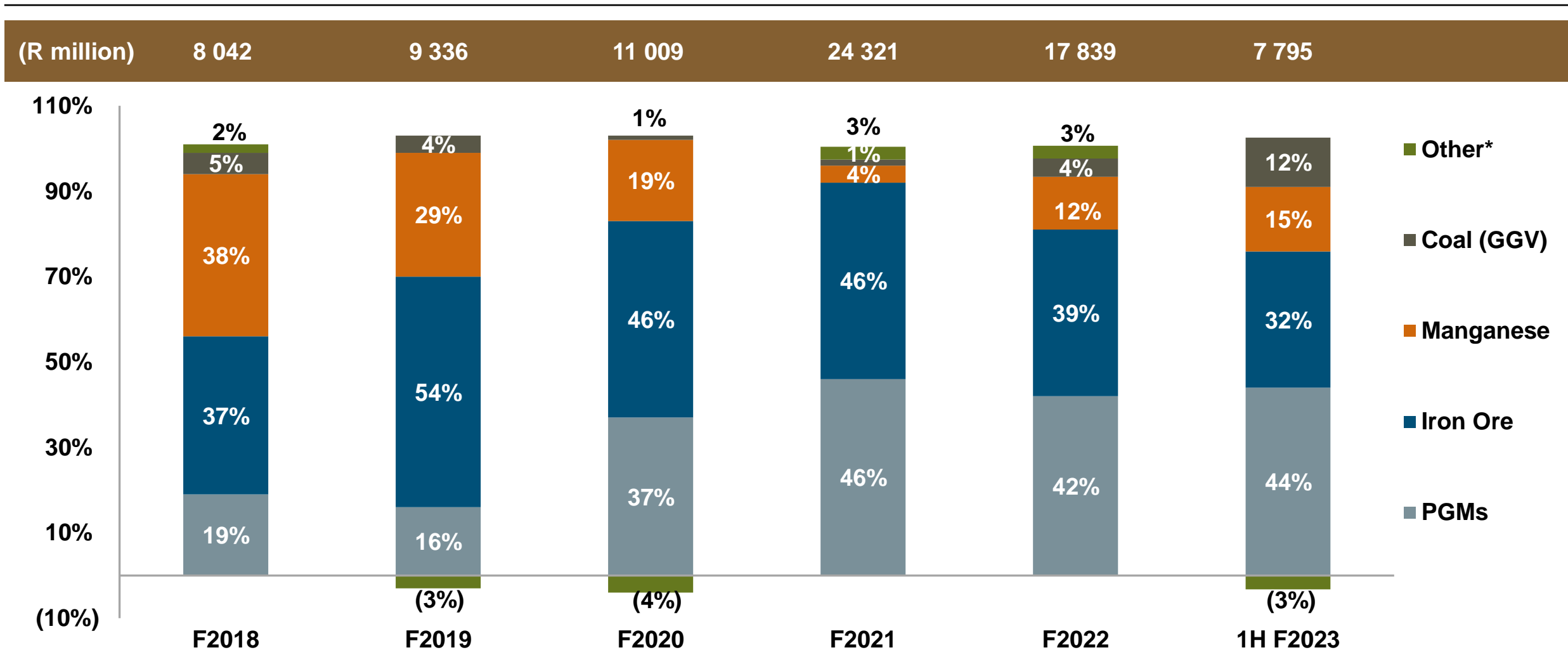
**R432 million<sup>5</sup>**

(1H F2022: R459 million)

*5. At 31 December 2022, Two Rivers Mine had cash and cash equivalents of R1 381 million most of which has been retained for the purposes of funding the Two Rivers Merensky Project.*

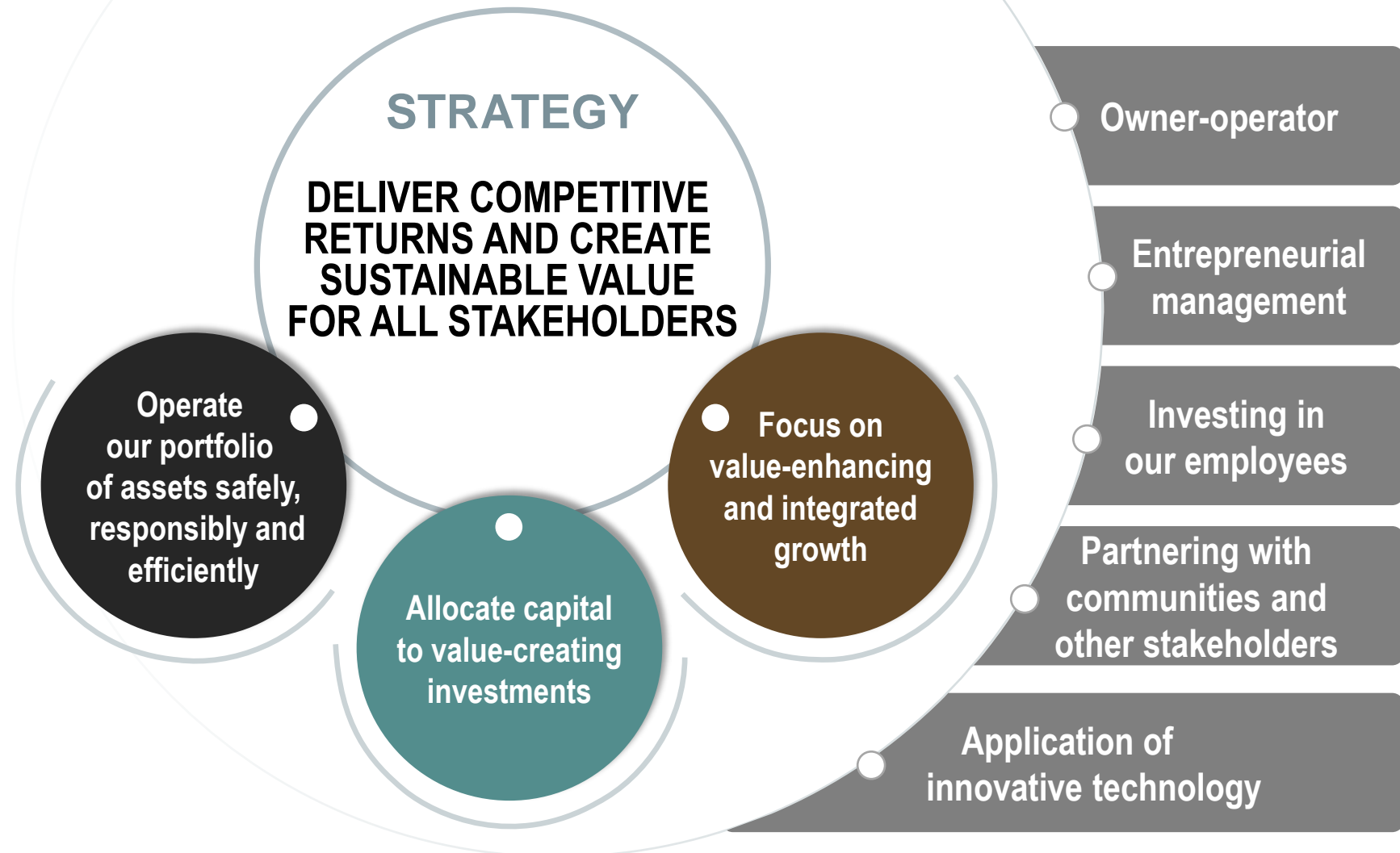
*6. ARM received a dividend of R17 million from Harmony (1H F2022: R20 million).*

# Segmental EBITDA split by commodity (%)



Significant segmental EBITDA contribution from PGMs and iron ore

\* Other is made up of chrome, nickel and ARM Corporate



# Growth projects

Definitive feasibility study progressing well and is expected to be completed June 2023

R1 billion of capital to deliver early ounces using existing infrastructure at Bokoni Mine.

## Bokoni Platinum Mine

Plant commissioning in Q3 F2024

Capital costs for the project increased by R1.5 billion owing to scope changes and geotechnical and global procurement challenges. The project remains competitive and accretive to Two Rivers Mine.

## Two Rivers Merensky Project

More than 95% complete

The Black Rock Project was completed and handed over to the operations in September 2022. The Gloria Project is 95% complete.

## Black Rock and Gloria projects

Successfully commissioned

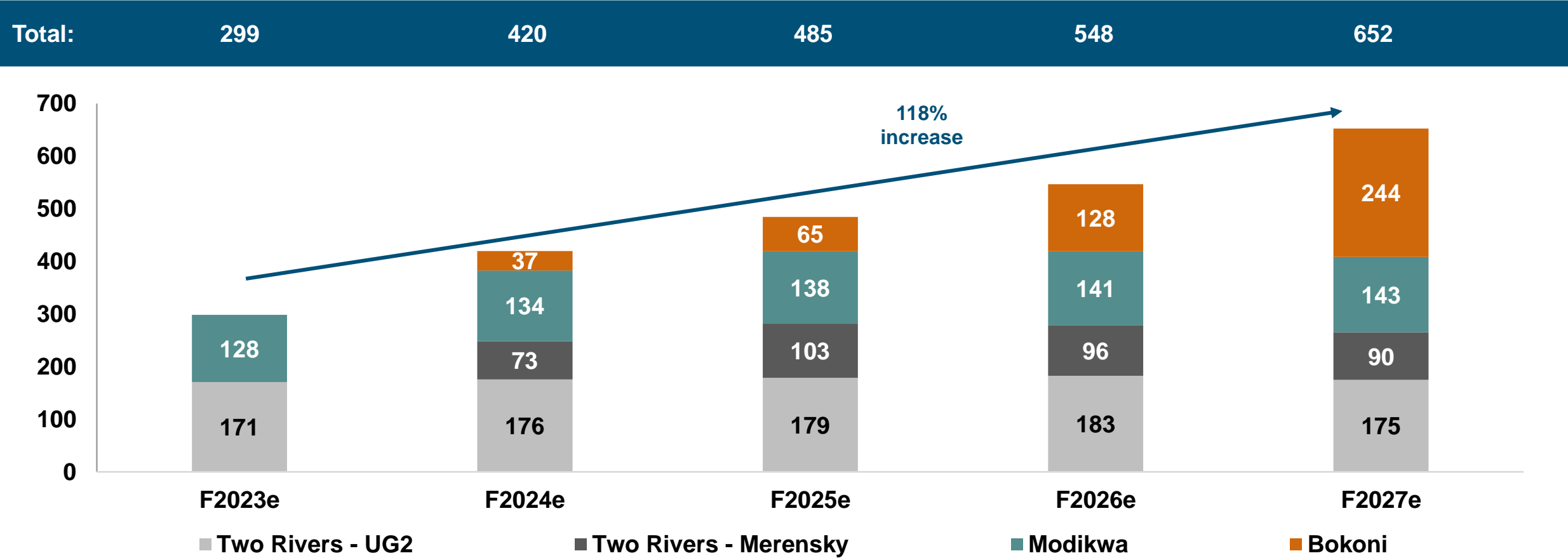
Additional 40 000 tonnes per month milling capacity which will partially mitigate the impact of lower PGM grades from split reef.

## Two Rivers Plant expansion



# Strong PGM growth expected

(thousand 6E PGM ounces – attributable to ARM)



The above forecasted PGM production profile is based on approved projects as well and unapproved projects under consideration.

The development of Bokoni Mine and the Two Rivers Merensky Project provides over 100% growth in ARM’s attributable PGM 6E ounce profile over the next 5 years. ARM is investing in brownfields projects to unlock value from the large, high-quality resources in its portfolio.





Khumani Mine

# Operational review

**Chief Executive Officer:  
Mike Schmidt**

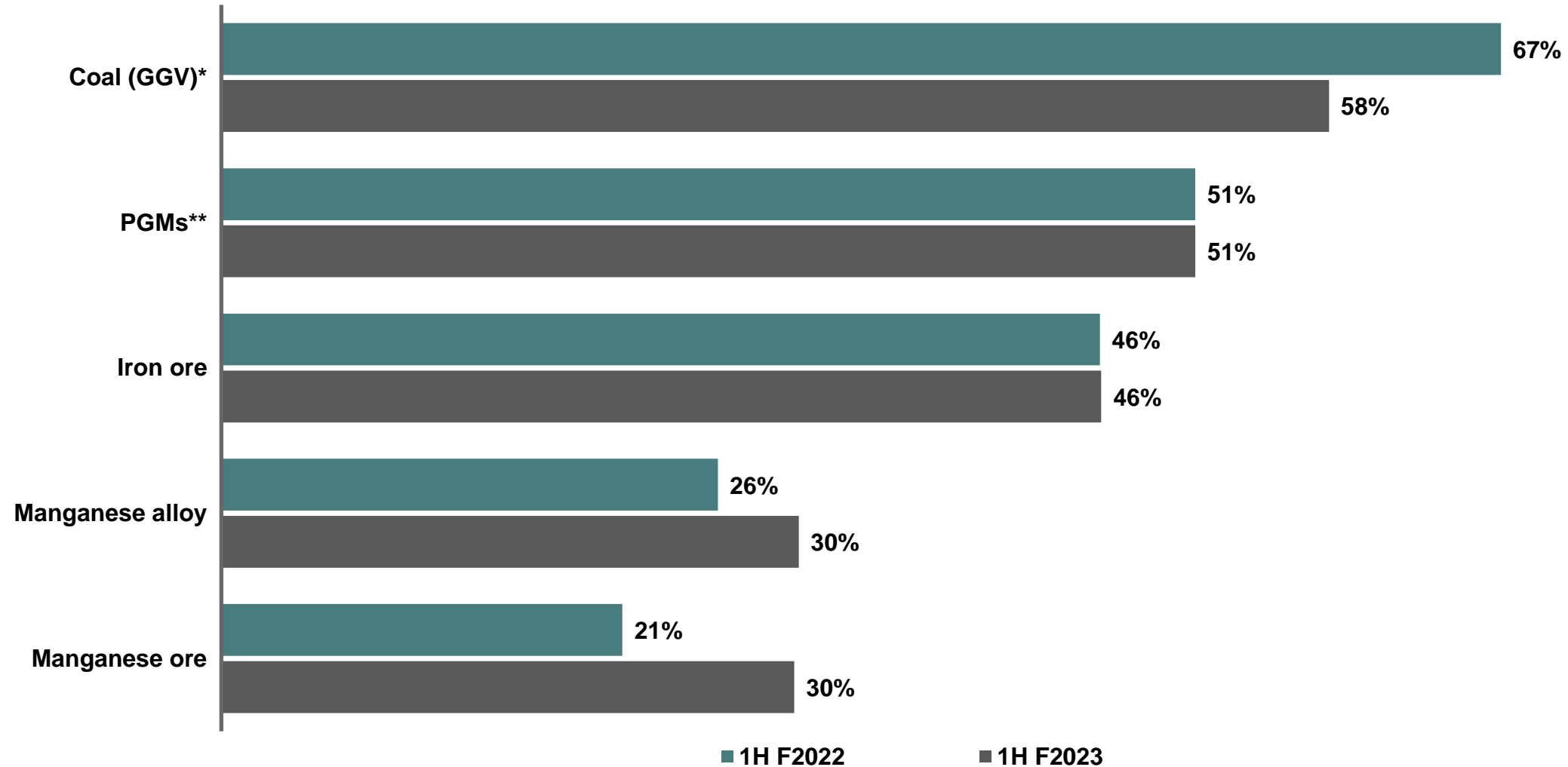
**we do it better**



# Headline earnings/(loss) by division / operation (R million)

	1H F2023	1H F2022	% change
<b>ARM Ferrous</b>	<b>2 520</b>	<b>2 428</b>	<b>4</b>
Iron ore division	1 663	1 889	(12)
Manganese division	861	559	54
Consolidation adjustment and other	(4)	(20)	80
<b>ARM Platinum</b>	<b>1 330</b>	<b>1 245</b>	<b>7</b>
Two Rivers Mine	920	725	27
Modikwa Mine	615	594	4
Bokoni Mine	(150)	-	
Nkomati Mine	(55)	(74)	26
<b>ARM Coal</b>	<b>1 404</b>	<b>351</b>	<b>&gt;200</b>
Goedgevonden (GGV) Mine	516	351	47
Participative Coal Business (PCB)	888	-	
<b>ARM Corporate and other</b>	<b>(83)</b>	<b>(328)</b>	<b>75</b>
Corporate and other (including Gold)	70	(237)	
Machadodorp Works	(153)	(91)	(68)
<b>Headline earnings</b>	<b>5 171</b>	<b>3 696</b>	<b>40</b>

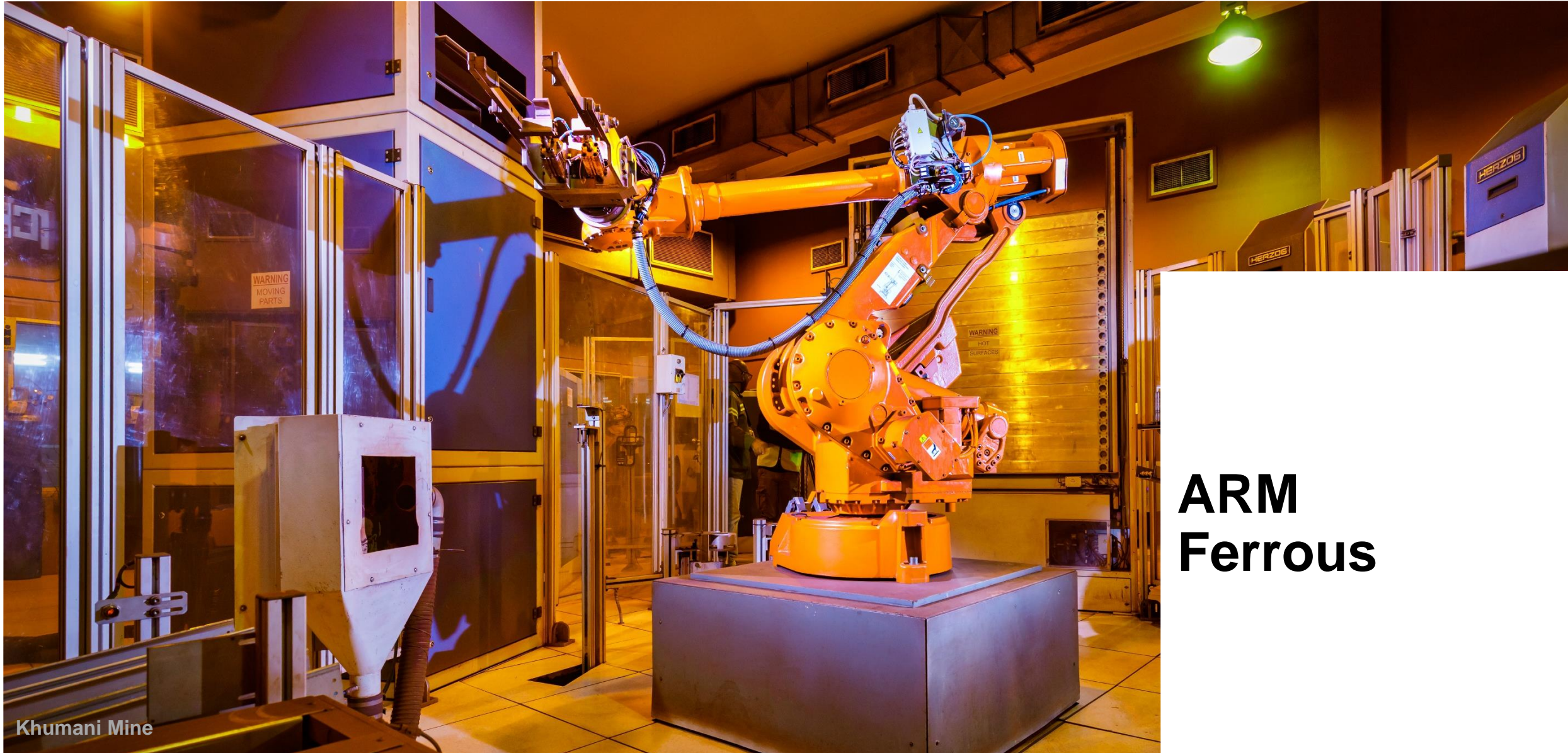
# EBITDA margins by commodity (%)



\*Excludes any re-measurement adjustments.

\*\*Including Modikwa and Two Rivers mines only.



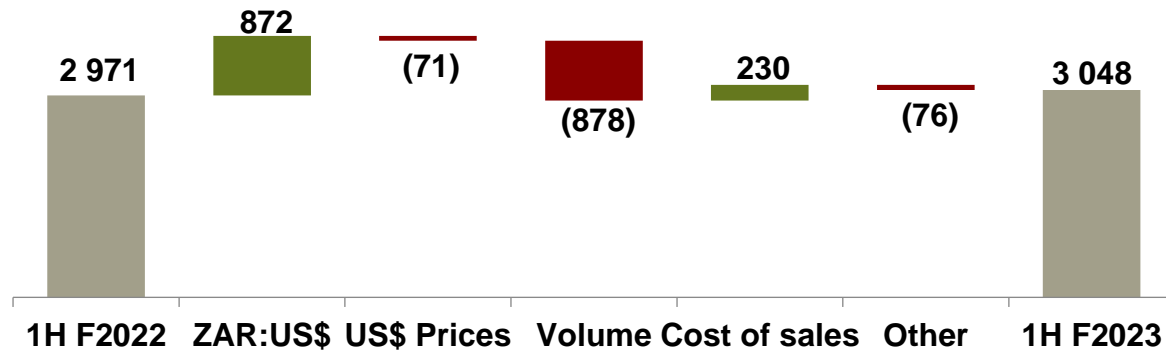


Khumani Mine

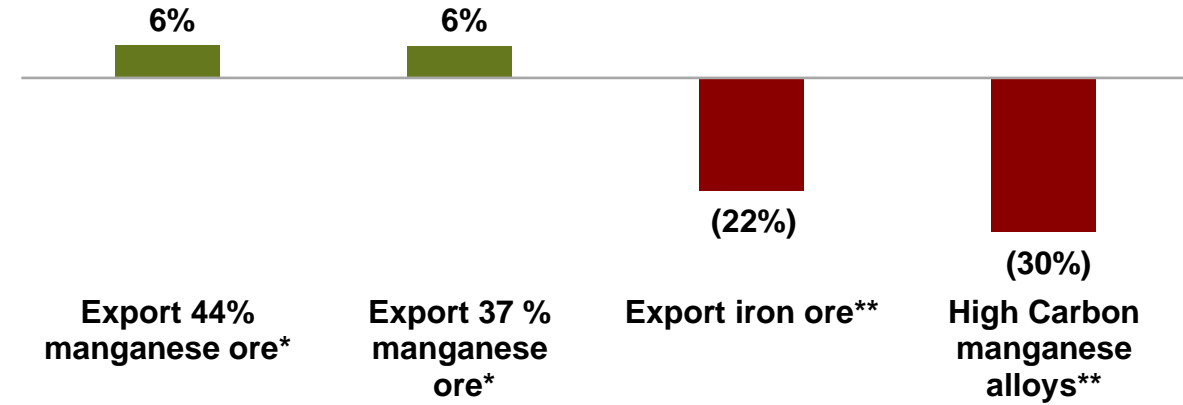
# ARM Ferrous

we do it better

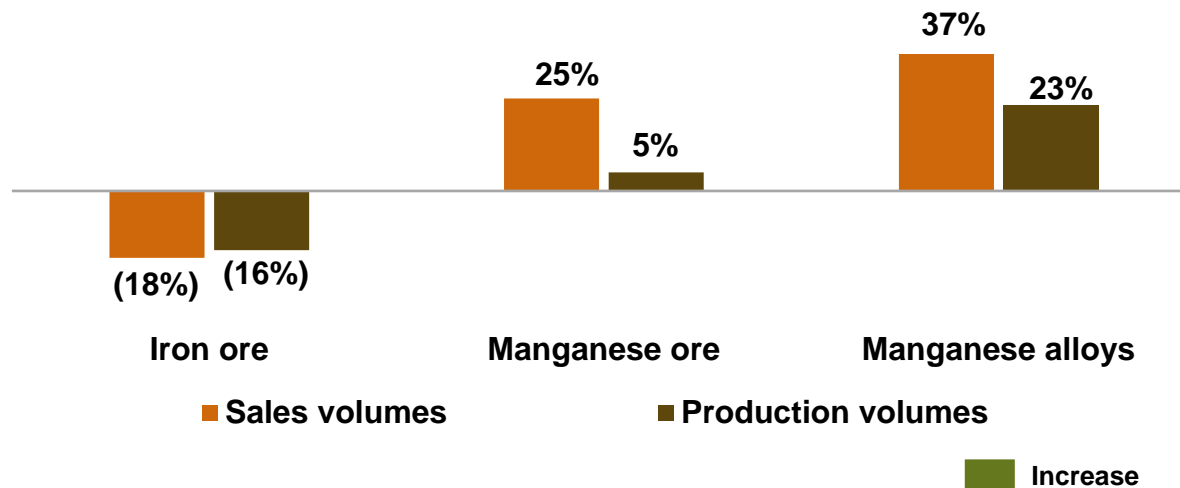
## Profit variance analysis – segment result (R million)



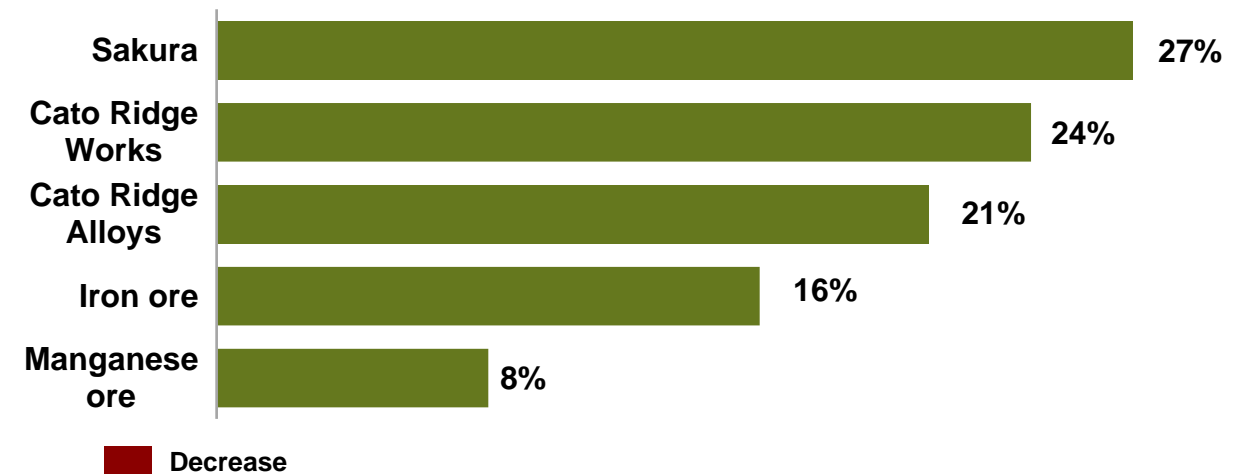
## Changes in average US Dollar prices (%)



## Changes in sales and production volumes\*\*\* (%)



## Changes in on-mine unit production costs (%)



# Iron ore (100% basis)

Average realised US dollar export prices decreased by 22% as Chinese steel output came under pressure.

Sales volumes were impacted by logistical challenges. Engagement with Transnet to address these challenges is ongoing.

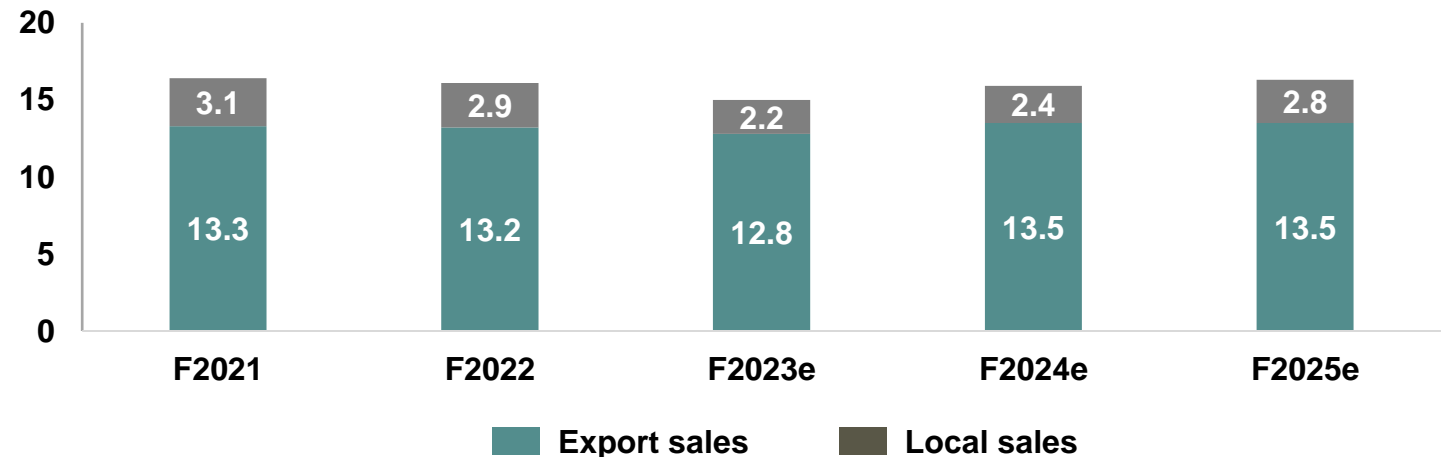
Khumani Mine on-mine unit cash costs were 29% higher. 80% of the unit cost increase was due to a 16% decrease in production volumes, a 52% increase in diesel cost per liter and a 40% increase in explosives cost per tonne.

Unit cost of sales increased in line with inflation driven by the higher production costs which were partly offset by lower freight and sales and marketing costs.

## Operational performance

	unit	1H F2023	1H F2022	% change
Export sales volumes	000 tonnes	5 652	6 657	(15)
Local sales volumes	000 tonnes	1 011	1 517	(33)
Export sales lump:fines ratio		59:41	58:42	
Change in on-mine unit production costs	%	16	10	
Change in unit cost of sales	%	7	11	
Capital expenditure	R million	1 503	1 152	30

## Sales volumes (million tonnes)





# Manganese ore (100% basis)

Local sales volumes were higher mainly due to the sale of ultra-fines product.

Included in export sales volumes is approximately 90 000 tonnes which was transported by road to Saldanha Port.

On-mine unit production costs increased in line with inflation mainly due to higher diesel consumption, higher input costs and increased power costs.

The Black Rock Project was successfully completed and handed over to operations in September 2022. The Gloria Project is 95% complete.

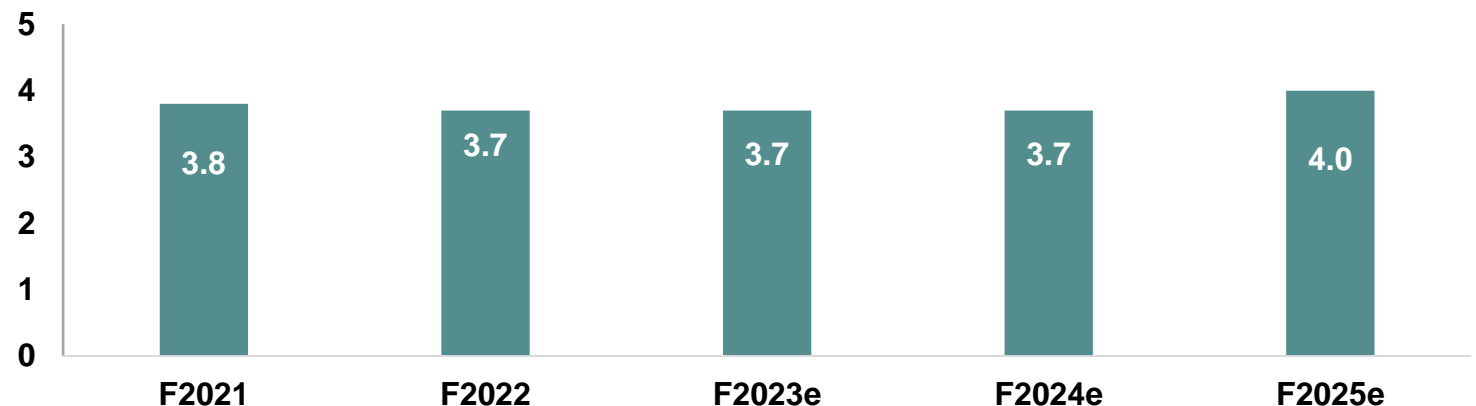
We continue to engage with Transnet to address the operational challenges on the rail lines and on future volume allocations.

## Operational performance

	unit	1H F2023	1H F2022	% change
Export sales volumes	000 tonnes	1 779	1 681	6
Local sales volumes*	000 tonnes	405	70	>200
Change in on-mine unit production costs	%	8	(6)	
Change in unit cost of sales	%	(9)	15	
Capital expenditure	R million	623	1 058	(41)

\* Local sales volumes in 1H F2023 were higher mainly due to increased sales of manganese ore fines.

## Export sales volumes (million tonnes)





# Manganese alloys (100% basis)

US dollar index price for high carbon manganese alloy decreased by approximately 30%.

High carbon manganese alloy production at Sakura increased by 47% as both furnaces were operational in the review period.

Unit production costs at Cato Ridge Works were 24% higher mainly due to lower production volumes arising from furnace efficiency challenges related to ores and reductants.

Production unit costs at Sakura increased by 27% due to significant increases in manganese ore and reductant prices.

## Operational performance

	unit	1H F2023	1H F2022	% change
<b>Sales volumes:</b>				
South African operations	000 tonnes	46	51	(10)
Sakura	000 tonnes	121	71	70
<b>Production volumes:</b>				
Cato Ridge Works production	000 tonnes	61	61	-
Cato Ridge Alloys production	000 tonnes	28	29	(3)
Sakura production	000 tonnes	134	91	47
<b>Changes in unit production costs</b>				
Cato Ridge Works	%	24	11	
Sakura	%	27	11	

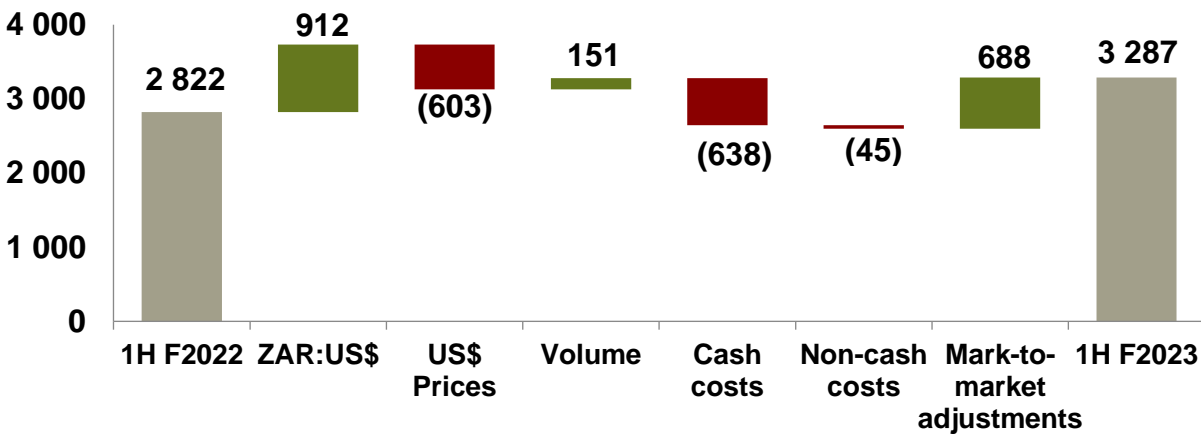


Two Rivers Mine

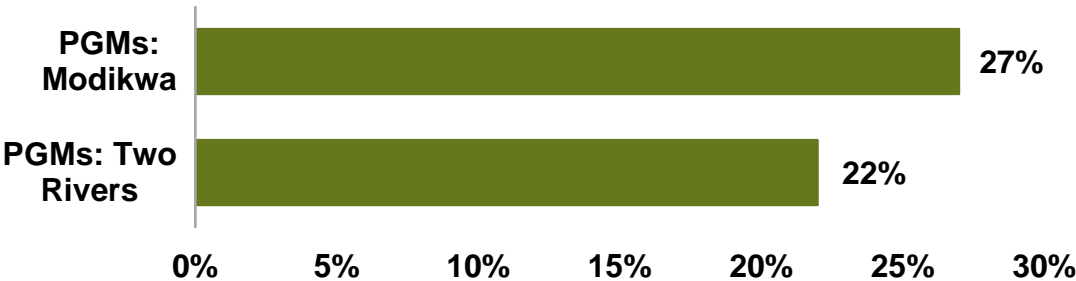
**ARM**  
**Platinum**

**we do it better**

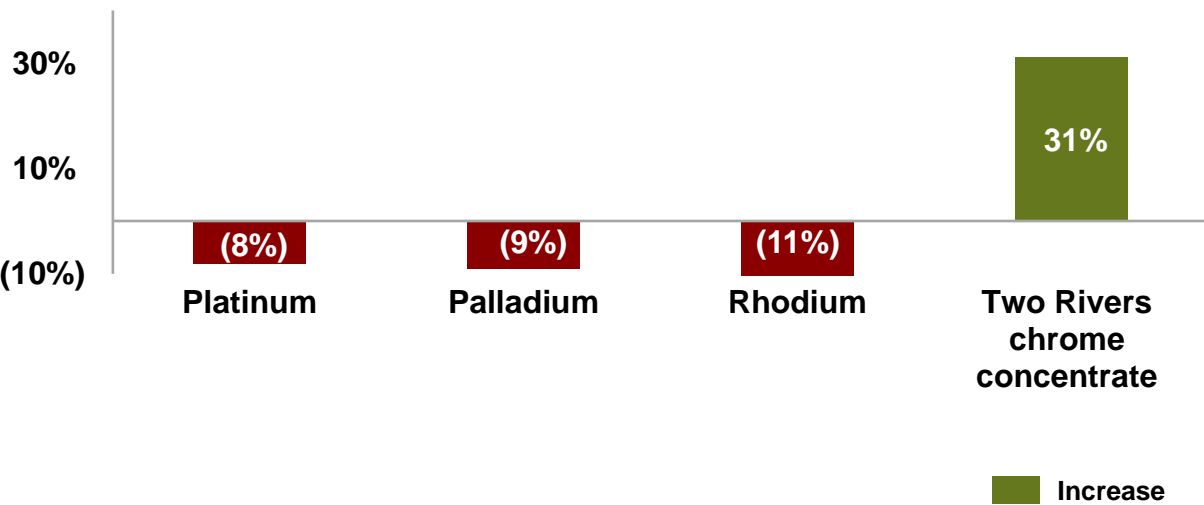
Profit variance analysis segment result\* (R million)



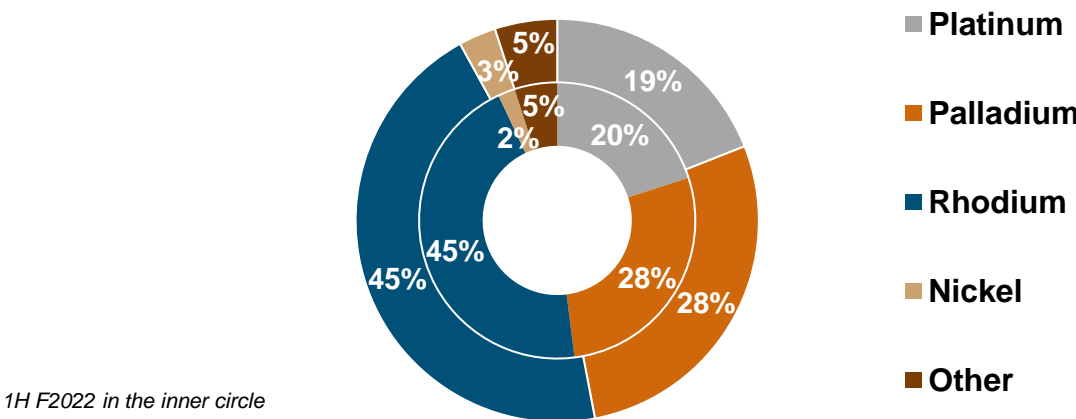
Changes in unit operating cash costs\*\* (%)



Changes in average realised US Dollar prices (%)



Revenue contribution per commodity (%)



\* Excluding Nkomati Mine | \*\* PGMs on a rand per 6E ounce basis

# PGMs (100% basis)

Lower US dollar PGM prices, were largely offset by a weaker rand versus US dollar exchange rate.

Tonnes milled at Modikwa Mine improved by 7%, however an 8% decline in head grade from 4.58g/t to 4.21g/t, resulted in production volumes decreasing by 4%.

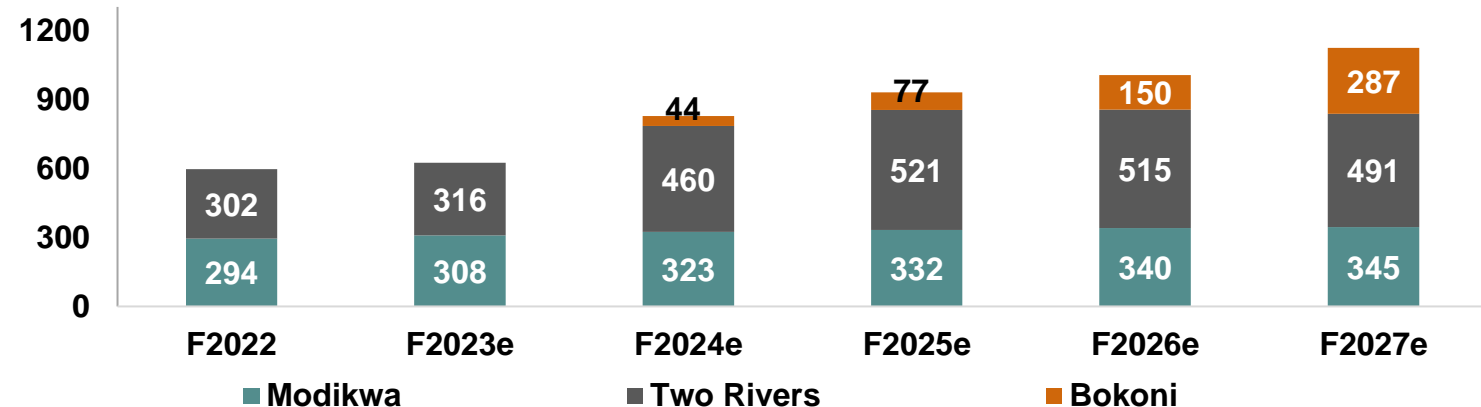
The grade at Two Rivers Mine remains a challenge. Various mining cuts were taken in the multi-split reef areas to optimise grade.

Operating unit production costs increased primarily due to inflationary pressures on consumables compounded by higher diesel consumption (to mitigate the impact of power curtailment from Eskom).

## Operational performance

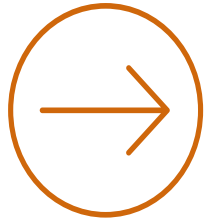
	unit	1H F2023	1H F2022	% change
Modikwa production volumes	6E PGM ounces	146 921	152 379	(4)
Two Rivers production volumes	6E PGM ounces	147 288	146 524	1
<b>Total production volumes</b>	<b>6E PGM ounces</b>	<b>294 209</b>	298 903	(2)
Modikwa operating costs	R/kg 6E	553 751	434 935	27
Two Rivers operating costs	R/kg 6E	433 725	354 124	22
Capital expenditure	R million	2 036	1 012	117

## PGM Volumes (thousand ounces 6E)

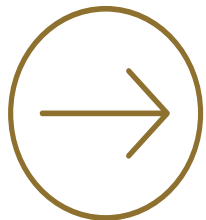


The above forecasted PGM production profile is based on approved projects as well and unapproved projects under consideration.

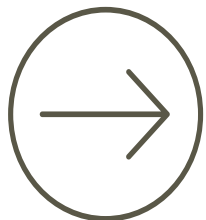




**Nkomati Mine remains on care and maintenance while ARM and its partner consider various options for the future of the mine.**



**At 31 December 2022 the estimated discounted rehabilitation costs attributable to ARM were determined to be R686 million (30 June 2022: R676 million). The increase is mainly due to annual escalation increases.**



**At 31 December 2022, R138 million (attributable to ARM) in cash and financial assets were available to fund the rehabilitation obligations. The shortfall of R548 million is expected to be funded by ARM.**



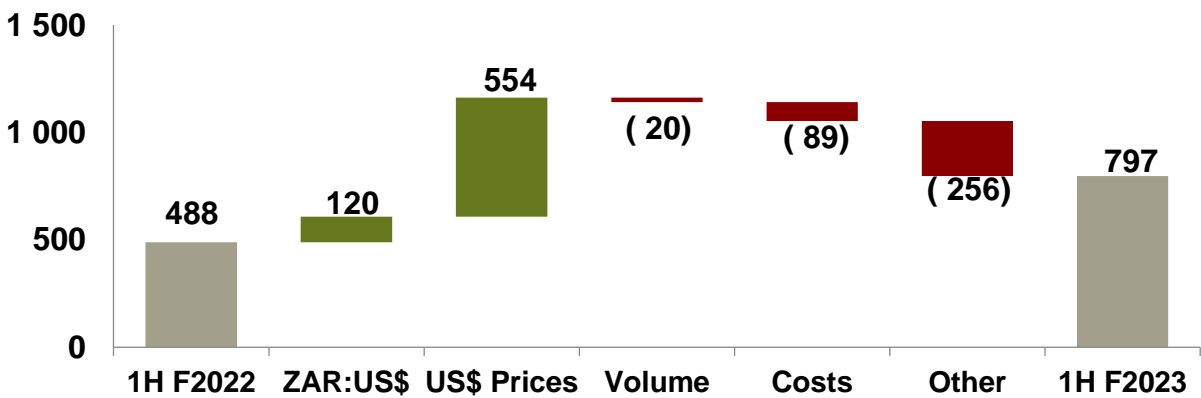
GGV Mine

**ARM  
Coal**

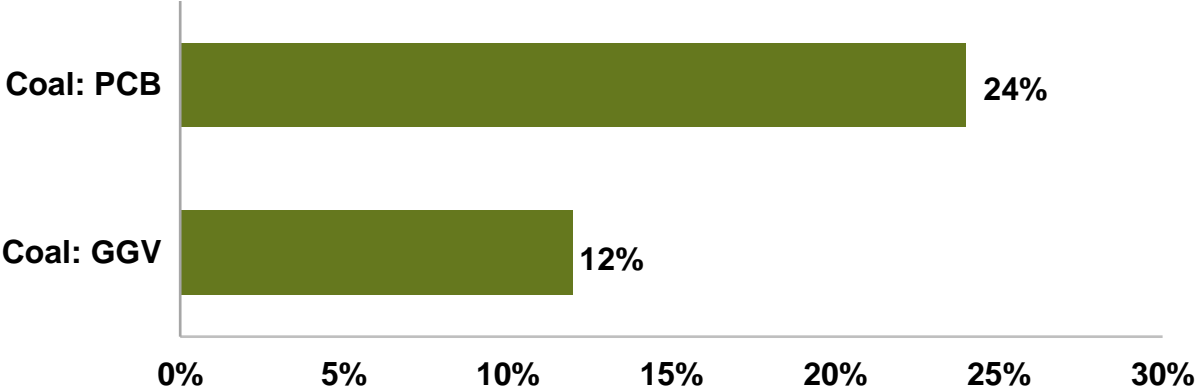
**we do it better**



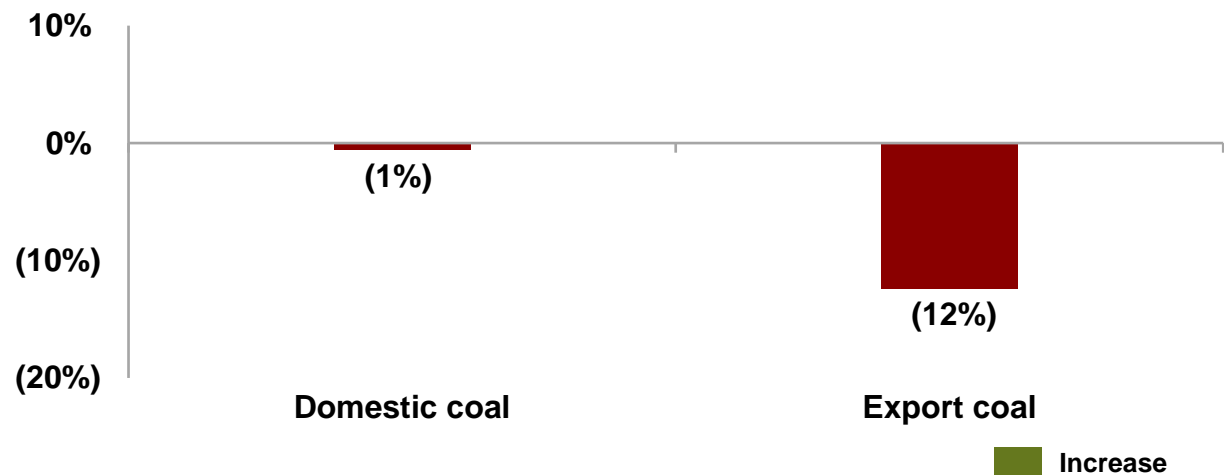
Profit variance analysis – segment result<sup>1</sup> (R million)



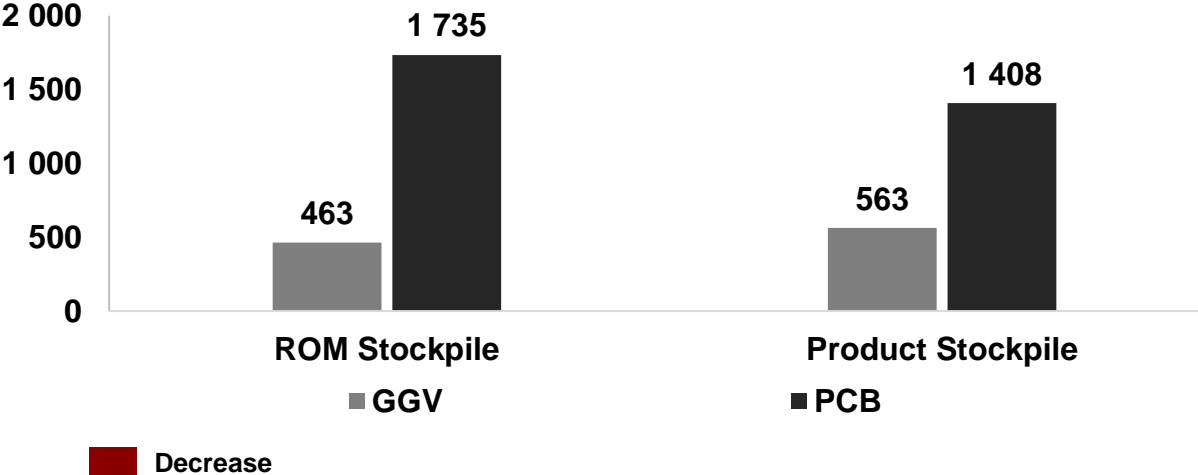
Changes in on-mine unit production costs (%)



Changes in sales volumes (%)



Stockpile volumes (thousand tonnes) (100% basis)



1. Only GGV Mine is included in the segment result analysis

# GGV and PCB (100% basis)

US dollar prices for thermal coal increased largely due to disruptions in the global energy supply following geopolitical turbulence owing to the conflict between Russia and Ukraine.

Approximately 59% and 73% of export volumes at GGV Mine and PCB respectively, comprised high-quality coal.

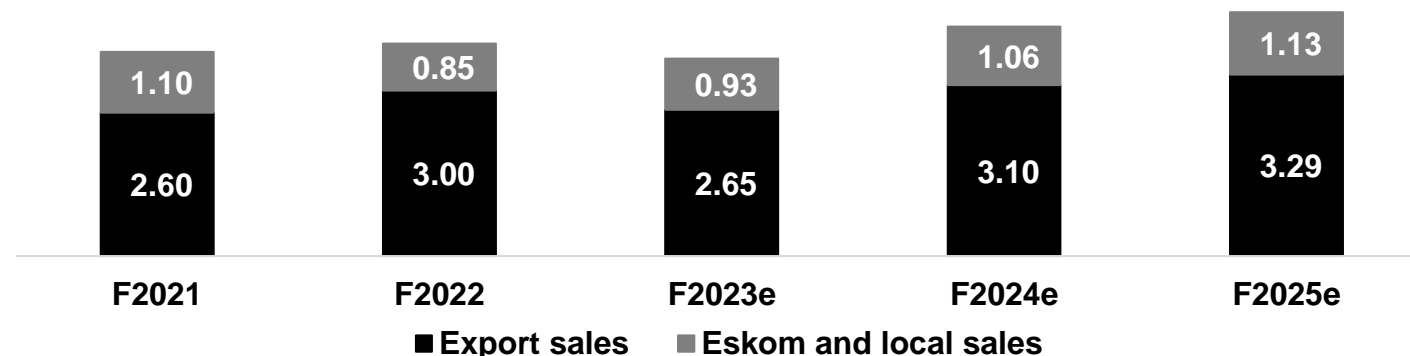
Distributions received from ARM Coal in the current period were R1.1 billion.

On-mine unit production costs were impacted by above inflationary increases on explosives and diesel costs.

## Operational performance

	unit	1H F2023	1H F2022	% change
Domestic sales volumes	Mt	1.74	1.75	(1)
Export sales volumes	Mt	5.77	6.59	(12)
GGV on-mine production costs	R/t	601	537	12
PCB on-mine production costs	R/t	769	619	24
Capital expenditure (GGV)	R million	892	256	>200
Capital expenditure (PCB)	R million	2 302	649	>200

## Sales volumes (million tonnes) (attributable)



# Summary of key focus areas

**Increasing volumes, improving efficiencies and optimising cost performance.**

**Addressing logistical challenges in collaboration with Transnet.**

**Improving grades, particularly at the PGM operations.**

**Enhanced project execution and delivery.**





Modikwa Mine

## Capital allocation

Finance Director:  
Tsundzukani Mhlanga

we do it better

# Capital allocation guiding principles

## ALLOCATION OF FUNDS

### Invest in existing business

Maintenance and efficiency improvement capital expenditure to secure the competitiveness and sustainability of our business.  
Balancing re-investment, margins, profitability and returns.

### Debt repayment

Healthy gearing levels create a flexible platform for sustainable growth

### Invest in growth of existing business

### Mergers and acquisitions

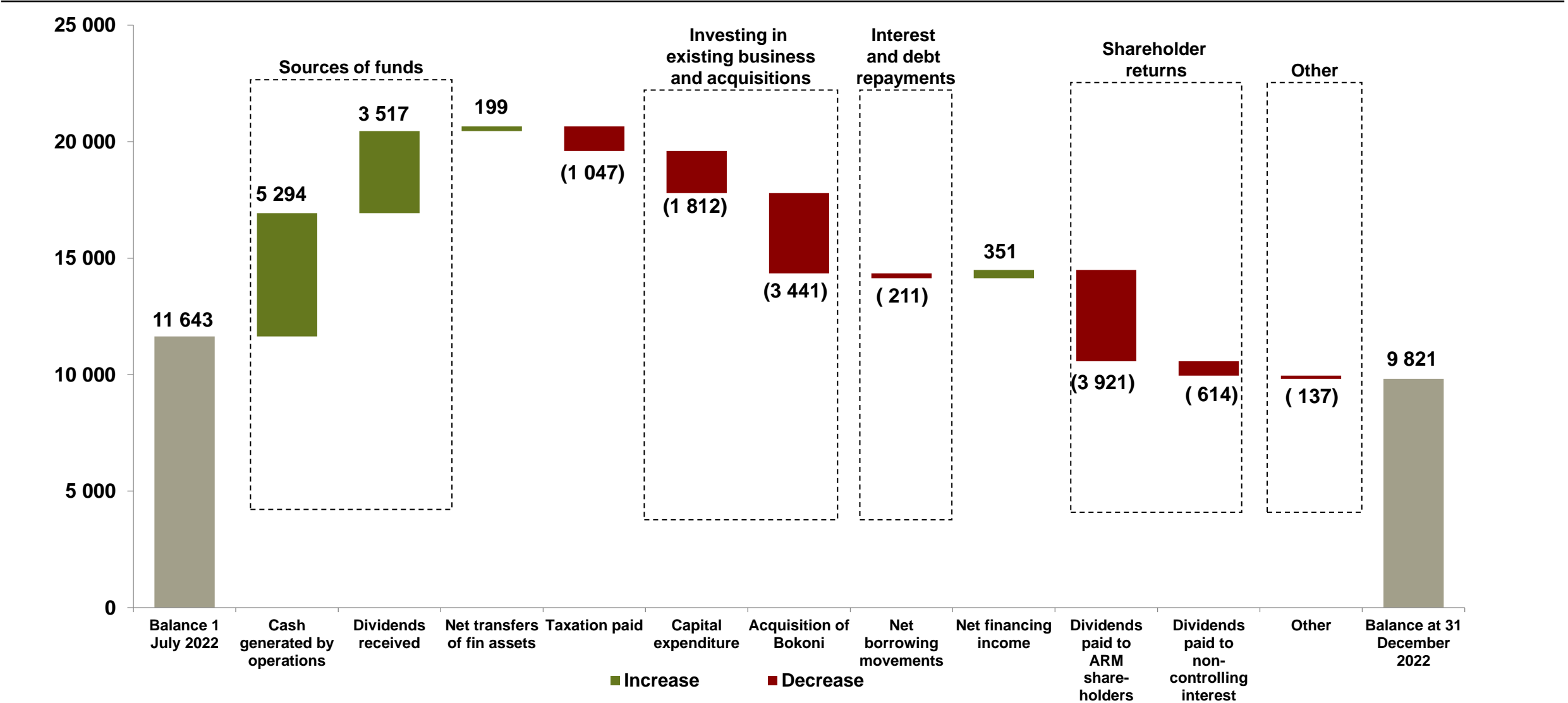
### Dividend payments

### Share repurchases

***Underpinned by metrics that measure the sustainability of value creation for stakeholders (minimum rate of return; other hurdle rates; payback periods; return on assets, return on capital employed; dividend pay-out, etc.).***

# Analysis of cash and cash equivalents movement\*

(R million)



\*Excludes ARM attributable cash and cash equivalents at Assmang.

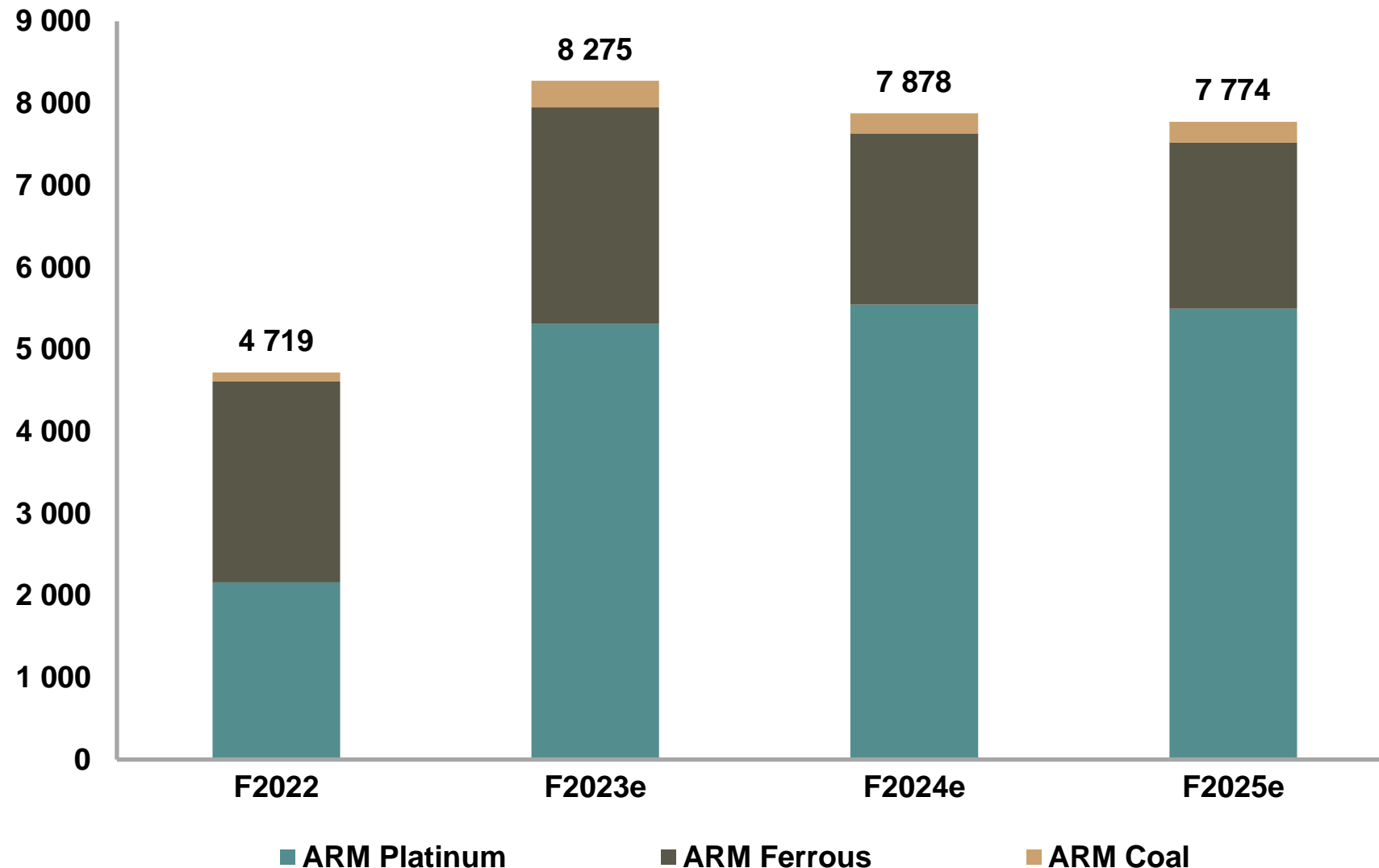
# Net cash and debt (R million)

	31 December 2022	30 June 2022	31 December 2021
Cash and cash equivalents per statement of financial position*	9 837	11 659	12 082
Cash and cash equivalents per statement of cash flows	9 821	11 643	12 066
Overdrafts	16	16	16
Total borrowings	(289)	(484)	(1 026 )
Long-term borrowings	(262)	(305)	(795)
Short-term borrowings	(27)	(179)	(231)
<b>Net cash*</b>	<b>9 548</b>	<b>11 175</b>	<b>11 056</b>
<b>Total equity</b>	<b>51 570</b>	<b>50 363</b>	<b>44 967</b>
<b>Net cash to equity ratio</b>	<b>18.5%</b>	<b>22.2%</b>	<b>24.6%</b>
<b>Attributable cash and cash equivalents at Assmang</b>	<b>3 296</b>	<b>5 342</b>	<b>4 428</b>

\* Excludes ARM attributable cash and cash equivalents at Assmang of R3 296 million as at 31 December 2022 (30 June 2022: R5 342 million).



# Segmental capital expenditure\* (R million)



## F2023e includes:

Two Rivers Merensky Project - R2 456 million

Bokoni Platinum Mine – R1 133 million

## F2024e includes:

Two Rivers Merensky Project – R3 052 million

Bokoni Platinum Mine – R1 121 million

## F2025e includes:

Two Rivers Merensky Project – R942 million

Bokoni Platinum Mine – R3 375 million

\* Capital expenditure includes (i) deferred stripping, (ii) financed fleet replacement, and (iii) sustaining capital expenditure but excludes Sakura Ferroalloys capital expenditure. The capital expenditure depicted above includes approved and unapproved projects under consideration.

**Thank you**







Modikwa Mine

**Additional  
slides**

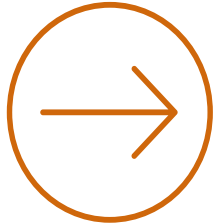
**we do it better**

# Summary of re-measurement and fair value gains / (losses) (R million)

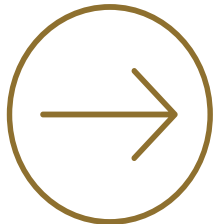
	1H F2023	1H F2022
<b>ARM Mining Consortium (Modikwa)</b>	-	-
ARM Mining Consortium (Modikwa) - intercompany	-	-
Anglo American Platinum	-	-
Non-controlling interest	-	-
<b>ARM Coal</b>	(4)	18
Goedgevonden Mine	(4)	259
PCB operations	-	(241)
<b>ARM Corporate and other</b>	12	(364)
ARM Mining Consortium (Modikwa) - intercompany	-	-
ARM BBEE Trust	8	1
ARM Coal	4	(365)
<b>ARM Group</b>	<b>8</b>	<b>(346)</b>



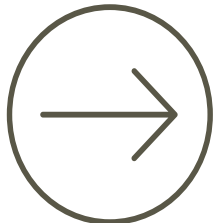
# PGM Mark-to-market adjustments



The sales price of PGM concentrate is determined on a provisional basis at the date of sale. Adjustments are made to the sales price based on movements in the discounted forward commodity prices up to the date of final pricing.



Where there are any differences between the provisional and final commodity prices after the reporting period end, the next reporting period's earnings will be impacted by a mark-to-market adjustment.



Two Rivers and Modikwa mines recognised R32 million and R41 million in realised mark-to-market gains respectively, as rhodium and palladium prices increased in the first three months of the year.

# Mark-to-market adjustments (R million)

Two Rivers Mine	1H F2023	1H F2022
<b>Realised mark-to-market adjustments</b>	<b>32</b>	<b>(722)</b>
Provisional sales value	5 840	5 958
Final sales value	5 872	5 236
<b>Unrealised mark-to-market adjustments</b>	<b>(240)</b>	<b>53</b>
Initial provisional sales recognition	1 627	1 491
Period end provisional sales recognition	1 387	1 544
<b>Total mark-to-market adjustments</b>	<b>(207)</b>	<b>(669)</b>

Modikwa Mine	1H F2023	1H F2022
<b>Realised mark-to-market adjustments</b>	<b>40</b>	<b>(255)</b>
Provisional sales value	2 369	2 588
Final sales value	2 410	2 333
<b>Unrealised mark-to-market adjustments</b>	<b>(82)</b>	<b>48</b>
Initial provisional sales recognition	1 114	1 062
Period end provisional sales recognition	1 031	1 110
<b>Total mark-to-market adjustments</b>	<b>(41)</b>	<b>(207)</b>