



# FY22 FULL YEAR RESULTS

29 AUGUST 2022

ASX:MIN





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# FY22 HIGHLIGHTS

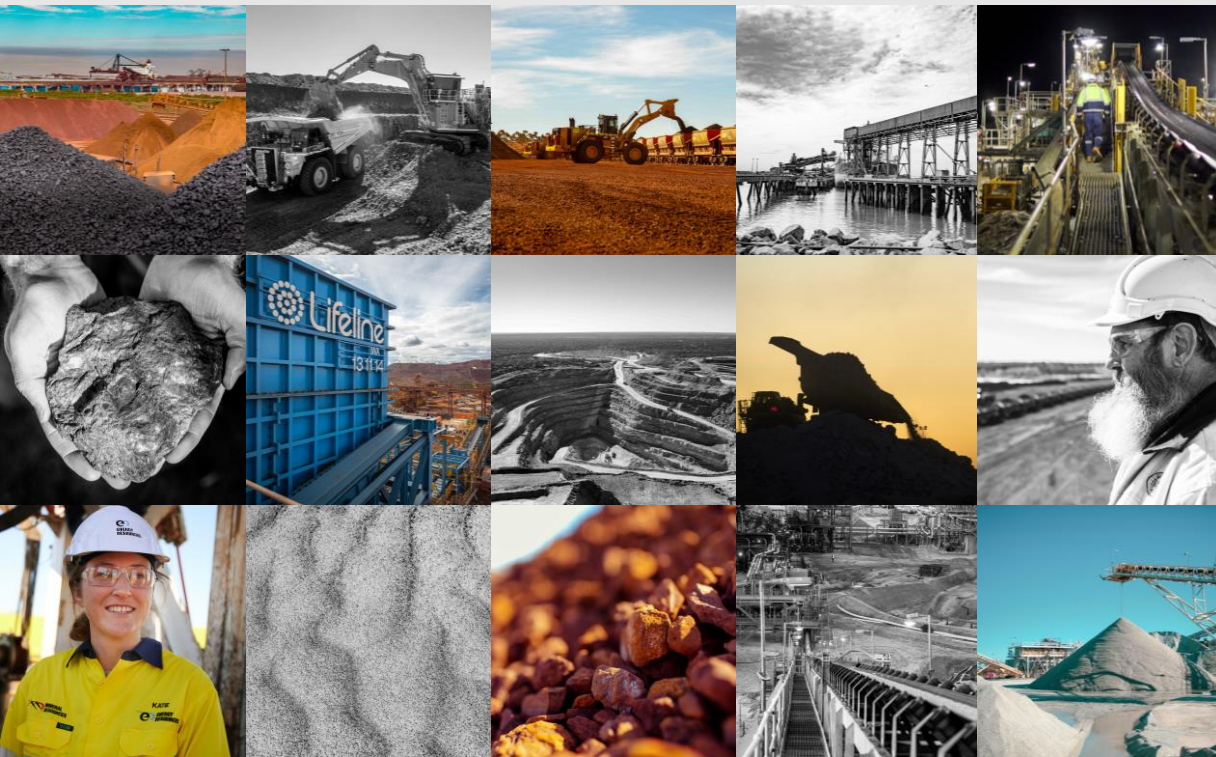
- ✓ Underlying EBITDA \$1.0bn
- ✓ Cash at bank \$2.4bn
- ✓ Completed US\$1.25bn bond
- ✓ Total dividend declared \$1.00 per share
- ✓ ASX50 Index
- ✓ Restructured business into 4 growth pillars:
  - Separate management
  - MinRes corporate structure
- ✓ Mt Marion and Albemarle JV restructure

## STRUCTURED FOR GROWTH



# FY22 BUSINESS HIGHLIGHTS

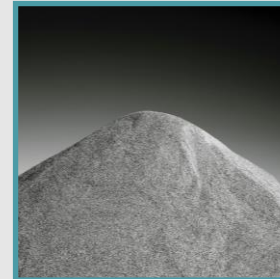
## BEST YEAR EVER FOR PROJECT DEVELOPMENT



### Mining Services

### Innovative

- Record contract volumes 274Mt, up 10%
- Five new contracts – three renewals
- Developed Marine division
- Developed low cost pit-to-port haulage solution



### Lithium

### Significant Expansion

- Restructuring Albemarle partnership
- Converting all Mt Marion offtake into hydroxide from February 2022
- Doubling production at Mt Marion by December 2022
- Wodgina Train 1 and 2 in production



### Iron Ore

### Unlocked Potential

- Commenced development of 30Mtpa Onslow Iron project
- Secured shared cape carrier berth in Port Hedland
- Formed binding agreement with Hancock to share rail and port



### Energy

### Transformational

- Lockyer Deep – potentially one of Australia's largest gas discoveries



# FY22 SUSTAINABILITY



## People

- Key focus on workplace wellness
- 5,000+ employees and contractors
- Employees up 18%
- 139 entry level people – 29% female



## Safety

**2.33**  
TRIFR<sup>1</sup>



**0.00**  
LTI<sup>1</sup>



## Community

- \$5.8M – donations
- \$1.7bn – local procurement



## Indigenous

- \$10M – Indigenous procurement (99% to Traditional Owners)
- Aboriginal Business Grants Program





# PROTECTING OUR ENVIRONMENT



## Decarbonisation

- Net zero operational emissions by 2050
- 50% emission reduction by 2035
- 2.1MW solar array installed at Wonmunna
- Autonomous road trains – electric by 2025
- 100% carbon neutral electricity for head office



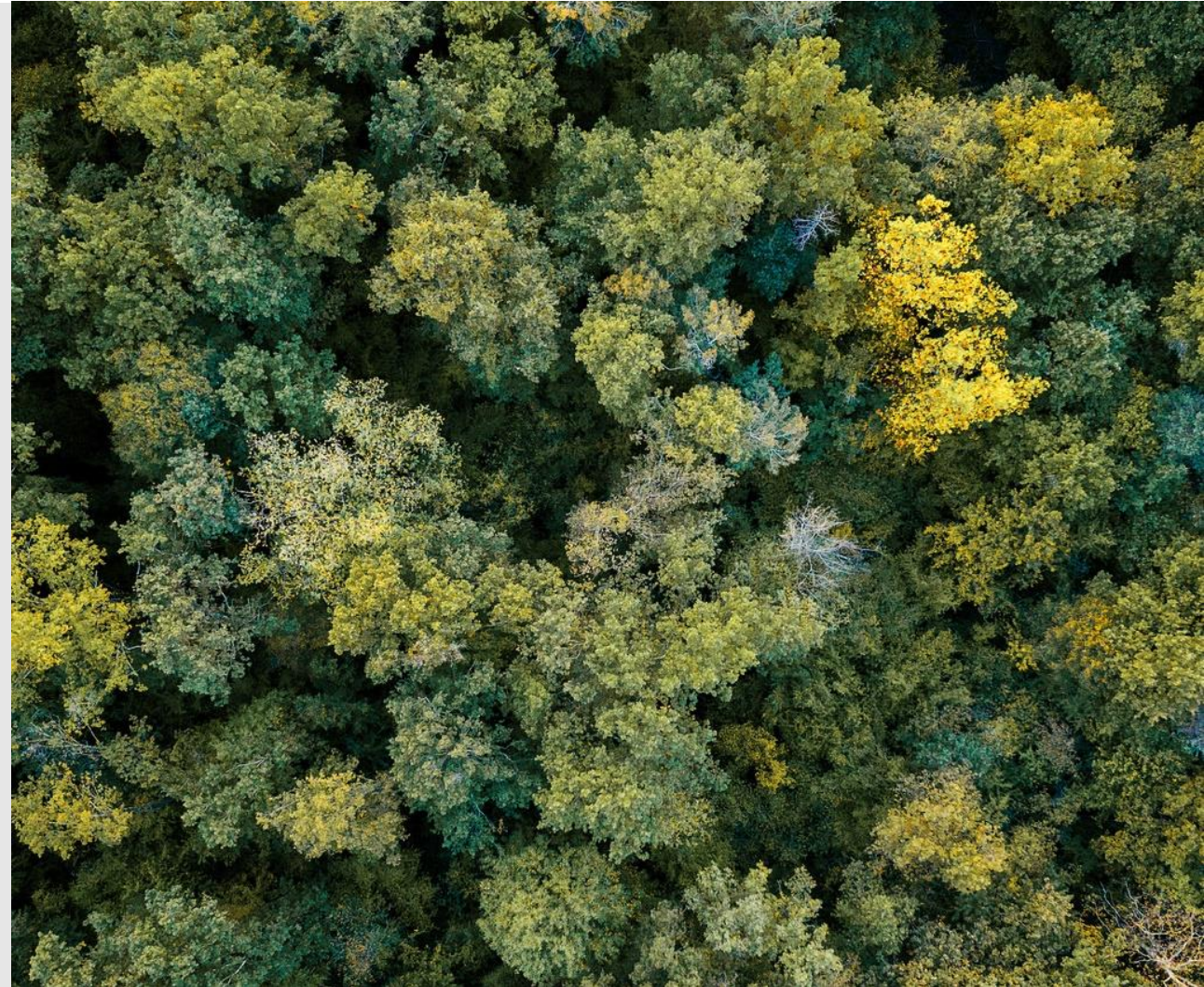
## Water and waste management

- >3,300t waste and other materials recycled
- Developed digital water simulation model to increase water efficiency



## Rehabilitation

- >1,000ha land under rehabilitation
- >5,000kg seed collected







# FINANCIAL PERFORMANCE



# FY22 FINANCIAL HIGHLIGHTS



## Revenue



**\$3.4bn** ▼ 8%

## Operating Cash Flow



**\$344M** ▼ 79%

## Cash



**\$2.4bn**

## US Bonds Raised



**US\$1.25bn**

## ROIC (After Tax)



**14.1%**

## Underlying EBITDA



**\$1.0bn** ▼ 46%

## Capex



**\$800M**

## Index Inclusion



**ASX50**

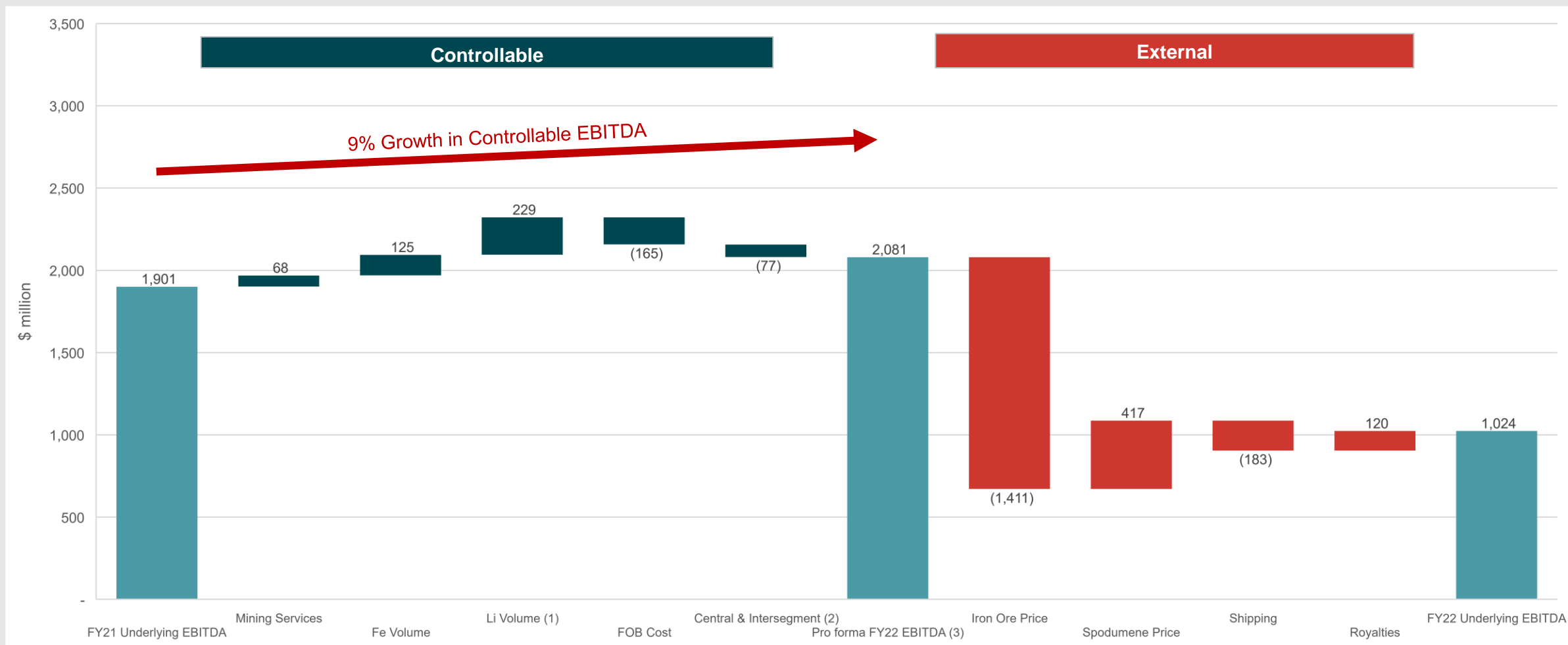


# FY22 UNDERLYING PROFIT AND LOSS

- Revenue of \$3.4bn down 8% on pcp and Underlying EBITDA of \$1.0bn down 46% on pcp
- FY22 Revenue and Underlying EBITDA driven by:
  - Record iron ore exports offset by lower realised prices
  - Higher lithium prices and initial lithium hydroxide earnings
  - Record Mining Services volumes
  - Costs maintained within guidance despite significant pressure
- Depreciation and amortisation increased due to higher production across Mining Services, Iron Ore and Lithium

Underlying Profit & Loss (\$ million)	FY21	FY22	Variance
<b>Revenue</b>	<b>3,734</b>	<b>3,418</b>	<b>(316)</b>
Operating costs	(1,834)	(2,394)	(560)
<b>Underlying EBITDA</b>	<b>1,901</b>	<b>1,024</b>	<b>(877)</b>
<i>Underlying EBITDA margin (%)</i>	<i>51%</i>	<i>30%</i>	<i>(21%)</i>
Depreciation and amortisation	(258)	(352)	(94)
<b>Underlying EBIT</b>	<b>1,643</b>	<b>672</b>	<b>(971)</b>
<i>Underlying EBIT margin (%)</i>	<i>44%</i>	<i>20%</i>	<i>(24%)</i>
Net finance costs	(86)	(113)	(27)
<b>Underlying PBT</b>	<b>1,557</b>	<b>559</b>	<b>(998)</b>
Tax	(454)	(159)	295
<i>Effective tax rate (%)</i>	<i>29%</i>	<i>28%</i>	<i>(1%)</i>
<b>Underlying NPAT</b>	<b>1,103</b>	<b>400</b>	<b>(703)</b>
<i>Underlying NPAT margin (%)</i>	<i>30%</i>	<i>12%</i>	<i>(18%)</i>

# FY21 TO FY22 UNDERLYING EBITDA



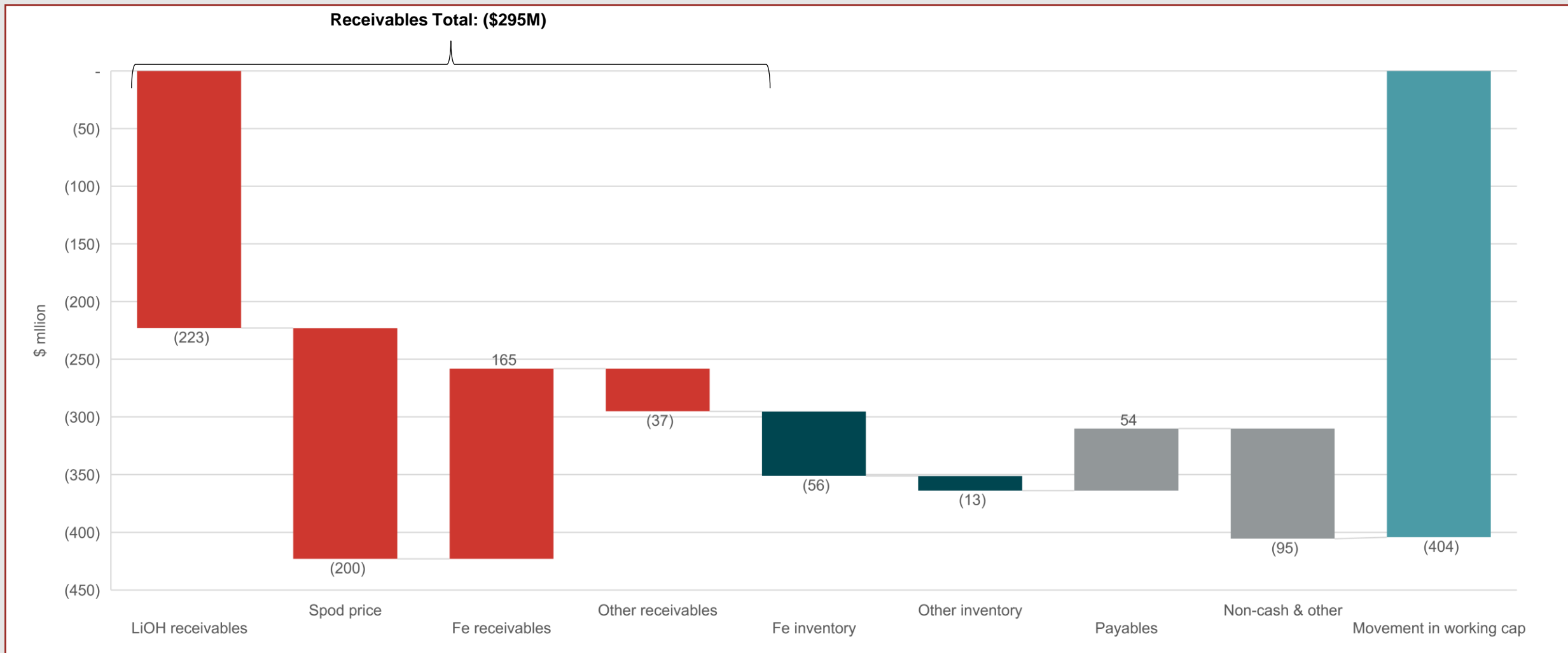


# FY22 CASH FLOW

- Working capital reflects first time impacts of Wodgina spodumene sales and lithium hydroxide sales from Mt Marion. Lithium price increase over the period also impacts receivables balance
- Timing on lithium hydroxide reflective of tolling agreement and while there may be some ongoing fluctuation, lithia recoveries are not in question
- Tax paid of \$203M of which \$159M relates to FY21
- Capex of \$800M in FY22
- Dividends paid of \$324M following a record FY21 result
- Investments and acquisitions primarily comprise of \$200M of RHIOJV tenements acquired for the Onslow Iron project
- Divestment of Pilbara Minerals (ASX: PLS) shareholding, net of \$65M tax paid
- Net change in borrowings reflect proceeds from completion of US\$1.25bn Senior Unsecured Notes Offering in FY22

Cash Flow (\$ million)	FY21	FY22	Variance
<b>Underlying EBITDA</b>	<b>1,901</b>	<b>1,024</b>	<b>(877)</b>
Movement in working capital	70	(404)	(474)
<b>Net cash flow from operating activities before financing and tax</b>	<b>1,970</b>	<b>619</b>	<b>(1,351)</b>
Net interest paid	(76)	(72)	5
Tax paid <sup>1</sup>	(252)	(203)	48
<b>Operating cash flow<sup>1</sup></b>	<b>1,642</b>	<b>344</b>	<b>(1,298)</b>
Capex <sup>2</sup>	(745)	(800)	(55)
<b>Operating cash flow less capex</b>	<b>897</b>	<b>(456)</b>	<b>(1,353)</b>
Dividends paid	(325)	(324)	1
Investments and acquisitions <sup>3</sup>	(65)	(236)	(171)
Divestment of PLS, net of tax	-	262	262
Tax paid on Wodgina disposal <sup>4</sup>	(333)	-	333
Amounts (advanced) / received	(27)	17	44
Net change in borrowings	(91)	1,576	1,667
Unrealised FX	(38)	28	66
Other	1	20	19
<b>Movement in cash and cash equivalents</b>	<b>20</b>	<b>886</b>	<b>866</b>

# FY22 WORKING CAPITAL MOVEMENT



# FY22 CAPITAL EXPENDITURE

Continuing investing for the future

FY22 Capex of \$800M includes:

- Lithium growth capex on the restart and ramp up of 2 trains at Wodgina
- Iron Ore growth capex inclusive of the completion of Wonmunna development
- Onslow Iron development primarily relating to exploration, feasibility studies, transshipping barge construction and autonomous road train development
- Investment to support new external Mining Services contract wins
- Investment in Central including the new state-of-the-art head office and technology

Capex (\$ million)	Growth	Sustaining <sup>1</sup>	Exploration	FY22
Lithium	30	22	-	53
Iron Ore excluding Onslow Iron	24	262	22	308
Iron Ore - Onslow Iron	114	-	-	114
Energy	-	-	25	25
Other Commodities <sup>2</sup>	83	-	-	83
Mining Services	59	31	-	90
Central & Other	121	6	-	128
<b>Total Capex</b>	<b>431</b>	<b>322</b>	<b>47</b>	<b>800</b>

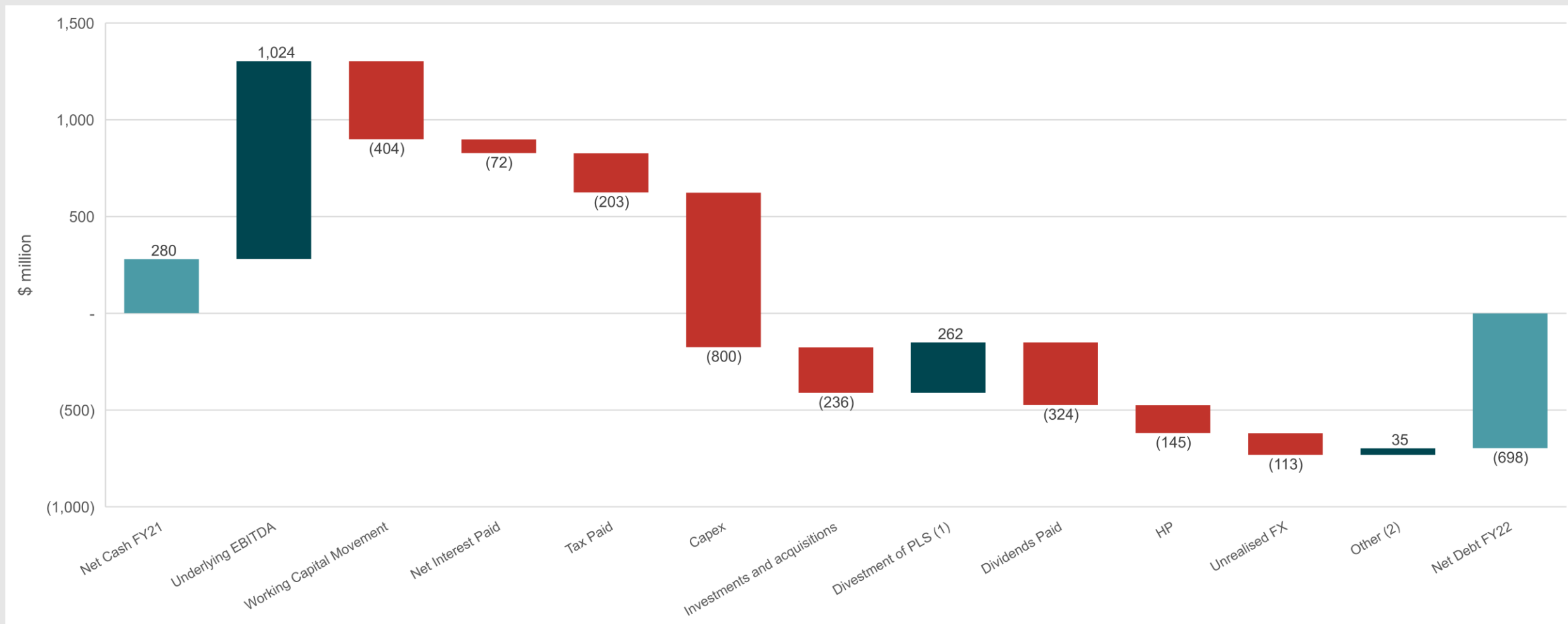


# FY22 SUMMARY BALANCE SHEET

- Closing cash of \$2.4bn and borrowings of \$3.1bn, reflecting completion of US\$1.25bn Notes offering in March 2022
- Increase in inventories from stock build in iron ore and reclassification of lithium stockpiles from non-current to current
- Increase in receivables from Mt Marion lithium hydroxide earnings
- Increase in payables from lithium ramp up
- Non-current payables reflects the consideration payable on first commercial shipment from the RHIOJV tenements
- Exploration and mine development increased primarily from acquisition of the RHIOJV tenements and deferred stripping expenditure

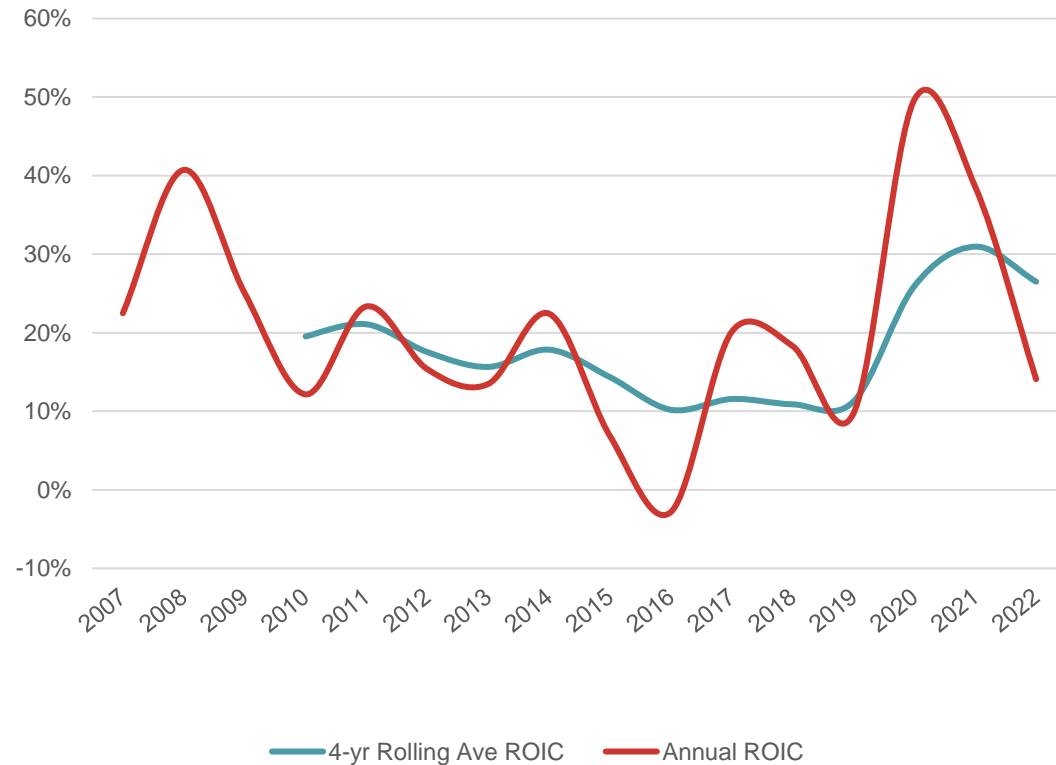
Summary Balance Sheet (\$ million)	FY21	FY22	Variance
Inventories	123	253	130
Trade and other receivables	331	627	295
Trade and other payables	(582)	(636)	(54)
Other	(41)	(75)	(34)
<b>Net working capital</b>	<b>(169)</b>	<b>168</b>	<b>337</b>
Non-current inventory	62	-	(62)
Non-current receivables	653	655	2
Non-current payables	-	(198)	(198)
Financial assets and equity accounted investments	388	161	(227)
Property, plant and equipment	1,825	2,163	338
Intangibles	37	25	(12)
Exploration and mine development	726	1,438	712
Non-current provisions	(195)	(211)	(16)
Net tax balances	(361)	(232)	129
<b>Capital employed</b>	<b>2,966</b>	<b>3,969</b>	<b>1,003</b>
Cash and cash equivalents	1,542	2,428	886
Borrowings	(1,262)	(3,126)	(1,864)
<b>Net (debt) / cash</b>	<b>280</b>	<b>(698)</b>	<b>(978)</b>
<b>Net assets</b>	<b>3,246</b>	<b>3,271</b>	<b>25</b>

# FY21 TO FY22 NET DEBT WATERFALL

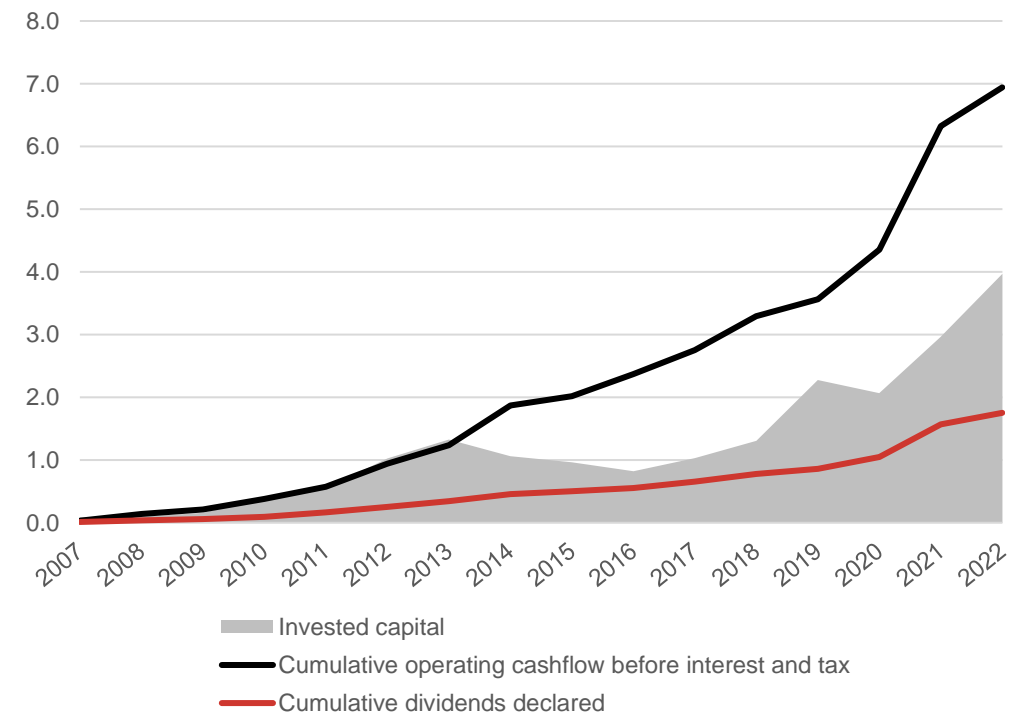


# VALUE CREATION OUTCOMES

**Return on Invested Capital After Tax (ROIC)**  
Since Listing



**Cumulative Returns to Shareholders**  
Growth in Dividends (\$bn)  
Since Listing





# FY23 GUIDANCE

Iron Ore			Lithium	
	YILGARN HUB	UTAH POINT HUB	MT MARION	WODGINA
<b>Commodity</b>	Iron ore	Iron ore	Spodumene	Spodumene
<b>MinRes Share</b>	100%	100%	51% <sup>1</sup>	50% <sup>2</sup>
<b>Volume</b> (Shipped MinRes share)	6.7 to 7.3Mt 20% Lump	10.5 to 11.5Mt 20% Lump	300 to 330kdm 40% High-grade	190 to 210kdm 100% SC6
<b>FOB costs<sup>3</sup></b>	\$85-\$95/t	\$65-\$75/t	\$460-\$510/t	\$800-\$850/t

Mining Services volumes 270 – 280Mt

# FY23 CAPITAL EXPENDITURE GUIDANCE

Capex (\$ million)	Growth	Sustaining <sup>1</sup>	Exploration	FY23
Lithium	153	90	13	255
Iron Ore excluding Onslow Iron	8	188	96	293
Iron Ore - Onslow Iron	1,311	-	-	1,311
Energy	-	-	99	99
Other Commodities	12	-	-	12
Mining Services	7	16	-	22
Central & Other	46	22	-	67
<b>Total Capex<sup>2</sup></b>	<b>1,537</b>	<b>315</b>	<b>208</b>	<b>2,060</b>





# OPERATIONAL PERFORMANCE



# OUR BUSINESS



World's largest crushing contractor



Leading pit-to-port mining services provider



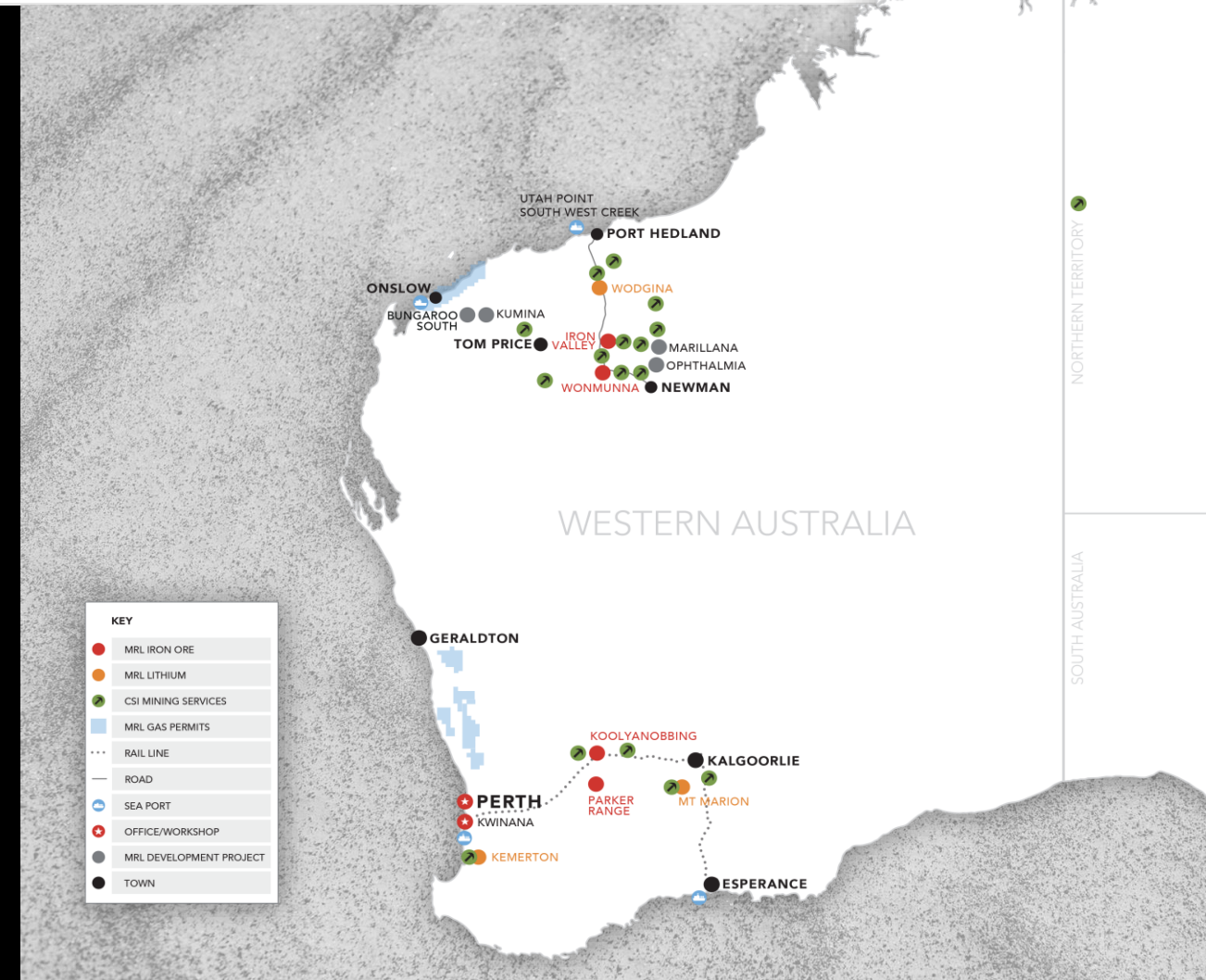
World's top five lithium producer



Australia's fifth largest iron ore producer



Largest landholder of onshore gas acreage in the Perth and Carnarvon Basins





# FY22 MINING SERVICES PERFORMANCE



## MINING SERVICES

- 25% CAGR growth since FY19
- Record production volumes
  - 274Mt, up 10% pcp
- 5 new contracts
- 3 renewals
- 100% retention rate on renewal



## CRUSHING AND PROCESSING

- 23 operating plants
- 1 new crushing and screening plant commissioned
- Expansion of carbon fibre screen production
- First carbon fibre screen installed at Mt Marion



## CONSTRUCTION

- Re-commissioned Wodgina Trains 1 and 2
- Commenced Mt Marion plant upgrade
- Progressed Onslow Iron early site construction works for airport, camp and port facility
- Completed Kemerton Hydroxide Plant



## HAULAGE

- Advanced trials of world-first autonomous road trains project
- First off-highway road train services contract



## MARINE

- Construction of first two transhippers commenced with next two contracted
- Four tugs purchased with upgrades commencing Q2 FY23

# FY22 COMMODITIES PERFORMANCE



## MT MARION LITHIUM

- TMM 31.1Mt
- Produced 431kdm
- Shipped 441kdm
- Revenue A\$2,424/dm
- CFR ex royalties A\$/582dm
- First lithium hydroxide from Ganfeng tolling agreement



## WODGINA LITHIUM

- Train 1 and 2 commenced production
- Train 1 – first concentrate produced in May
- Train 2 – first concentrate produced in July
- First cargo from restart shipped in July



## KEMERTON LITHIUM HYDROXIDE

- Train 1 first product – July
- Train 2 – commissioning, first product expected Q2 FY23



## YILGARN HUB IRON ORE

- TMM 59.2Mt
- Produced 9.3Mt
- Shipped 8.7Mt
- Revenue A\$103/wmt
- CFR ex royalties A\$102/wmt



## UTAH POINT IRON ORE

- TMM 46.6Mt
- Produced 11.2Mt
- Shipped 10.5Mt
- Revenue A\$105/wmt
- CFR ex royalties A\$86/wmt



# FY22 ENERGY PERFORMANCE

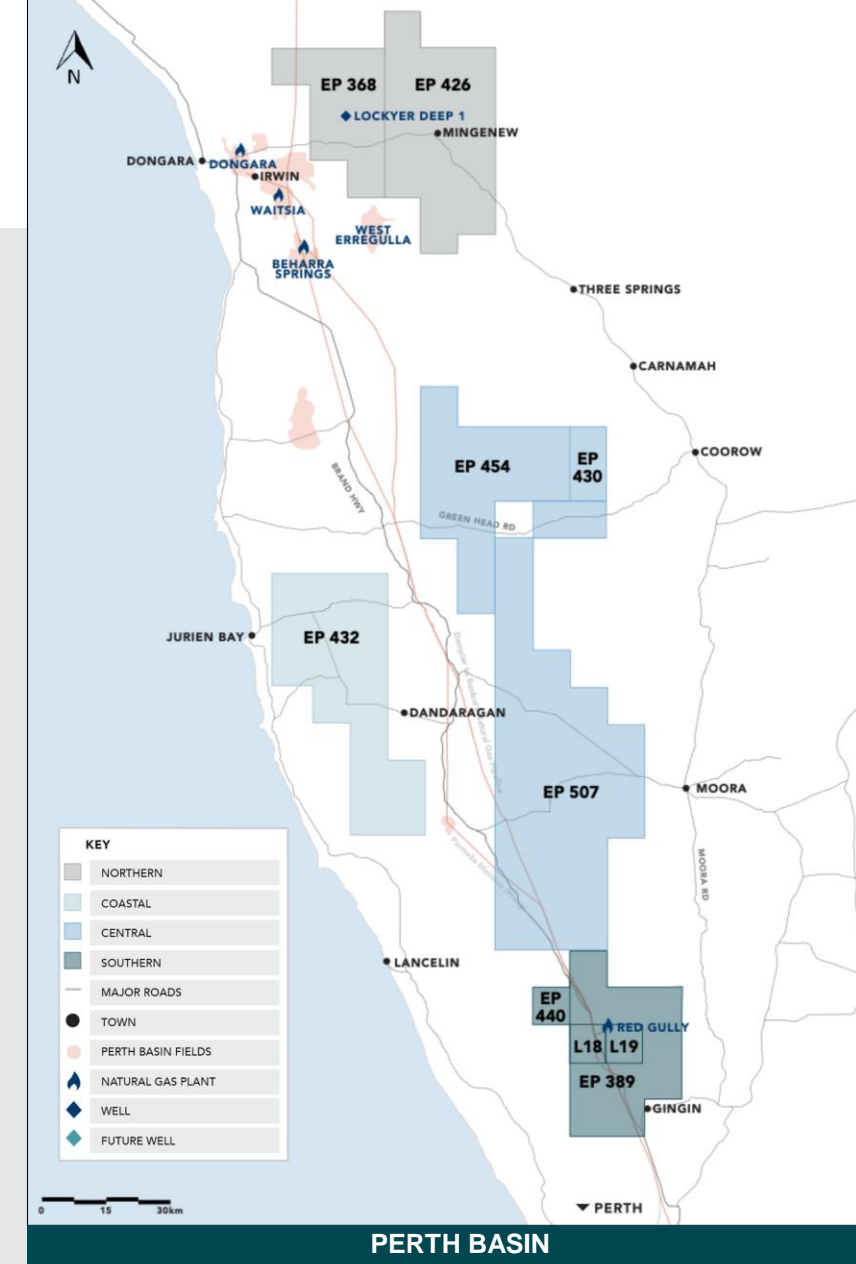
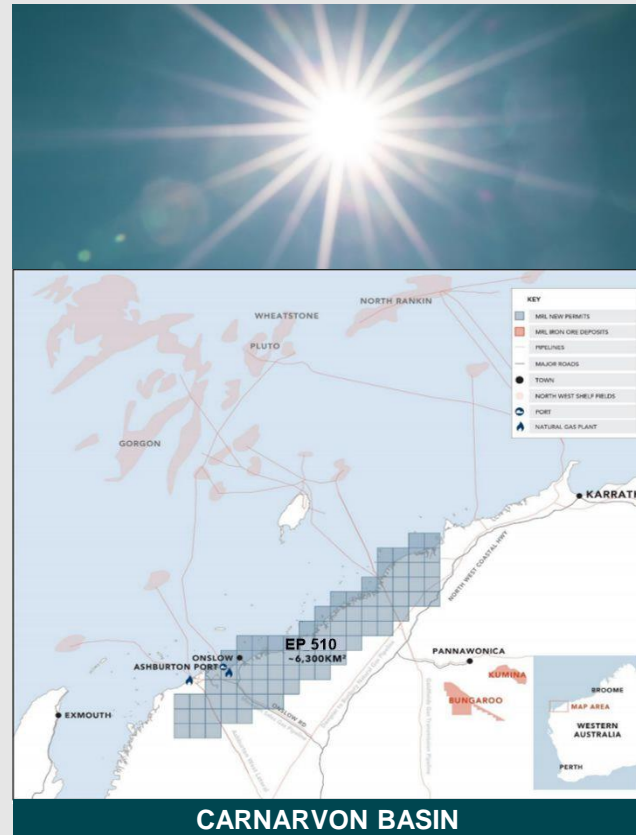
## GAS

### Perth Basin

- Largest acreage holder<sup>1</sup>
- Significant gas discovery (Lockyer Deep 1)
- Production testing completed in March 2022
- Very low impurities – clean natural gas
- Anticipated low-cost gas based on proximity to infrastructure and reservoir deliverability

### Carnarvon Basin

- Largest acreage holder<sup>1</sup>
- Adjacent to Chevron gas facilities



# FUTURE DIRECTION



# PUTTING OUR PEOPLE FIRST



## Workplace wellbeing

- Head office – new standard for workplace wellness – targeting Platinum WELL
- Resort style on site accommodation developed



## Safe and respectful workplaces

- Female friendly and family environment
- Zero tolerance – sexual harassment and anti-social behaviour
- Safe and Respectful training – all staff



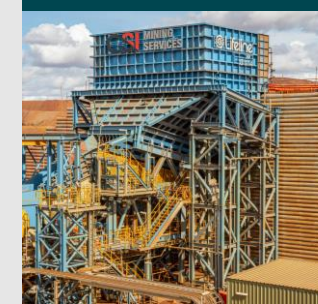
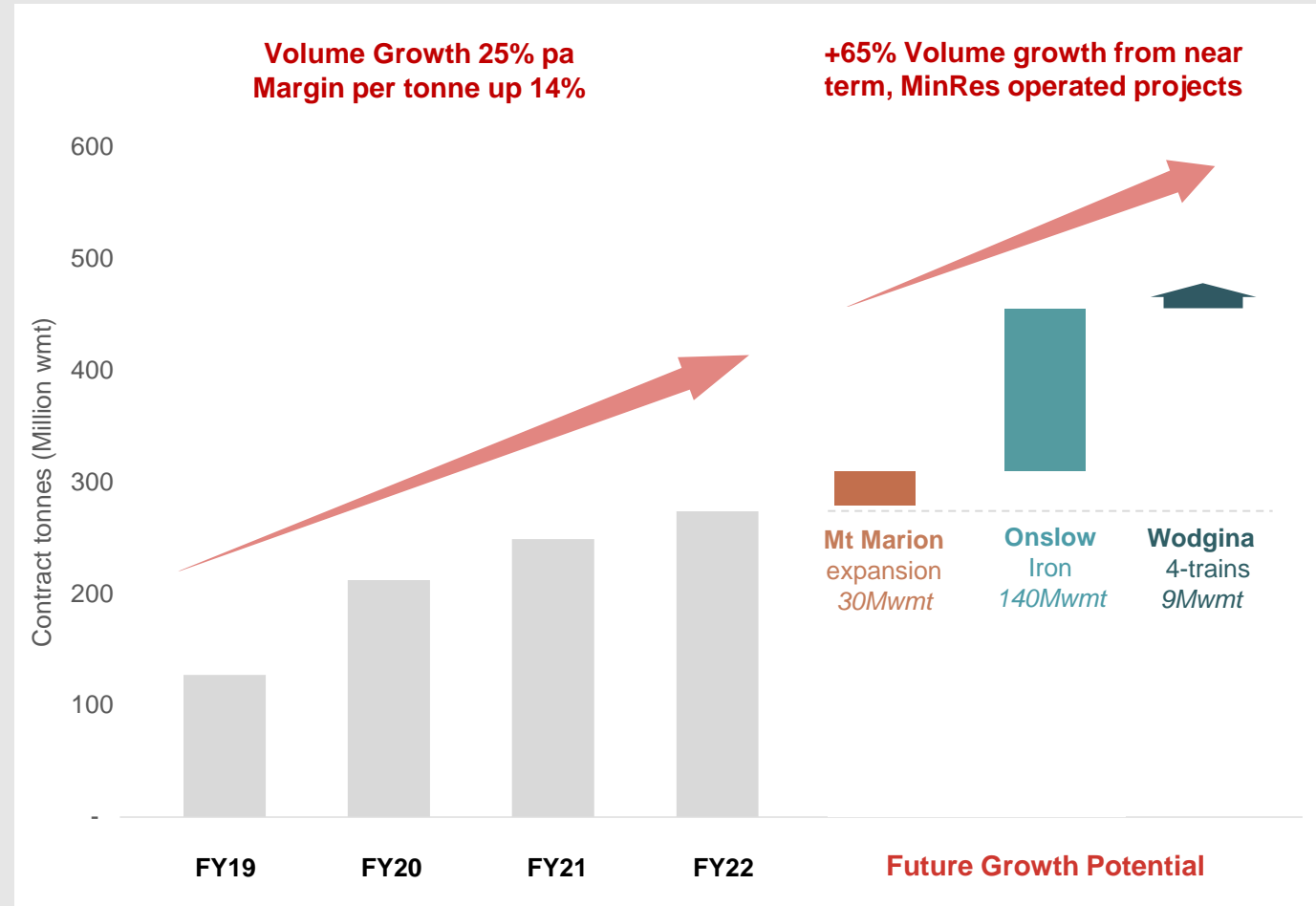
## Health and wellness facilities

- Medical centre – doctors and psychologist
- Mental health training with Lifeline
- Peer support





# MINING SERVICES INNOVATIVE GROWTH



## NextGen Crushing

- MinRes design and IP
- 5 – 50Mtpa modular construction
- Rapid deployment
- Displace higher cost fixed plants
- Lower dust emission

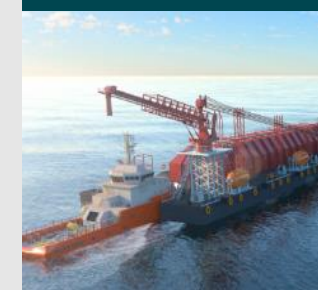
## CRUSHING



## Jumbo Road Trains

- 320T payload
- Designed with Kenworth
- Quicker to market than rail
- Automation underway
- Electric by 2025

## HAULAGE



## Transshipping

- 20,000kt capacity each
- Articulated tug and barge
- Fully enclosed and dust free
- Load cape-size vessels
- Lower capital cost port solution

## MARINE

# IRON ORE EXISTING OPERATIONS

## Utah Point

- Continue to produce at 11Mtpa (Wonmunna and Iron Valley)
- Wonmunna at steady run-rate
- Assessing long term options – satellite deposits (Lamb Creek, Wedge Point)

## Yilgarn –

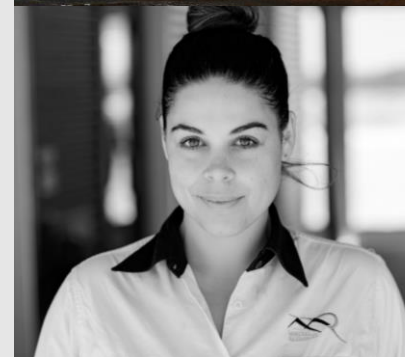
### Existing hematite

- Currently 7Mtpa – 15 pits spanning +200km
- Go forward – simplifying operations
  - Closing Carina – relocating train loadout to Koolyanobbing
  - Reduce haulage distance by 60km from Parker Range
  - Reduce operating costs
- Good exploration potential

## Yilgarn –

### Magnetite opportunity

- Leverage extensive existing infrastructure – port, rail and NPI
- Drilling and study work underway
- Early stage of defining resource
- Assessing long term plan over next 6 months



# IRON ORE PILBARA HUB DEVELOPMENT

Landmark rail and port agreement unlocks stranded iron ore assets

## Mine



- JV Partner: Brockman Mining (50%)
- 20Mtpa<sup>1</sup> ~30+ year life, Fe 60.5%
- MinRes to manage

## Infrastructure

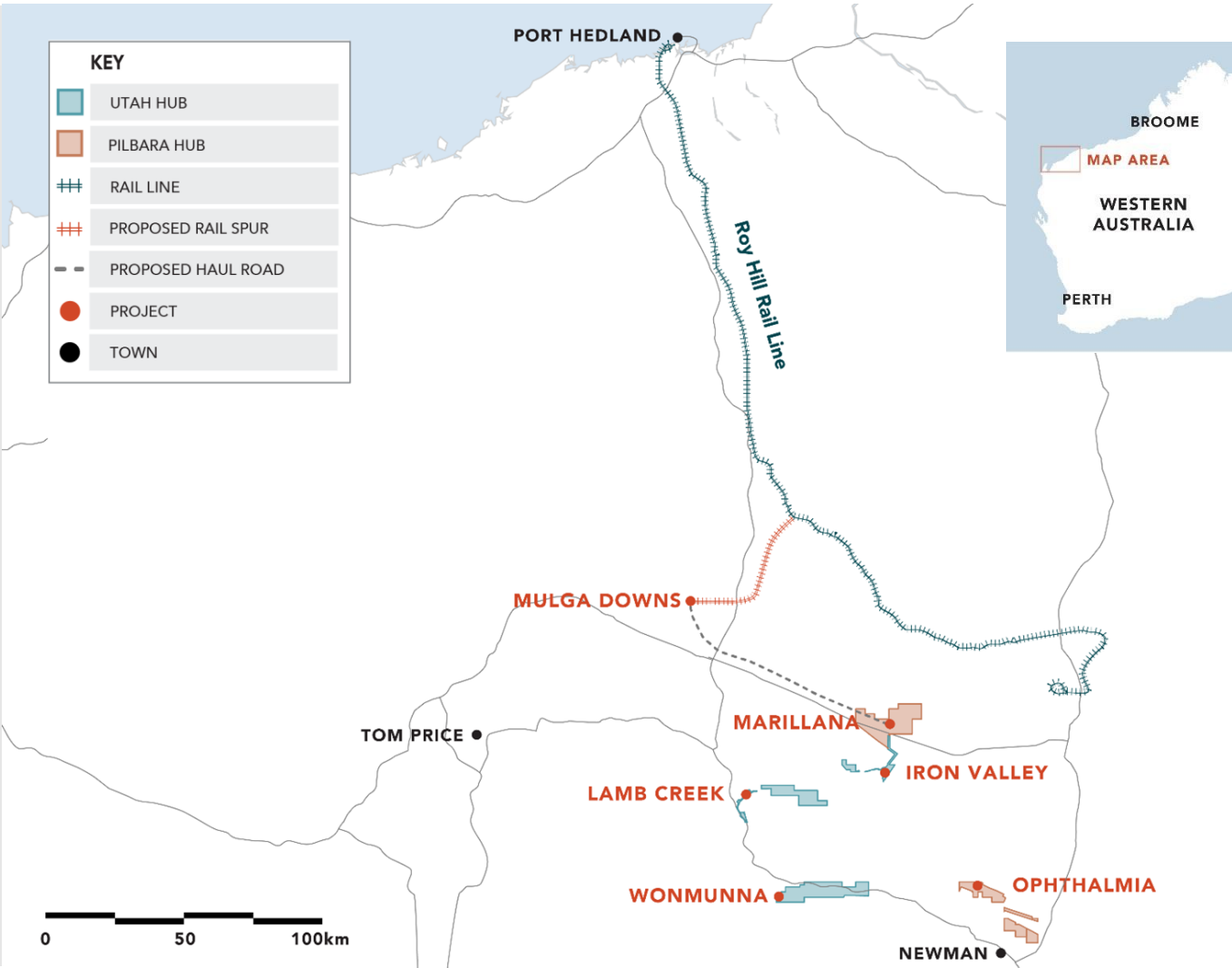


- MinRes/Hancock JV shared rail and port access<sup>2</sup>
- Stanley Point Berth 3 approved by WA Government
- Haul road from Marillana to Mulga Downs

## Timeline



- Minimum 2-year approvals and 2.5+ year development



1. 100% basis.  
2. On 29 November 2021, MinRes announced it entered into a port and rail agreement with Hancock and Roy Hill to jointly investigate the development of a new iron ore export facility at the Port of Port Hedland's Stanley Point Berth 3 in South West Creek, under which Roy Hill has agreed to provide services to both MinRes and Hancock for development and operation of the project, including rail haulage and port services. Feasibility studies are currently underway on an expedited basis. The project is subject to receipt of relevant government approvals and associated licenses.

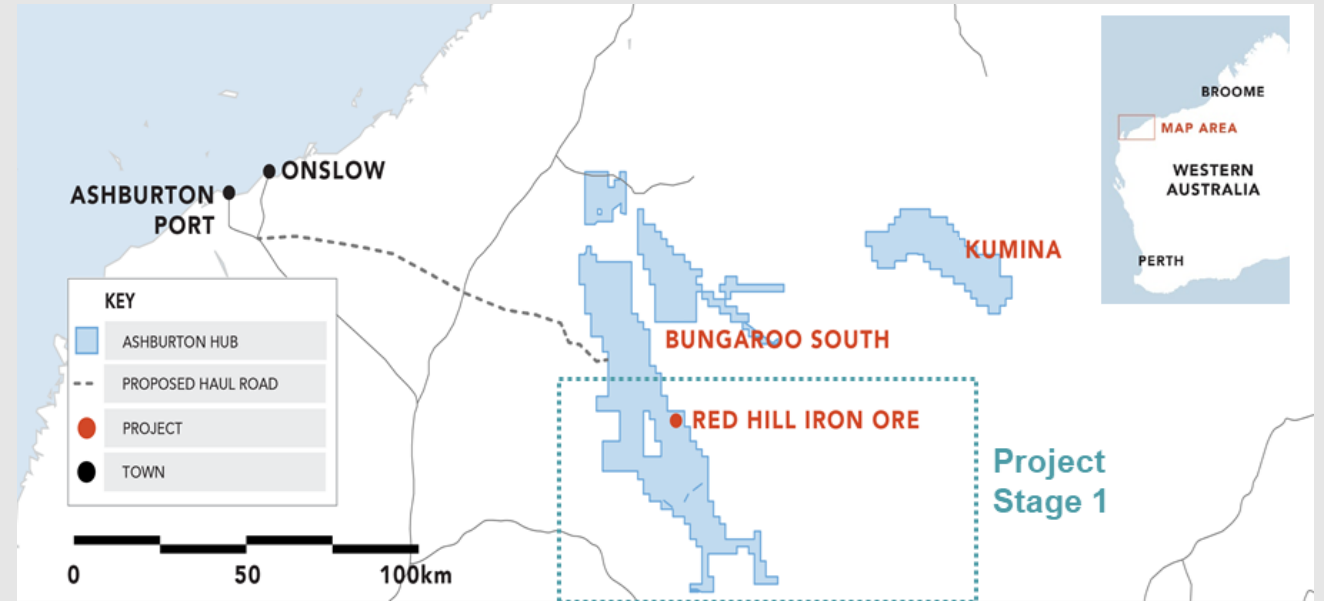


# ONslow IRON DEVELOPMENT

Transformational, low cost, long life sustainable iron ore project with strong joint venture partners

## PROJECT HIGHLIGHTS

- ✓ Board approved
- ✓ Stage 1 – 30Mtpa, 35Mtpa capacity<sup>1</sup>
- ✓ 30 year project life<sup>2</sup>
- ✓ Low operating cost
- ✓ Low risk jurisdiction
- ✓ Low capital intensity – US\$65 per tonne capacity
- ✓ 18 month development – early site works commenced
- ✓ First ore targeted by December 2023<sup>3</sup>
- ✓ Life-of-mine offtake secured with Baowu<sup>4</sup>



**MINE CO**  
60.3% MinRes<sup>5</sup>



**MINING SERVICES**  
100% MinRes  
Crushing  
Haulage  
Port operations  
Transshipping

**INFRASTRUCTURE**  
100% MinRes  
Private haul road  
Port  
Onslow resort  
Power



1. 100% basis wmt.  
2. Stage 1 of the Onslow Iron Development (Onslow Iron Project) will be limited to Red Hill Iron Ore JV ("RHIOJV") tenements and exclude Bungaroo South and Kumina. Expected 18 year mine life on this basis but will be extended out to 30+ years if JV partners contribute deposits (such as Bungaroo South and Kumina).  
3. Subject to all approvals being granted  
4. Baosteel Resources Australia Pty Ltd (Baowu Group) to take 50% of MinRes direct share (57%) of product and has an option to offtake additional 25% of MinRes' direct share.  
5. Effective ownership interest from commercial production. Currently MinRes has a 40% interest and will fund Mine Co capex of \$1.3B as a carry loan to earn a further 17% direct interest. MinRes also holds an indirect interest of 3.3% through its shareholding in Aquila Resources.

# ONslow IRON DEVELOPMENT – MINE CO

Unlocking large stranded deposits in the West Pilbara region

## RHIOJV (MINE CO)

### Assets



- Red Hill Iron Ore (RHIOJV) tenements
  - Ore Reserves 537 Mt at 57.3% Fe<sup>1</sup>
  - Mineral Resources 820 Mt at 56.5% Fe<sup>1</sup>
- All mine site infrastructure and mining fleet

### Ownership<sup>2</sup>



- MinRes 60.3%, Baowu 18.7%, AMCI 10.7% and POSCO 10.3%

### Capex



- \$1.3bn - mine site infrastructure and mining fleet

### Funding



- By funding all Mine Co capex with a carry loan to JV partners, MinRes' direct equity interest increases by 17% from 40% to 57%
- Loan repaid via 80% of JV partners share of pre-tax free cash flow plus interest charge<sup>3</sup>

### Opex



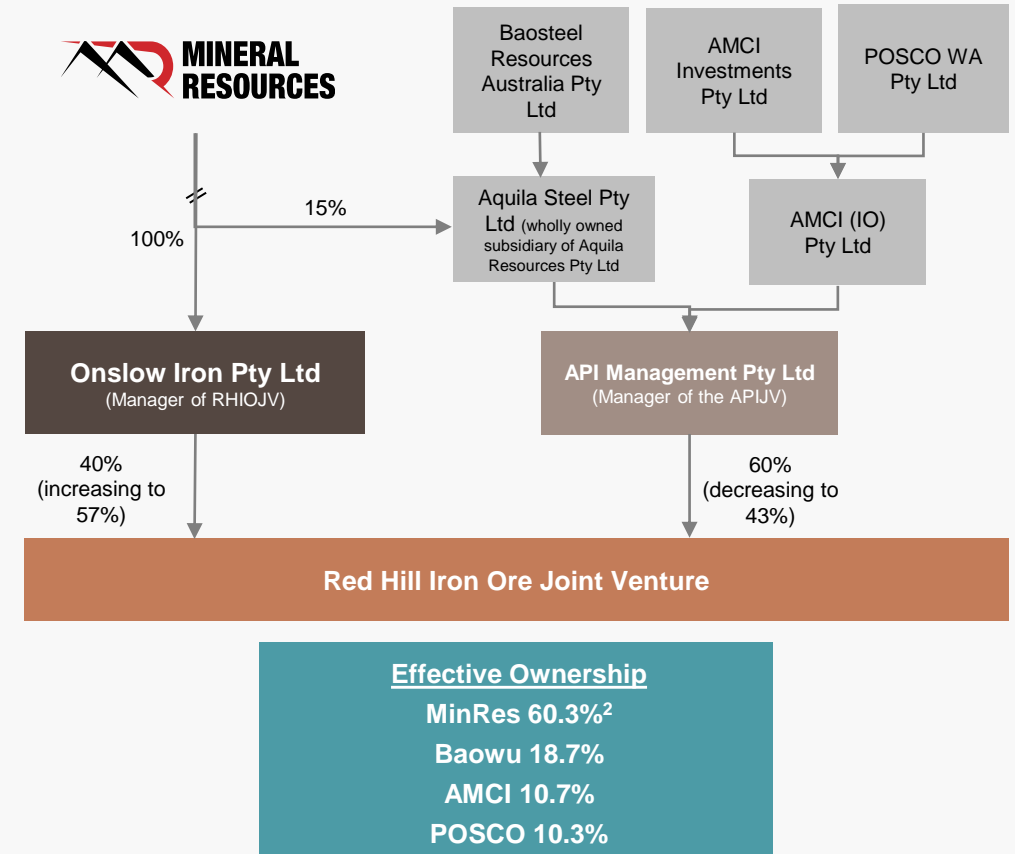
- LOM strip ratio 0.8
- Mine Co opex \$32.28/t FOB ex-royalties<sup>4</sup>
- Plus MinRes infrastructure capital charge \$7.74/t<sup>4</sup>
- Royalties 9.5%

### Offtake



- Baowu life-of-mine offtake for 50% - 75% of MinRes product<sup>5</sup>

## REVISED STRUCTURE<sup>2</sup>



# ONslow IRON DEVELOPMENT THE MINRES MODEL

Annuity mining services and infrastructure contracts

## MINING SERVICES AND INFRASTRUCTURE – 100% MINRES

### Mining services



#### Assets

- NextGen crushing
- Autonomous 320T jumbo road trains
- 5 x 20kt transhippers

#### Revenue

- MinRes charges a \$/t to Mine Co under a life-of-mine contract

#### Volumes

- Total Contract – 140Mtpa
- Crushing – 35Mtpa
- Mine to ship
  - 35Mtpa haulage
  - 35Mtpa port operations
  - 35Mtpa transhipping

### Infrastructure



#### Assets

- Private 150km haul road – pit-to-port
- Port infrastructure
- Transhipper wharfs
- Onslow Resort
- Power

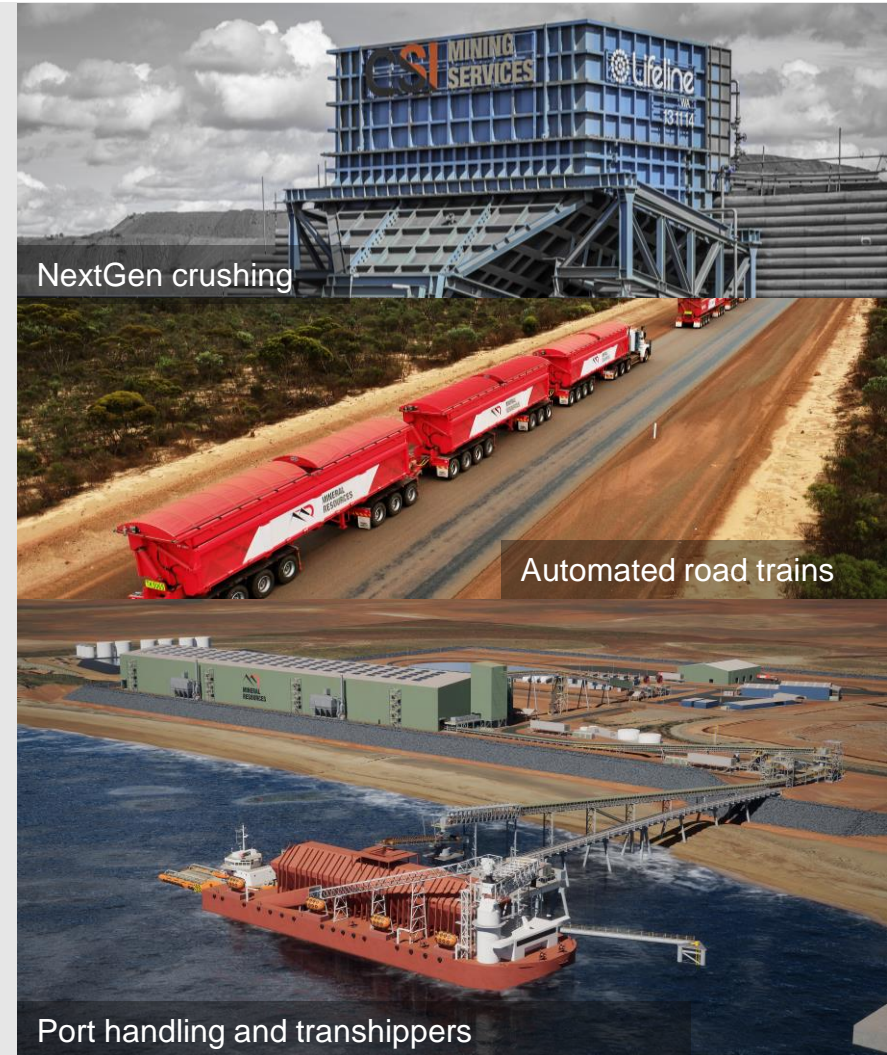
#### Revenue

- MinRes charges Mine Co \$7.74/t life-of-mine capital charge<sup>1</sup>



#### Capex

- \$1.7bn



NextGen crushing

Automated road trains

Port handling and transhippers



# ENERGY GAS PROGRAM

Low cost energy security and transitioning to net zero emissions

## Perth basin



### Lockyer Deep 1 Gas discovery

- Plan to drill at least two exploration/appraisal wells in FY23
- Targeting two additional appraisal wells in FY24
- Plan to bring into production in FY24

### Other acreage

- Plan to drill two exploration wells in FY23
- Potential to bring Red Gully into production FY24

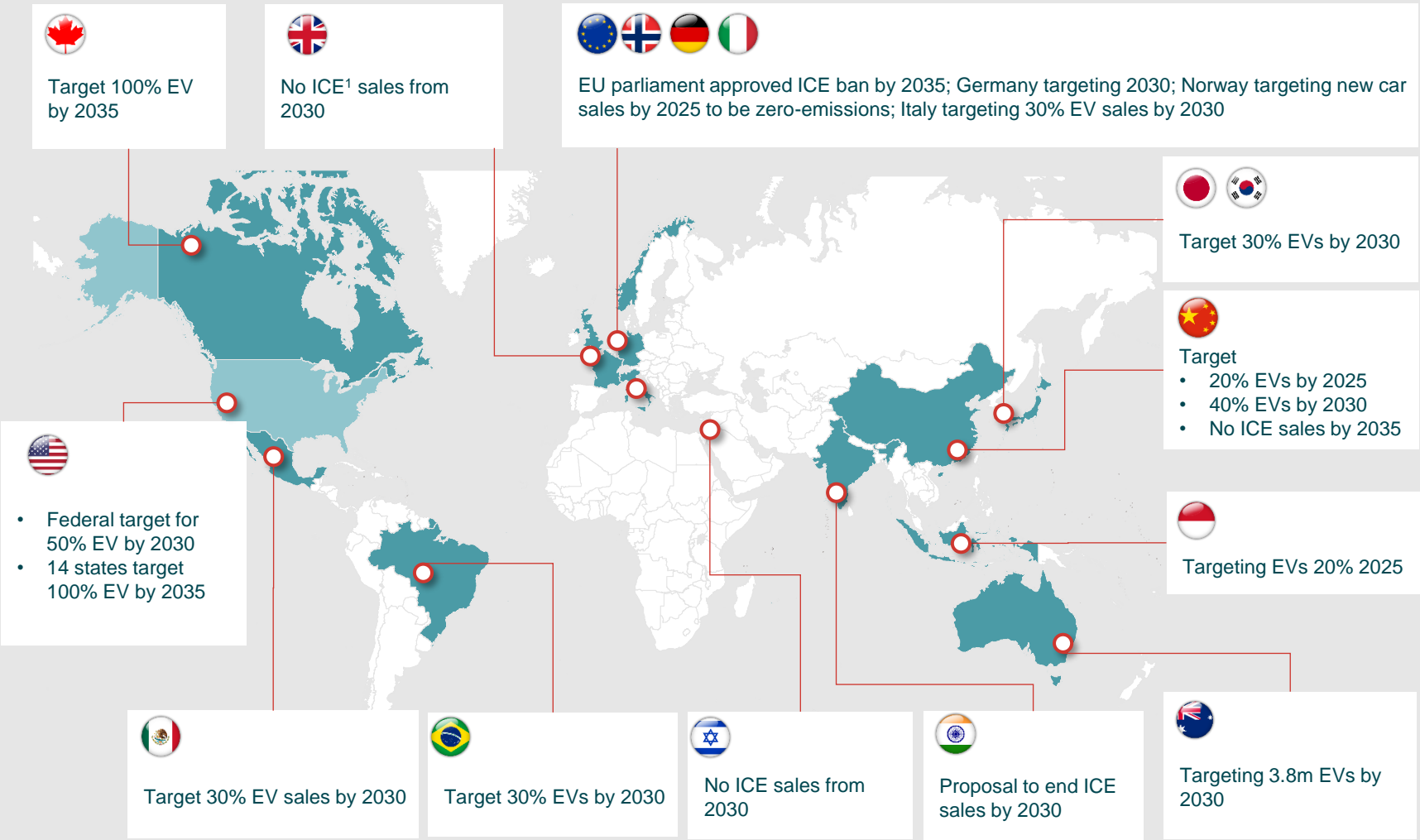
## Carnarvon basin



- Undertaking Carbon Capture and Storage feasibility study
- Plan to drill two exploration wells in FY24



# LITHIUM MAJOR BENEFICIARY OF GLOBAL EV GROWTH



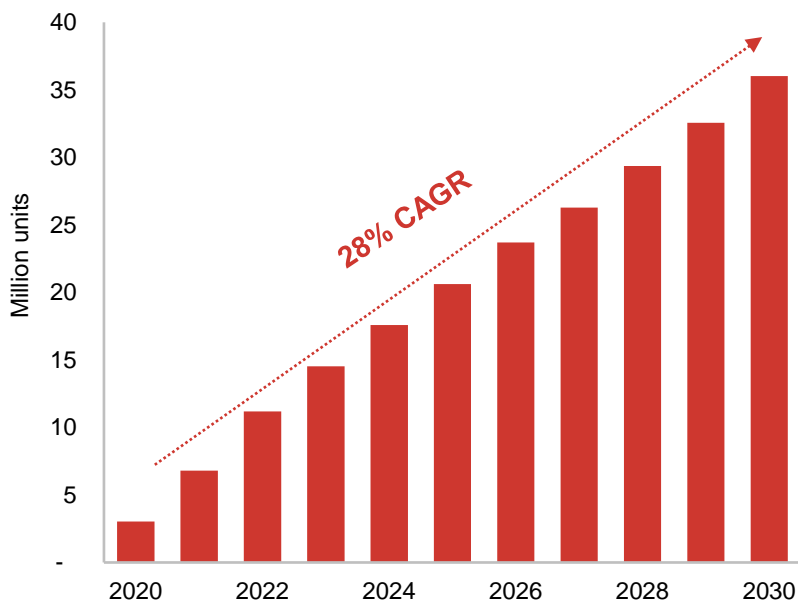
2021 Global EV Sales 11M Vehicles <sup>2</sup>	
2030 Global EV commitment >60M Vehicles	
 TESLA 20M	 10M
 TOYOTA 6M	 STELLANTIS 5M
 4M <sup>3</sup>	 GWM 3M
 3M <sup>3</sup>	 2M <sup>3</sup>
 2M <sup>3</sup>	 2M <sup>3</sup>
 HYUNDAI 2M	Other Large Players ~2M

1. ICE – Internal Combustion Engine.  
2. Wood Mackenzie data.  
3. Company filings. Commitment was calculated as an implied unit sales volume with committed % EV of total production and FY21 production figures.

# STRONG LITHIUM MARKET FUNDAMENTALS

## Strong EV demand to continue

Global passenger EV units<sup>1</sup>



~36M

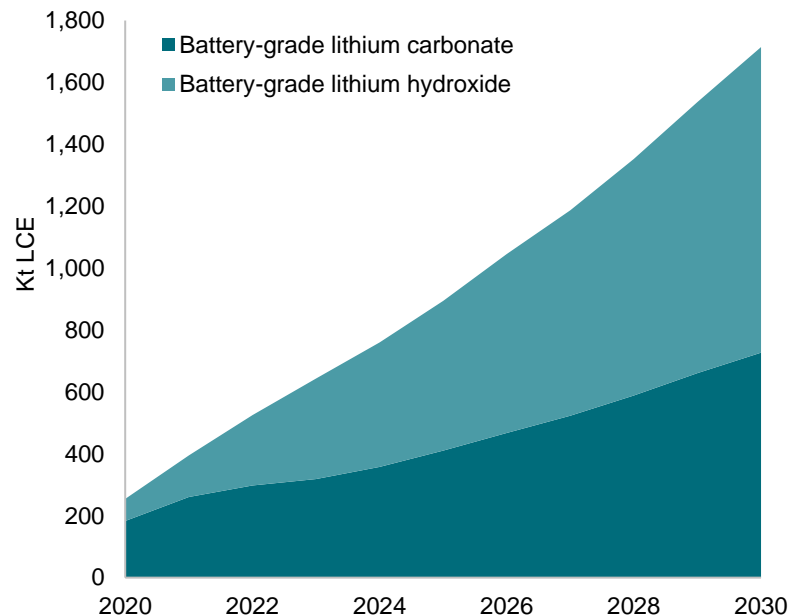
2030 EV units sales: Wood Mackenzie base case

>60M

2030 EV units sales: Vehicle Manufacturers commitment

## Driving strong demand for lithium

Battery-grade lithium chemicals demand<sup>1</sup>



21%

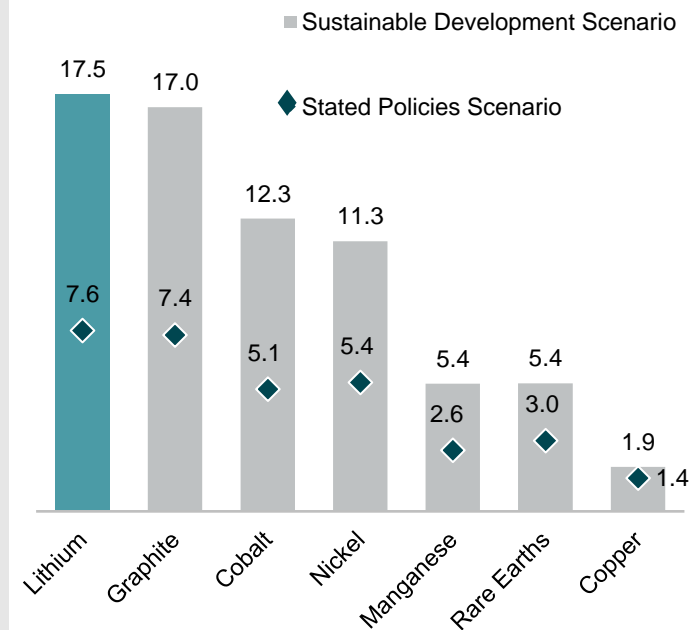
Battery-grade lithium chemicals demand CAGR 2020-2030

30%

Battery-grade lithium hydroxide demand CAGR 2020-2030

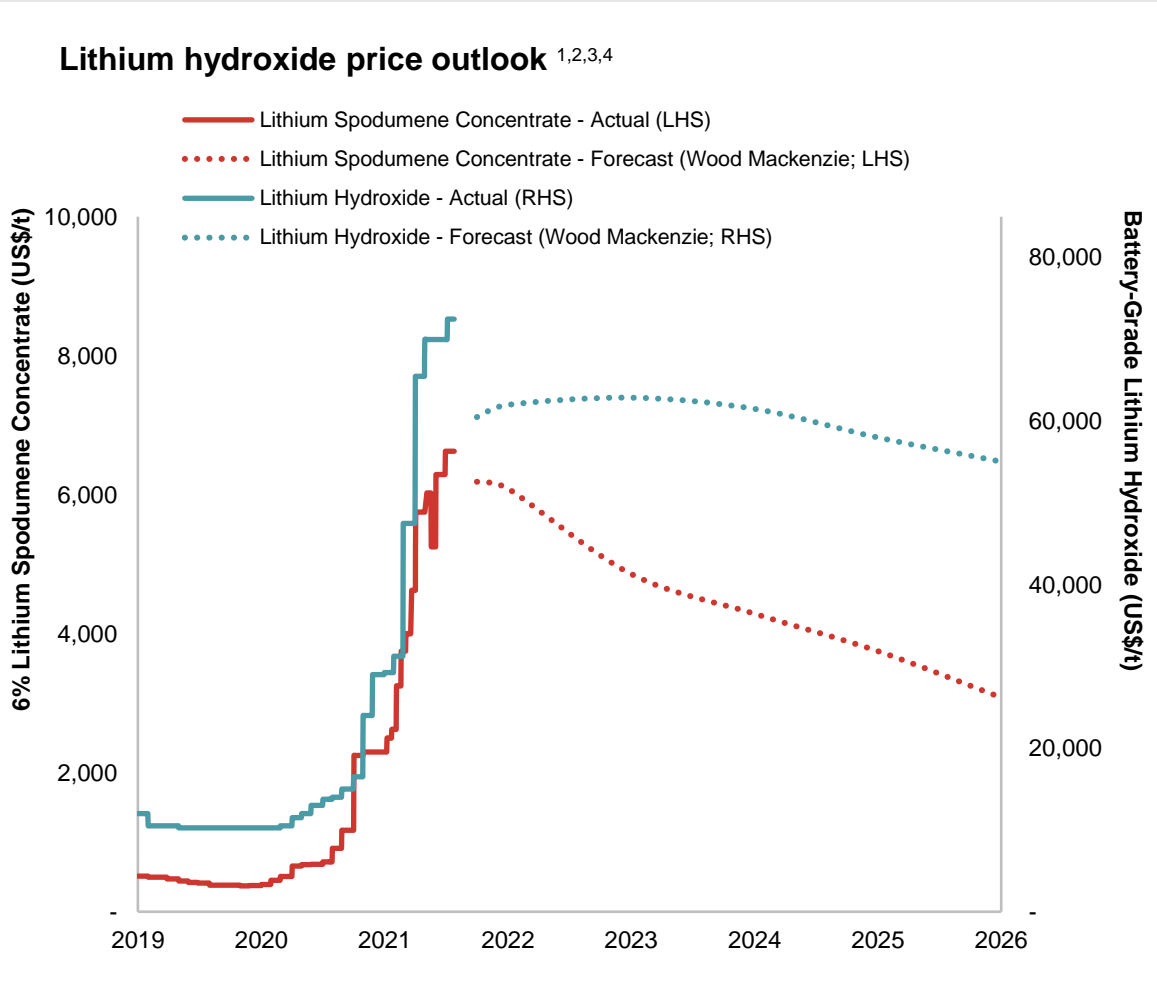
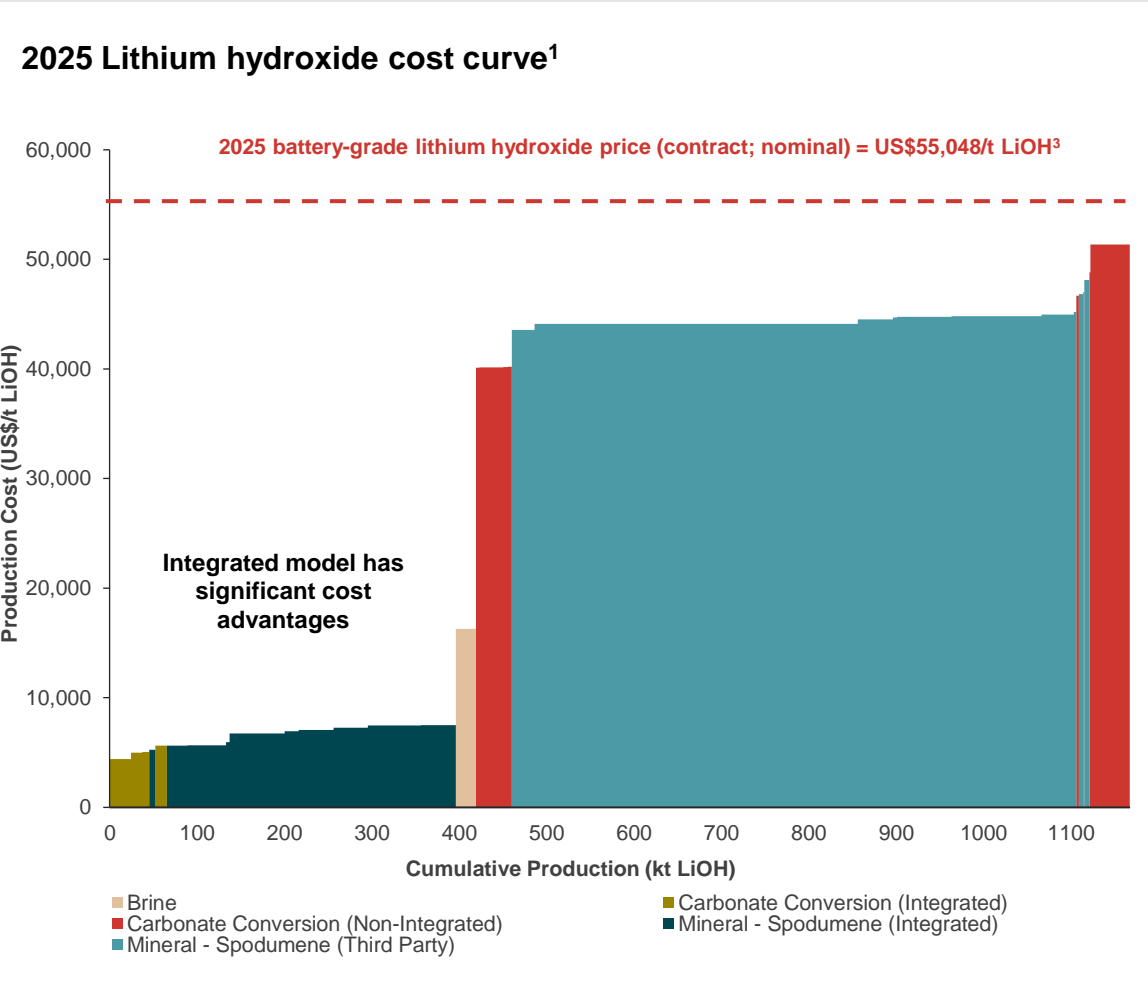
## Lithium provides the best exposure

IEA World Energy Outlook: clean energy minerals demand growth, 2030 relative to 2020 (x)<sup>2</sup>





# MINRES INTEGRATED MODEL – PRICE OUTLOOK





1. Wood Mackenzie. Short Term Outlook Summary July 2022  
2. Actual prices sourced from Fastmarkets.  
3. Lithium hydroxide price based on battery-grade lithium hydroxide and lithium spodumene concentrate price based on chemical-grade spodumene concentrate.  
4. Price outlook based on Wood Mackenzie forecast contract prices for chemical-grade spodumene concentrate and battery-grade lithium hydroxide (CIF, excl VAT, nominal).

# MT MARION LITHIUM



## JV

50%  MINERAL RESOURCES (operator), 50%  GanfengLithium



## Resources<sup>1</sup>

Mineral Resources: 73Mt at 1.2% Li<sub>2</sub>O



## Expansion

Two stage upgrade to 900ktpa mixed grade by December 2022 for \$120M<sup>2</sup>



## Capacity

Spodumene  
✓ 900ktpa<sup>3</sup> mixed grade – 600ktpa at 6%



## Lithium Hydroxide

✓ MinRes' 51% offtake converted into lithium hydroxide



# UPDATE TO PROPOSED RESTRUCTURE<sup>1</sup> OF MARBL JV



## WODGINA



- ✓ Ownership to change from 40% to 50% MinRes
- ✓ Increased exposure and management of Wodgina – a Tier 1 lithium asset
- ✓ MinRes to operate



## WODGINA LiOH CONVERSION

New JV



- ✓ MinRes and Albemarle to jointly fund new 50/50 JV
- ✓ JV to develop hydroxide plants to convert Wodgina spodumene concentrate
- ✓ Albemarle to operate



## KEMERTON LiOH (inc. Greenbushes Feed)



- ✓ Ownership to change from 40% to 15% MinRes
- ✓ Kemerton lithium hydroxide<sup>2</sup> plant fed from Greenbushes
- ✓ Albemarle to operate



## OTHER KEY TERMS





- ✓ Nil cash payments<sup>3</sup>
- ✓ MinRes is targeting alignment with indices to provide full exposure to spot prices



# WODGINA LITHIUM



**JV<sup>1</sup>**

50%  **MINERAL RESOURCES** (operator), 50%  **ALBEMARLE®**



**Resources<sup>2</sup>**

Ore Reserves: 152Mt at 1.2% Li<sub>2</sub>O  
Mineral Resources: 259Mt at 1.2% Li<sub>2</sub>O



**Current Capacity<sup>3</sup>**

- ✓ Train 1 – producing SC6 at nameplate 250ktpa<sup>2</sup>
- ✓ Train 2 – first SC6 produced in July 2022
- ✓ Train 3 – preparing for commissioning. Earliest production mid 2023 subject to market conditions



**Potential Expansions**

- ✓ Train 4 – Construction decision subject to market conditions



**Lithium Hydroxide**

MinRes and Albemarle are jointly studying multiple sites for a future hydroxide plant



# KEMERTON LITHIUM



JV<sup>1</sup>



Ownership to change from 40% to 15% MinRes



Feed

Greenbushes



Current capacity<sup>2</sup>

Train 1 and 2 – 50ktpa lithium hydroxide

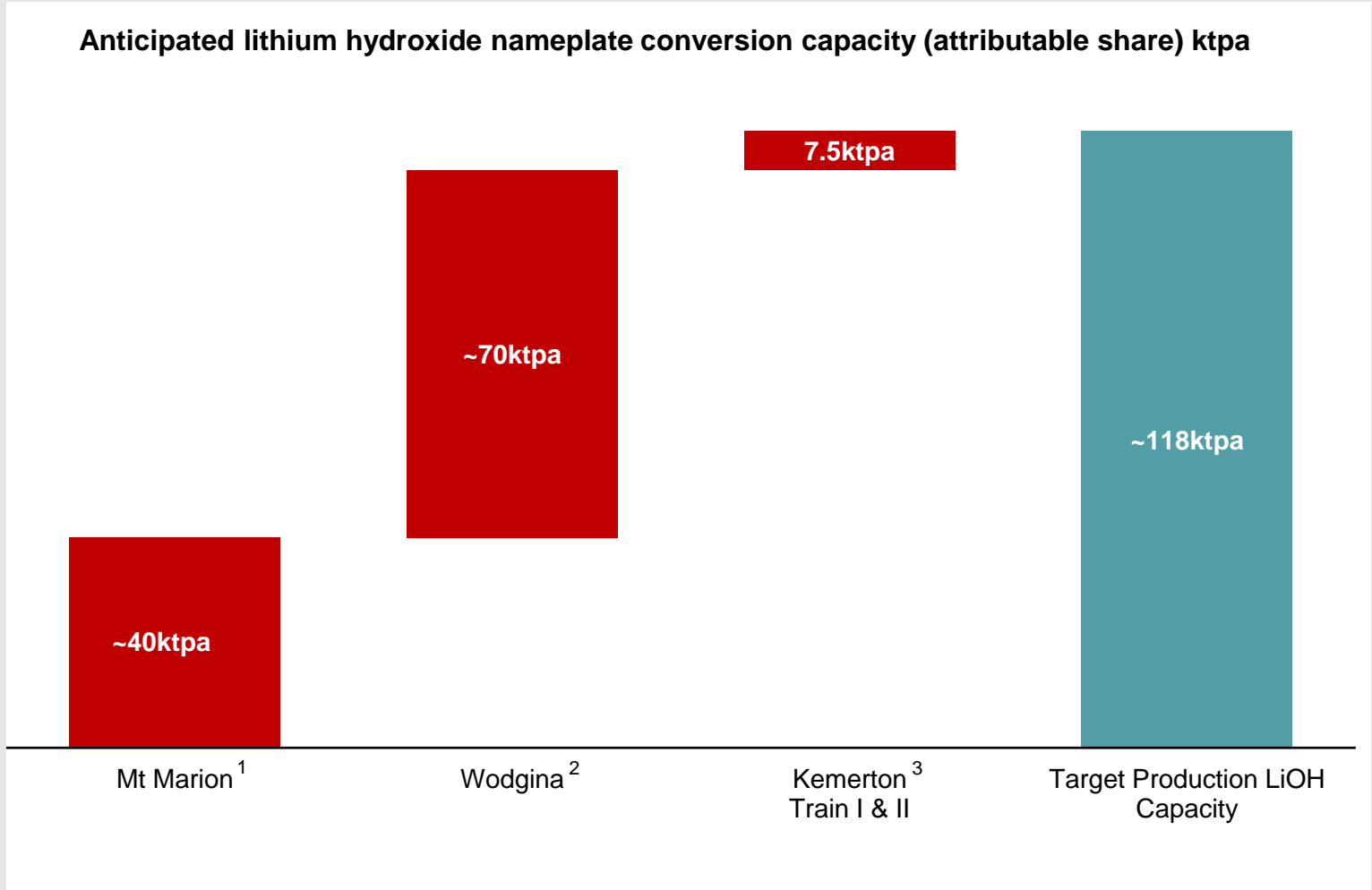
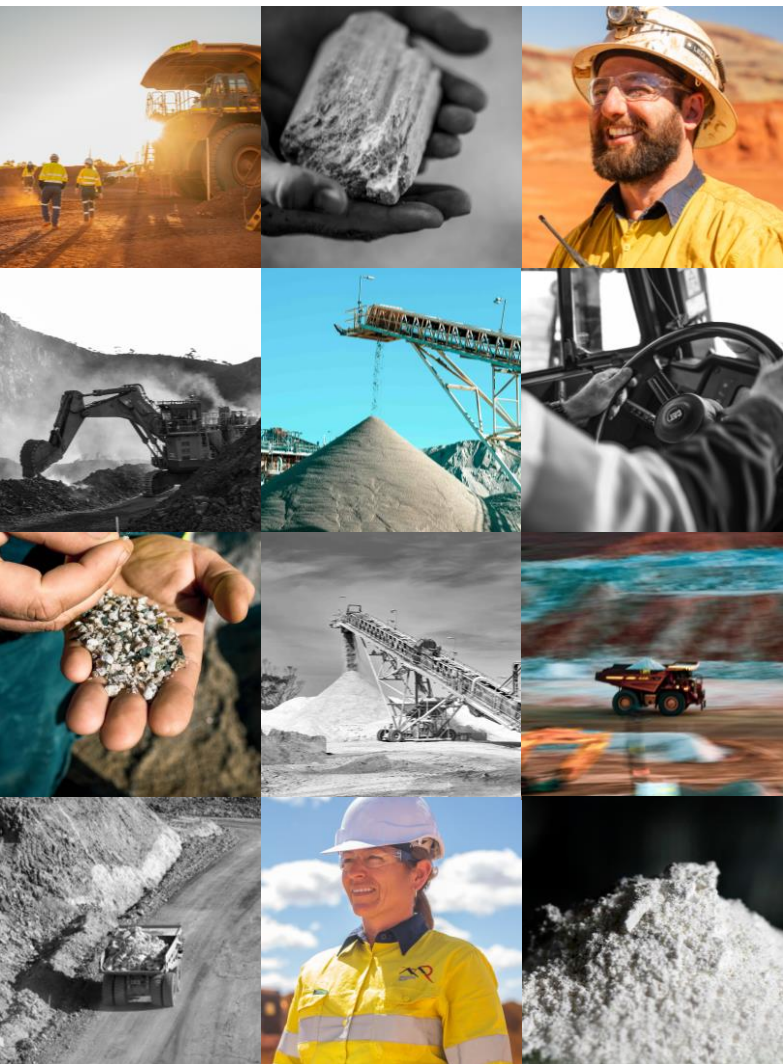


Expansion

- ✓ Train 1 – first product July, 6 month qualification period
- ✓ Train 2 – first product expected 2Q FY23



# FIVE YEAR PLAN LITHIUM



1. Assuming ramp up to 900ktpa mixed grade (equivalent to 600ktpa at 6%) and assuming 7.0x conversion factor from lithium spodumene concentrate into lithium hydroxide.  
2. Assuming 4 trains are in operation with a 1,000ktpa production capacity for spodumene concentrate and assuming 7.0x conversion factor from lithium spodumene concentrate into lithium hydroxide. MinRes and Albemarle have agreed to consider the possible construction of Train 4 at end of this calendar year.  
3. Proposed structure subject to negotiations, refer to slide 37 for details.



# TOWARDS BATTERY MANUFACTURING

Our ambitious long-term vision is to continue capturing more of the battery supply chain.

Onshoring hydroxide processing could be the catalyst to bring in further international partners in the battery supply chain.

MinRes is uniquely placed from hard-rock mining to processing, with potential to partner US, European and Asian auto makers for the Australian manufacture of battery cells.

Hydroxide processing is the first step in building this capability and towards MinRes becoming Australia's first battery cell manufacturer.

## LITHIUM GROWTH VISION

Drive battery manufacturing opportunities in Australia.

Harness Mineral Resources' impressive lithium portfolio and world-class production capacity to help establish a local battery supply chain – supported by long-term supply agreements with electric vehicle manufacturers and battery product retailers.

### PRIORITY AREA



#### GROW PORTFOLIO

Continue to build ownership and investment in hard rock lithium deposits across Western Australia.



#### EXPAND CAPACITY

Further strengthen spodumene concentrate production capacity across our lithium operations.



#### OPTIMISE OUTPUT

Convert all product into lithium hydroxide through owned facilities and joint venture partnerships.

### BUSINESS FOUNDATIONS



#### LOCAL SKILLS AND EXPERIENCE

Prioritising Western Australian jobs and suppliers to strengthen the local economy and its national contribution.



#### INNOVATION

Imagining a better way and bringing together the people, tools and resources to make it a reality.



#### STRONG BALANCE SHEET

Making investment decisions in the best interests of our business, partners and shareholders.

# OUR 30 YEAR TRACK RECORD

1992  
FOUNDED

2006  
ASX LISTING

450  
PEOPLE

\$100M  
MARKET CAP

2022  
ASX 50

5,000  
PEOPLE

\$12bn  
MARKET CAP

## Our track record since 2006 ASX listing

- Grown total assets 50 times to \$7.8bn – 30% pa growth
- Delivered 21% pa return on invested capital<sup>1</sup>
- Generated \$7.4bn in Underlying EBITDA – 25% pa growth
- Cumulative reported NPAT of \$4.3bn
- No equity raises since listing
- Distributed \$9.56 fully franked dividends<sup>2</sup> – 20% pa dividend growth
- Provided shareholders 31% pa Total Shareholder Return (TSR)<sup>3</sup>
- Second best TSR performance versus ASX 300 companies<sup>4</sup>



**THANK YOU  
Q&A?**





# APPENDIX ADDITIONAL INFORMATION



# SUSTAINABILITY HIGHLIGHTS






## SAFETY AND WELLBEING

-  Safety focus – no LTIs, TRIFR 2.33, LTIFR 0.00<sup>1</sup>
-  Targeting Platinum rated head office and resort style camps
-  COVID – largest provider of private testing clinics in WA, bluetooth contact tracing

## ENVIRONMENT

-  Net Zero operational emissions by 2050
-  Transitioning to solar and gas
-  Emissions increased due to growth in FY22
-  Native seed collection campaign with Traditional Owners

## COMMUNITY

-  Financial and social benefits for traditional owners
-  \$5.8M pa spend in community sponsorships and partnerships
-  \$1.7bn pa local procurement spend
-  Implemented our Reconciliation Action Plan

## PEOPLE

-  +5,000<sup>2</sup> employees and contractors
-  139<sup>3</sup> entry level employees – Grads, Trainees, Apprentices
-  Safe & Respectful behaviors initiatives
-  Mental Health: 443 workshop participants, 96 accredited first aid and counselling (Lifeline WA)

MSCI

ESG RATINGS

AA

Companies rated “AA” and above represent the top 10% of MSCI metals and mining (non-precious metals) coverage universe of 60 companies

SUSTAINALYTICS

30.4

Represents the 13th percentile of Sustainalytics diversified metals and mining coverage universe of 134 companies

1. Total Recordable Injury Frequency Rate calculations measure the total number of injuries (excluding first aid) per million hours worked as at 30 June 2022. Lost Time Injury Frequency Rate calculation measure the number of lost time injuries per million hours work as at 30 June 2022.

2. Total employees and contractors as at 30 June 2022.

3. 59 Apprentices and 62 Trainees/Graduates 14 Trade upgrades as at 30 June 2022.

4. Scope 1 & Scope 2 emissions 340,515 t CO<sub>2</sub>e, to be assured.

# RECONCILIATION OF NON-IFRS FINANCIAL INFORMATION

Reconciliation of Non-IFRS Financial Information (\$ million)	1H21	2H21	FY21	1H22	2H22	FY22
<b>Total Revenue</b>	<b>1,531</b>	<b>2,203</b>	<b>3,734</b>	<b>1,354</b>	<b>2,064</b>	<b>3,418</b>
<b>Underlying EBITDA</b>	<b>763</b>	<b>1,138</b>	<b>1,901</b>	<b>156</b>	<b>868</b>	<b>1,024</b>
Depreciation and amortisation	(104)	(154)	(258)	(162)	(190)	(352)
<b>Underlying EBIT</b>	<b>659</b>	<b>984</b>	<b>1,643</b>	<b>(6)</b>	<b>678</b>	<b>672</b>
Interest income	6	4	10	4	7	11
Finance costs	(49)	(47)	(96)	(50)	(74)	(123)
<b>Underlying PBT</b>	<b>616</b>	<b>941</b>	<b>1,557</b>	<b>(52)</b>	<b>611</b>	<b>559</b>
Adjusted tax	(186)	(268)	(454)	16	(175)	(159)
<b>Underlying NPAT</b>	<b>430</b>	<b>673</b>	<b>1,103</b>	<b>(36)</b>	<b>436</b>	<b>400</b>
<i>Items excluded from underlying earnings (net of tax)<sup>1</sup>:</i>						
Impairment charges	(26)	(7)	(33)	-	(11)	(11)
Net fair value gain/(loss) on investments	72	89	161	75	(32)	43
Exchange gains/(losses) on net debt	44	(7)	36	(19)	(62)	(81)
Total excluded from underlying earnings (net of tax)	90	75	165	56	(104)	(49)
<b>Statutory NPAT</b>	<b>519</b>	<b>748</b>	<b>1,268</b>	<b>20</b>	<b>331</b>	<b>351</b>



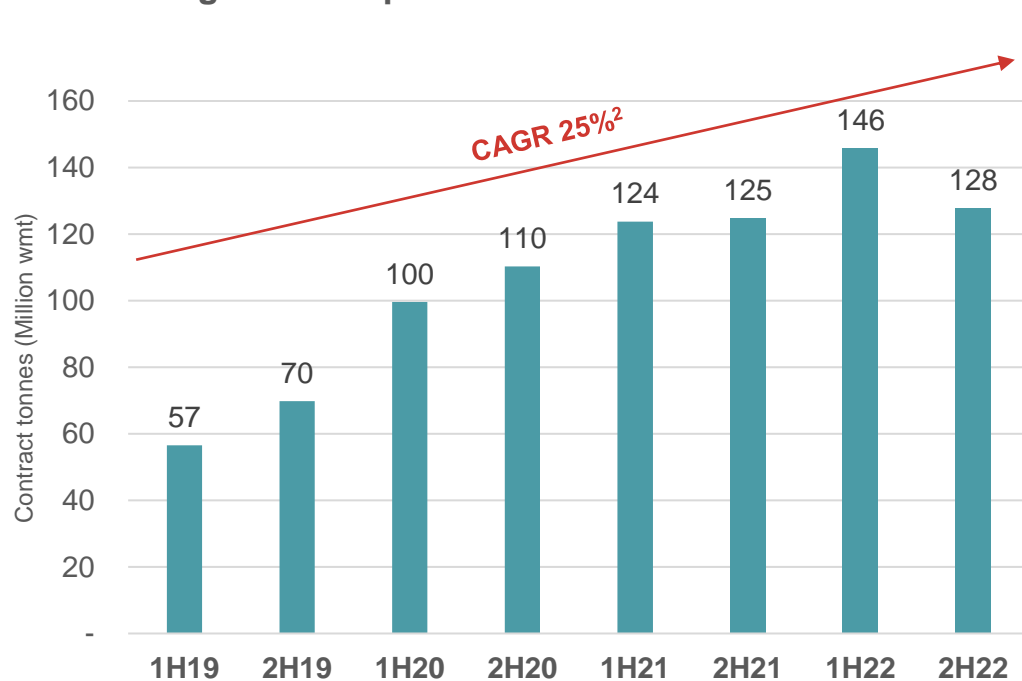
# OPERATING SEGMENTS

- Mining Services revenue and Underlying EBITDA growth was driven by additional volumes at Utah Point Hub and new external contracts won during the year
- Mining Services margins of 25% were marginally down from pcp of 27%, impacted by lower volumes across the Yilgarn supply chain, as well as higher parts and labour costs
- Iron Ore was impacted by weaker iron ore prices and widening discounts in the first half, despite a growth in iron ore volumes. Results strengthened in the second half with the stabilization of iron ore prices and discounts
- Lithium revenue and Underlying EBITDA growth fueled by high lithium prices and the commencement of lithium downstreaming at Mt Marion
- Inter-segment Underlying EBITDA represents Mining Services Underlying EBITDA earned on MinRes' commodity projects where the underlying commodity has not yet been sold, which has increased with the growth in ore stockpiles and overall Commodity volumes

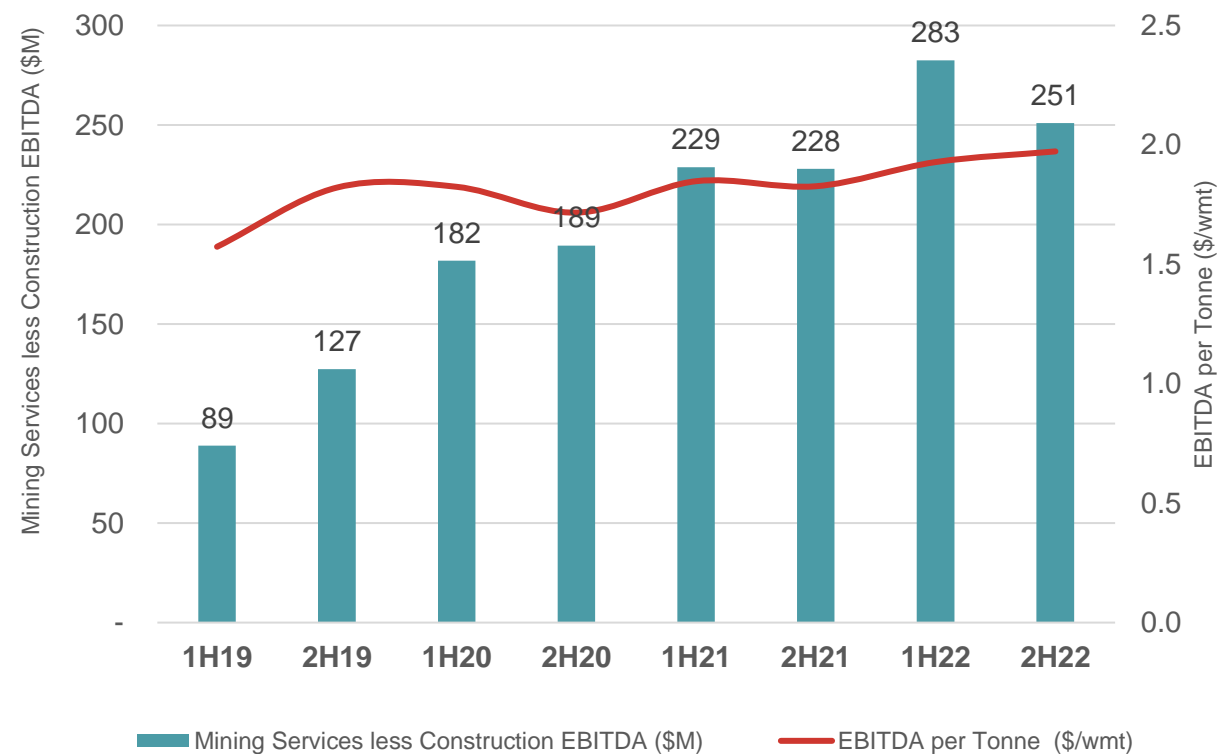
Operating Segments (\$ million)	FY21 Revenue	FY21 Underlying EBITDA	FY21 Margin	FY22 Revenue	FY22 Underlying EBITDA	FY22 Margin
Mining Services <sup>1</sup>	1,750	464	27%	2,137	533	25%
Iron Ore	3,057	1,528	50%	1,996	64	3%
Lithium	130	(11)	(8%)	791	585	74%
Other Commodities	-	-		-	-	
Central	-	(38)		-	(93)	
Inter-segment	(1,203)	(43)		(1,506)	(65)	
<b>MinRes Group</b>	<b>3,734</b>	<b>1,901</b>	<b>51%</b>	<b>3,418</b>	<b>1,024</b>	<b>30%</b>

# MINING SERVICES FY19 TO FY22 PERFORMANCE

Mining Services production-related contract tonnes<sup>1</sup>

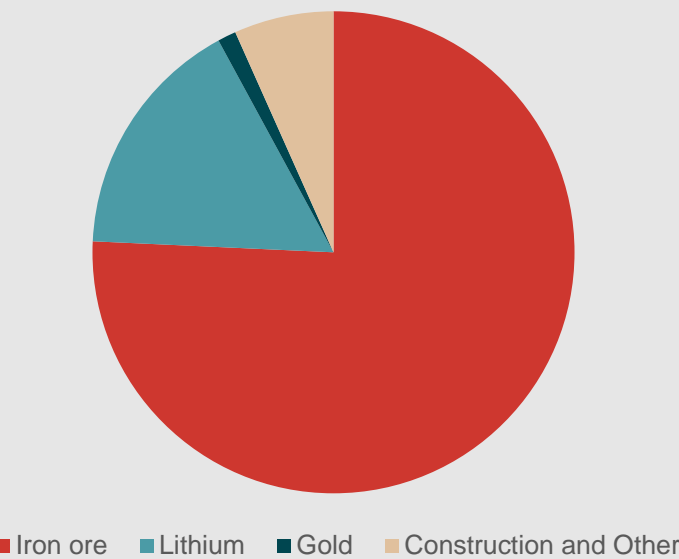


Mining Services less construction EBITDA<sup>3</sup>

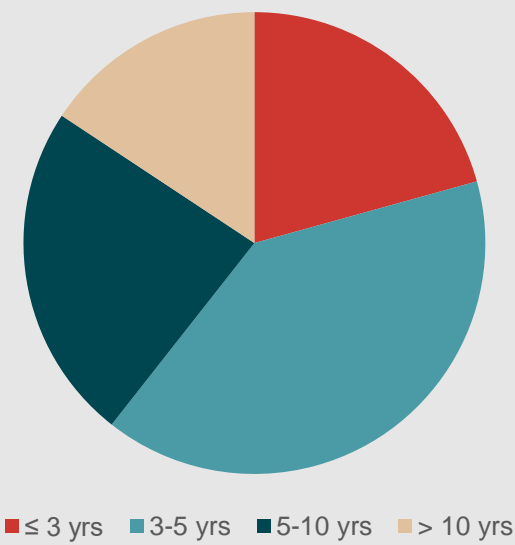


# MINING SERVICES KEY BUSINESS METRICS

REVENUE<sup>1,2</sup> BY COMMODITY



REVENUE<sup>1</sup> BY LENGTH OF CONTRACT





# IRON ORE UTAH POINT HUB

- Record 10.5Mt exported in FY22, 24% lump. Lower lump proportion is due to Wonmunna ore, which has a lower lump to fines ratio, making up a higher proportion of the Utah Point Hub exports
- Realisations and revenue per tonne improved in the second half from narrower discounts and higher lump premiums
- CFR cost per tonne excluding royalties within FY22 guidance, which is higher than pcg due to higher shipping costs

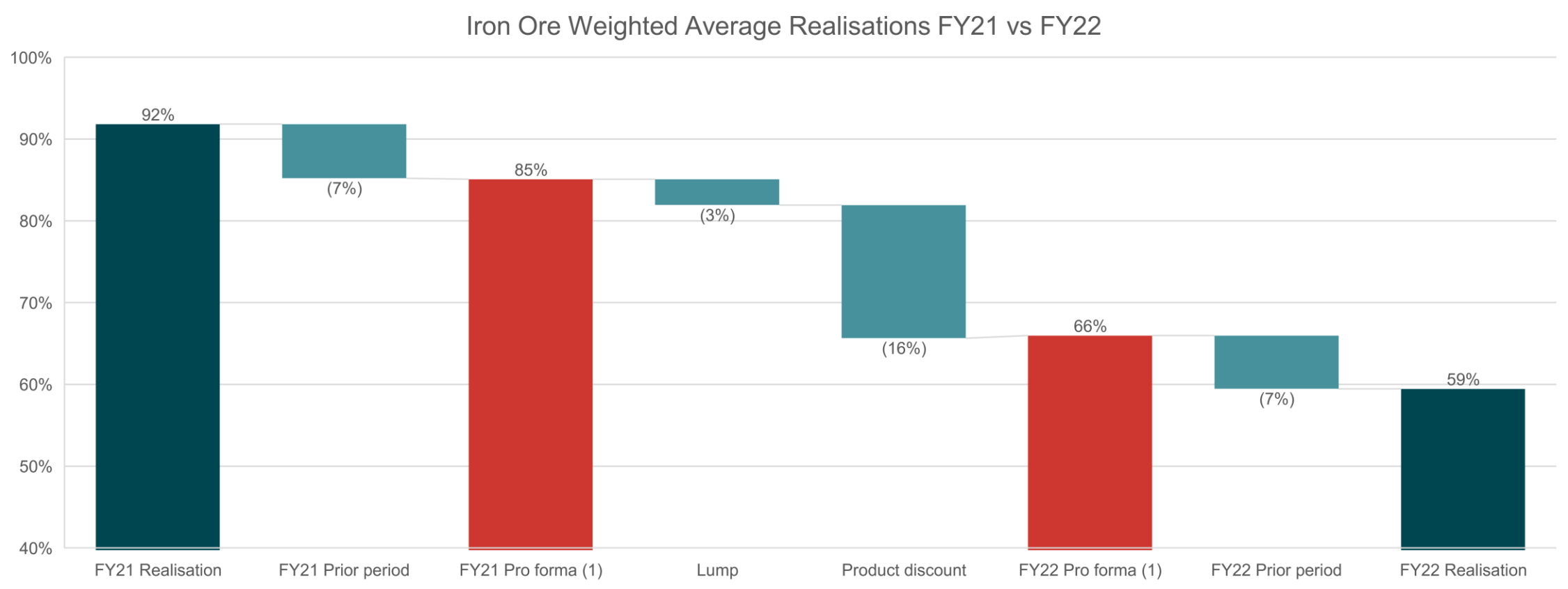
Utah Point Hub			1H21	2H21	FY21	1H22	2H22	FY22
Lump	Exports	kwmt	1,415	1,727	3,142	1,295	1,285	2,580
	Fe grade	%	58.5%	58.8%	58.7%	58.3%	58.9%	58.6%
	Realisation <sup>1</sup>	%	92%	99%	96%	58%	84%	71%
	Revenue	US\$/dmt	115.2	183.3	151.5	79.8	117.3	98.4
	Moisture	%	5.2%	7.5%	6.5%	7.5%	8.3%	7.9%
	Revenue	\$/wmt	150.7	220.2	188.9	100.6	148.3	124.3
Fines	Exports	kwmt	1,519	2,108	3,627	4,141	3,813	7,953
	Fe grade	%	57.5%	57.8%	57.7%	57.8%	57.8%	57.8%
	Realisation <sup>1</sup>	%	98%	85%	90%	52%	65%	58%
	Revenue	US\$/dmt	122.8	157.0	141.9	71.1	91.3	80.8
	Moisture	%	9.2%	11.5%	10.5%	11.2%	11.8%	11.5%
	Revenue	\$/wmt	154.2	180.2	169.3	86.8	111.1	98.5
Weighted average	Exports	kwmt	2,934	3,835	6,769	5,436	5,097	10,533
	Realisation <sup>1</sup>	%	95%	92%	95%	54%	70%	62%
	Revenue	US\$/dmt	119.2	168.8	146.4	73.2	97.9	85.1
	Moisture	%	7.3%	9.7%	8.7%	10.3%	10.9%	10.6%
	<b>Revenue</b>	<b>\$/wmt</b>	<b>152.5</b>	<b>198.2</b>	<b>178.4</b>	<b>90.1</b>	<b>120.5</b>	<b>104.8</b>
	FOB Cost	\$/wmt	56.9	59.6	58.5	60.3	62.3	61.3
	Shipping	\$/wmt	11.2	17.2	14.6	27.6	21.7	24.7
	Royalties	\$/wmt	19.3	31.1	26.0	8.5	13.2	10.8
	<b>EBITDA</b>	<b>\$/wmt</b>	<b>65.1</b>	<b>90.4</b>	<b>79.4</b>	<b>(6.3)</b>	<b>23.2</b>	<b>8.0</b>

# IRON ORE YILGARN HUB

- 8.7Mt exported in FY22 with the removal of high cost tonnes from production in response to the rapid decline in Platts index and widening discounts in the first half
- Realisations and revenue per tonne lower improved in the second half from narrower discounts
- CFR cost per tonne excluding royalties within FY22 guidance, which is higher than pcp due to continued increases in shipping and haulage costs

Yilgarn Hub			1H21	2H21	FY21	1H22	2H22	FY22
Lump	Exports	kwmt	1,874	603	2,477	-	-	-
	Fe grade	%	57.8%	57.5%	57.7%	-	-	-
	Realisation <sup>1</sup>	%	95%	99%	96%	-	-	-
	Revenue	US\$/dmt	119.6	180.9	134.9	-	-	-
	Moisture	%	4.7%	4.1%	4.6%	-	-	-
	Revenue	\$/wmt	157.7	224.8	174.0	-	-	-
Fines	Exports	kwmt	3,105	4,923	8,028	4,421	4,258	8,678
	Fe grade	%	56.9%	56.9%	56.9%	56.8%	56.7%	56.8%
	Realisation <sup>1</sup>	%	94%	85%	91%	50%	64%	57%
	Revenue	US\$/dmt	118.9	156.5	140.6	68.0	89.3	78.5
	Moisture	%	6.7%	5.7%	6.1%	5.2%	5.7%	5.4%
	Revenue	\$/wmt	153.4	191.3	176.7	89.1	117.1	102.8
Weighted Average	Exports	kwmt	4,979	5,526	10,505	4,421	4,258	8,678
	Realisation <sup>1</sup>	%	95%	87%	90%	50%	64%	57%
	Revenue	US\$/dmt	119.2	159.2	139.2	68.0	89.3	78.5
	Moisture	%	6.0%	5.5%	5.7%	5.2%	5.7%	5.4%
	<b>Revenue</b>	<b>\$/wmt</b>	<b>155.0</b>	<b>195.0</b>	<b>176.1</b>	<b>89.1</b>	<b>117.1</b>	<b>102.8</b>
	FOB Cost	\$/wmt	62.2	67.9	65.2	75.3	84.4	79.7
	Shipping	\$/wmt	13.9	15.5	14.8	26.8	17.6	22.3
	Royalties	\$/wmt	0.4	1.3	0.9	2.1	2.4	2.2
	<b>EBITDA</b>	<b>\$/wmt</b>	<b>78.5</b>	<b>110.2</b>	<b>95.2</b>	<b>(15.1)</b>	<b>12.8</b>	<b>(1.4)</b>

# IRON ORE REALISATIONS



1. Realisation excluding the impact of price adjustments for finalisation of iron ore sales contracts on prior period shipments.



# LITHIUM MT MARION

## Lithium Spodumene

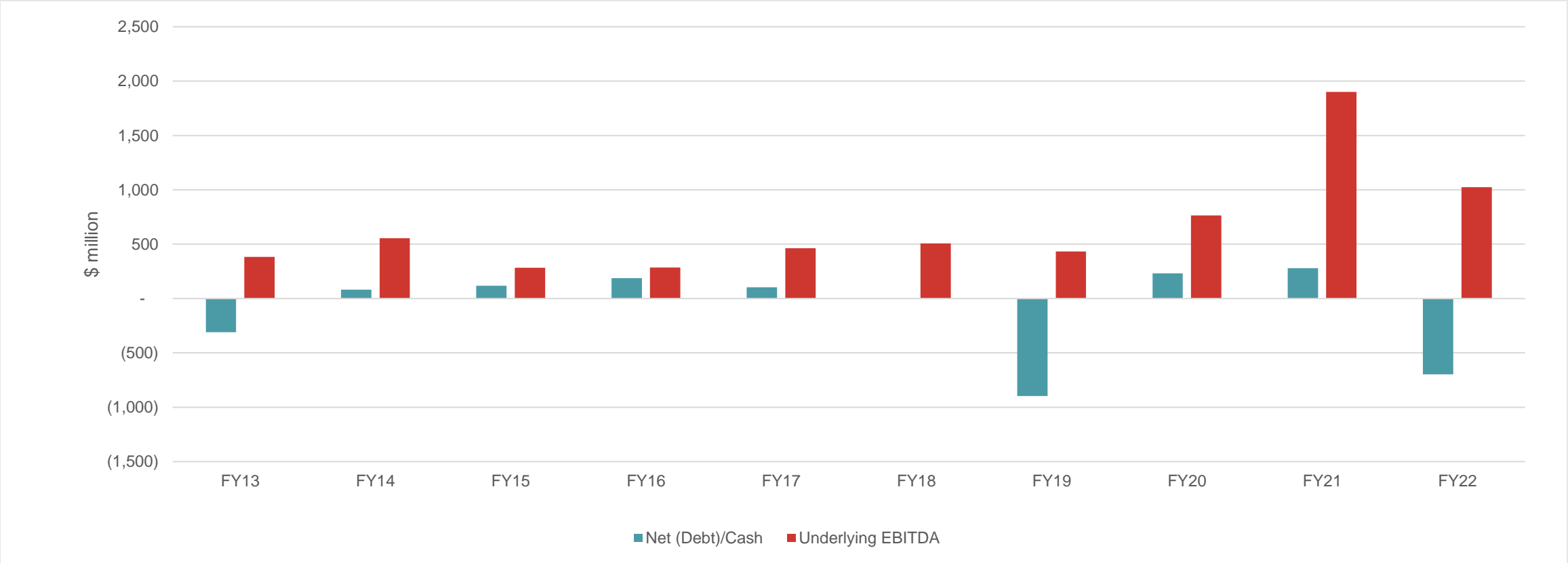
- FY22 spodumene concentrate exports of 442kdm, 31% high grade
- Temporary lower high grade product mix and lower yields due to mining of transitional ore
- Revenue per tonne increased pcp from strengthening spodumene concentrate prices
- CFR cost per tonne excluding royalties higher on pcp due to reduced yields and continued increases in shipping costs

## Lithium Hydroxide

- FY22 lithium hydroxide sales of 6,722t under tolling arrangement with Ganfeng commencing from 1 February 2022

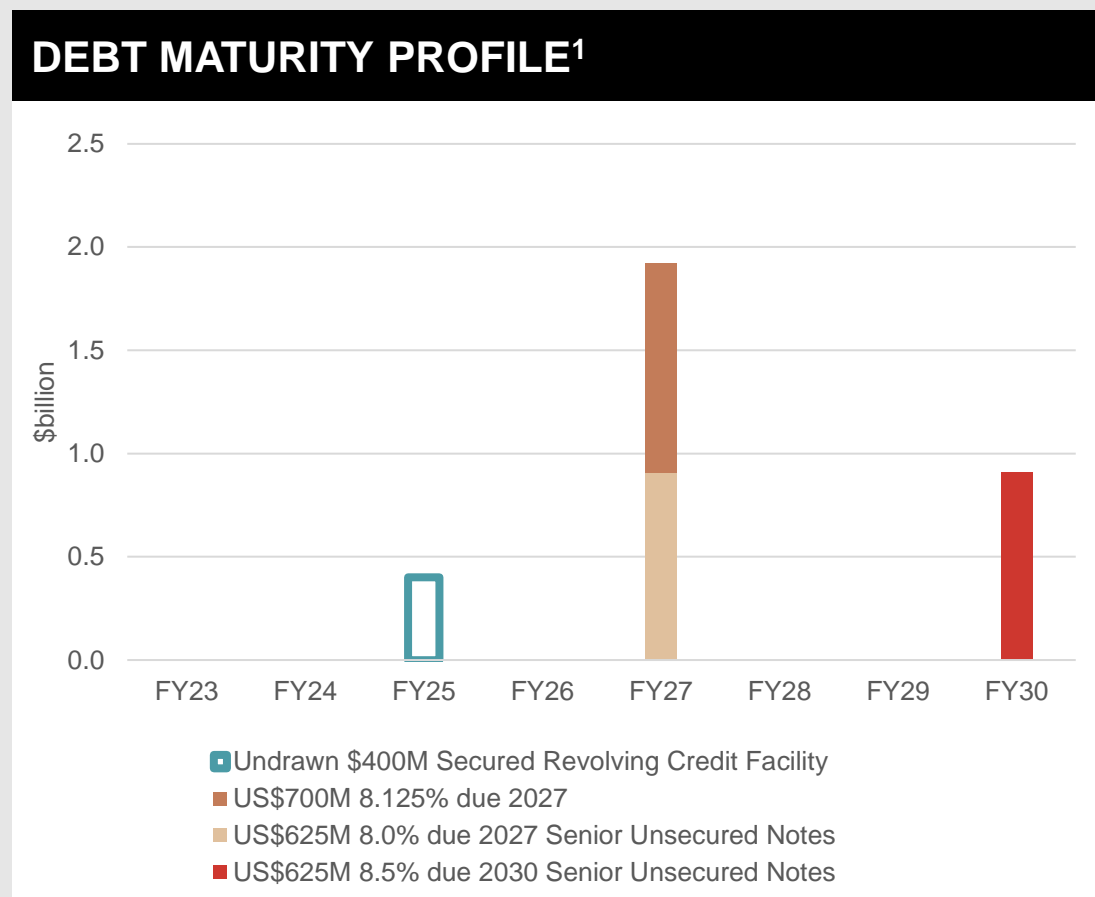
Mt Marion Lithium			1H21	2H21	FY21	1H22	2H22	FY22
Spodumene	Exports (at 100%)	kdm	203	282	485	207	235	442
	High Grade Product contribution	%	76%	66%	70%	55%	11%	31%
	Revenue	US\$/dmt	332.5	455.0	403.8	1,011.0	2,368.8	1,733.0
	Revenue	\$/dmt	458.8	590.5	535.4	1,384.7	3,339.7	2,424.2
	FOB Cost	\$/dmt	396.5	452.7	429.2	551.8	444.8	498.6
	Shipping	\$/dmt	33.1	47.9	41.7	83.9	90.1	83.5
	Royalties	\$/dmt	27.7	39.9	34.8	96.8	240.4	173.1
	EBITDA	\$/dmt	1.4	50.0	29.7	652.2	2,564.3	1,669.0
Hydroxide	Sales (51% share)	t	-	-	-	-	6,722	6,722
	Revenue <sup>1</sup>	US\$/t	-	-	-	-	77,052	77,052
	EBITDA	US\$/t	-	-	-	-	22,899	22,899

# CONSERVATIVELY GEARED THROUGH CYCLES



# CREDIT METRICS AND DEBT MATURITY PROFILE

CREDIT METRICS	FY21	FY22
Cash and equivalents	\$1.5bn	\$2.4bn
Net debt/(cash)	(\$280M)	\$698M
Net gearing	(9%)	18%
Gross gearing	28%	49%
Net debt/(cash) to Underlying EBITDA <sup>2</sup>	(0.1x)	0.7x
Gross debt to Underlying EBITDA <sup>2</sup>	0.7x	3.1x
Underlying EBITDA to net interest <sup>2</sup>	22.2x	9.1x
Underlying EBITDA to gross interest <sup>2</sup>	19.8x	8.3x





# GLOSSARY

<b>1H, 2H, FY</b>	First half, second half, full year	<b>LTIFR</b>	Lost Time Injury Frequency Rate
<b>\$</b>	Australian dollar	<b>M</b>	Million
<b>US\$</b>	United States dollar	<b>Net debt / (cash)</b>	Gross debt less cash and cash equivalents. Includes lease liabilities.
<b>bn</b>	Billion	<b>pcp</b>	Prior corresponding period
<b>CAGR</b>	Compound annual growth rate	<b>ROIC</b>	Return on invested capital
<b>CFR</b>	Cost and freight rate	<b>T or t</b>	Wet metric tonnes unless otherwise stated
<b>CFR cost</b>	Operating costs of mining, processing, rail/road haulage, port, freight and royalties, including mining infrastructure service agreements with MinRes Group entities, direct administration costs, and apportionment of corporate and centralised overheads	<b>TMM</b>	Total Material Mined
<b>dmt</b>	Dry metric tonnes	<b>TRIFR</b>	Total Recordable Injury Frequency Rate per million hours worked
<b>EPS</b>	Earnings per share	<b>TSR</b>	Total Shareholder Return being CAGR in gain from change in share price plus dividends paid
<b>FOB cost</b>	Operating costs of mining, processing, rail/road haulage and port, including mining infrastructure service agreements with MinRes Group entities, direct administration costs, and apportionment of corporate and centralised overheads. Excludes royalties and freight.	<b>Underlying EBIT</b>	Earnings Before Interest and Tax adjusted for impact of one-off, non-operating gains or losses
<b>Gross debt</b>	Total borrowings and finance lease liabilities	<b>Underlying EBITDA</b>	Earnings Before Interest, Tax, Depreciation and Amortisation adjusted for impact of one-off, non-operating gains or losses
<b>Gross gearing</b>	Gross debt / (gross debt + equity)	<b>Underlying PBT</b>	Profit Before Tax adjusted for impact of one-off, non-operating gains or losses
<b>k</b>	Thousand	<b>Underlying NPAT</b>	Net Profit After Tax adjusted for after tax impact of one-off, non-operating gains or losses



#### INVESTOR RELATIONS

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**ASX:MIN**

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