

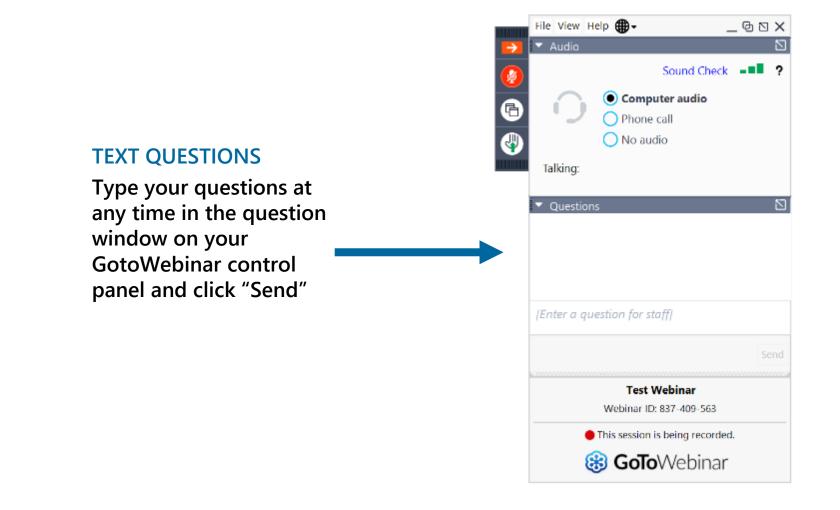
RED HAWK WEBINAR PRESENTATION BLACKSMITH PROJECT PRE-FEASIBILITY STUDY ANNOUNCED 1 MAY 2024



RED HAWK MINING, MAY 2024

Q&A







Shares on issue	199.8M
Performance rights/options	11.2M
Share price (2 May 2024)	\$0.87
12 month high	\$0.80
12 month low	\$0.39
Market capitalisation (2 May 2024)	\$173.6M
Cash at bank ¹	\$9.3M

SHARE PRICE



1	DIRECTORS	
1	Hon. Cheryl Edwardes, AM	Independent Non-Executive Chair
7	Steven Michael	Managing Director and CEO
)	Rob Foster ²	Non-Executive Director
7	Daniel Harris	Independent Non-Executive Director
1	Amy Jiang ³	Non-Executive Director
1	MANAGEMENT TEAM	
	Adam Hall	GM – Projects
	Jeanette Hasleby	GM – ESG and Approvals
	Matt Owen	Chief Financial Officer
	Andrew Whitehead	GM – Commercial
	Lisa Wynne	Company Secretary
	MAJOR SHAREHOLDERS	
	TIO (NZ)	60.71%
24	OCJ Investment (Australia)	21.20%

1. As at 31 March 2024

2. Nominee of TIO (NZ)

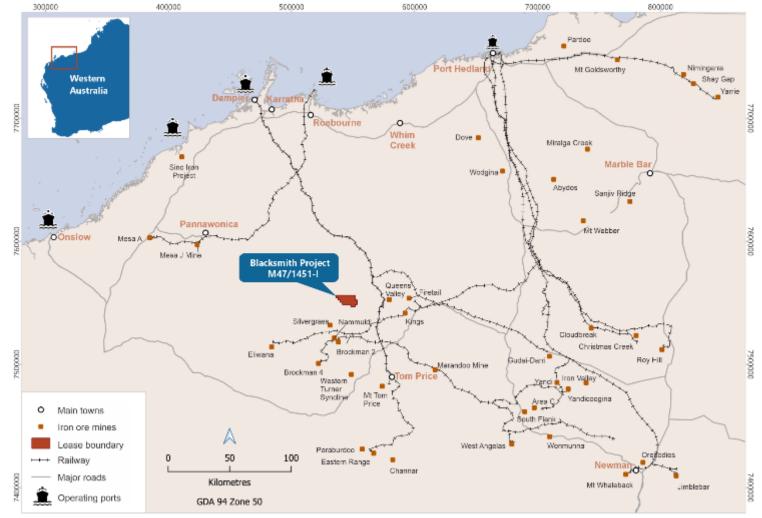
3. Nominee of OCJ Investment (Australia)

BLACKSMITH PROJECT OVERVIEW



- Located approximately 70km north-west of Tom Price
- Nestled amongst many major iron ore projects, including Mt Tom Price, Brockman, Solomon and Eliwana
- The region contains significant road, rail and power infrastructure







The Pre-Feasibility Study for the Blacksmith Iron Ore Project demonstrates the economic viability of developing a 5Mtpa DSO project

ANNUAL PRODUCTIONNPV8% (PRE-TAX)5Mtpa\$523M		<i>сарітаl рауваск</i> 3.3 years	<i>"I am extremely proud of the Red Hawk team along with the technical and commercial consultants who have delivered an outstanding Pre-Feasibility Study for the Blacksmith Project.</i>
<i>average grade</i> 60.5% Fe	<i>IRR (PRE-TAX)</i> 31%	LIFE OF MINE 23 years	The increase in scope to 5Mtpa and continued optimisation of mining, process and haulage has created a technically robust and financially attractive project.
<i>ьом ст соъть</i> US\$51/t	<i>capital costs</i> \$217M	total lom production 101Mt	Red Hawk remains committed to delivering first ore on ship in late 2025 and will move rapidly onto preparation of a Definitive Feasibility Study with all workstreams driven by this goal."

- Inclusion of four deposits Delta, Paragon, Blackjack and Champion
- Maiden Ore Reserve at the Delta deposit underpinning the first 13 years of production
- Development of an AACE Class 4 capital and operating cost estimate and execution schedule

The Hon. Cheryl Edwardes AM Chair, Red Hawk Mining



A team of high-quality consultants and partners

Ausenco

Ausenco Process plant, infrastructure, road and intersection design, capital and operational cost estimates, master schedule, risk assessment, project development, forward work plan



AMS Aerodrome design consultants



ERM Australia Geology and Mineral Resource Estimates



FTI Consulting Financial modelling and analysis



Hypercube Scientific Haulage simulation modelling



MGM Bulk Transport and logistics



NeoMet Metallurgy and marketing



Orelogy Mine planning and Ore Reserve



Pastin Transport logistics Preston Consulting

Preston Consulting Approvals and environment

consultants



SME Geotechnical Open pit geotechnical assessment



Worley Hydrology and Plant hydrogeology



WSP Plant site geotechnical engineering

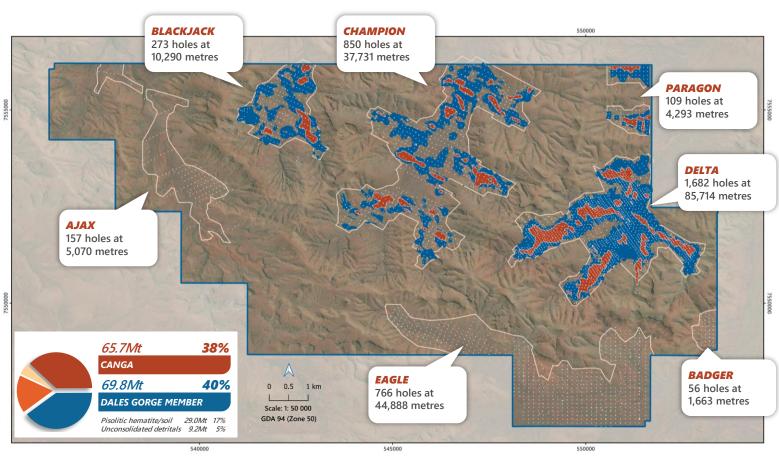
GEOLOGY AND MINERAL RESOURCE ESTIMATES



- Extensive exploration drilling completed from 2008 to 2024 has defined iron ore resources in seven shallow deposits
- Over 200,000m of historic drilling, mainly RC, with additional diamond core and sonic drilling
- Hematite-dominant canga generally has iron content above 60% Fe
- Dales Gorge Member underlies canga and is predominantly goethite

BLACKSMITH DSO MINERAL RESOURCE ESTIMATE (57.5% Fe cut-off)¹

JORC classification	Tonnage Mt	Fe %	P %	SiO ₂ %	Al ₂ O ₃ %	LOI %
Indicated	165.2	60.0	0.085	5.11	3.24	4.86
Inferred	8.6	59.8	0.102	4.12	2.54	6.98
Total	173.8	60.0	0.086	5.06	3.20	4.97



IRON ORE RESOURCES (ASX-LISTED COMPANIES)¹



- Total Blacksmith DSO Mineral Resource Estimate of 174Mt at a grade of 60% Fe
- *95% of the Mineral Resource Estimate is classified as Indicated*
- Blacksmith contains the largest undeveloped hematite/goethite resources in the Pilbara wholly owned by an ASX-listed junior iron ore company
- Potential to increase DSO Mineral Resource Estimate through re-interpretation of Eagle and Badger deposits



IRON ORE RESOURCES FOR SELECTED ASX-LISTED COMPANIES (excludes magnetite resources) 66% Iron Ridge (FEX) 64% JWD Blacksmith (CUF) **Koolan Island** Delta, Paragon, (MGX) **Champion & Blackjack** (RHK) 62% Resource Grade (Fe %) 60% Shine (FEX) 58% 56% Yarram (CUF) % Inferred % Measured 54% % Indicated Size of bubble is contained iron (Mt x Fe%) 52% Λ 20 40 60 140 160 180 80 100 120 200 **Resource Tonnes (Mt)**

MAIDEN ORE RESERVE

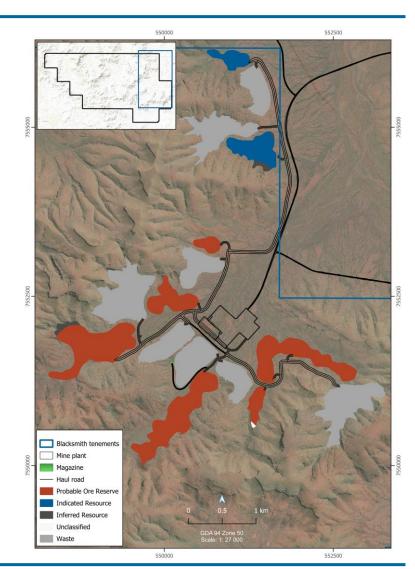


- PFS supports the reporting of a maiden JORC-compliant Probable Ore Reserve for the Delta deposit of 46Mt at 60.5% Fe
- Reserve includes 48% of the Project's total ore mined and 86% of the Project's first 13 years of production
- In addition, the Reserve is substantially above the water table
- Ore Reserve has been determined as economically viable as a stand-alone project

BLACKSMITH DSO PROBABLE ORE RESERVE (57.9% Fe cut-off)¹

Description	Units	Quantity
Probable Ore Reserve	Mt	45.98
	Fe%	60.54
Waste	Mt	75.37
Total	Mt	121.35
Strip ratio	Waste : ore (tonnes)	1.64

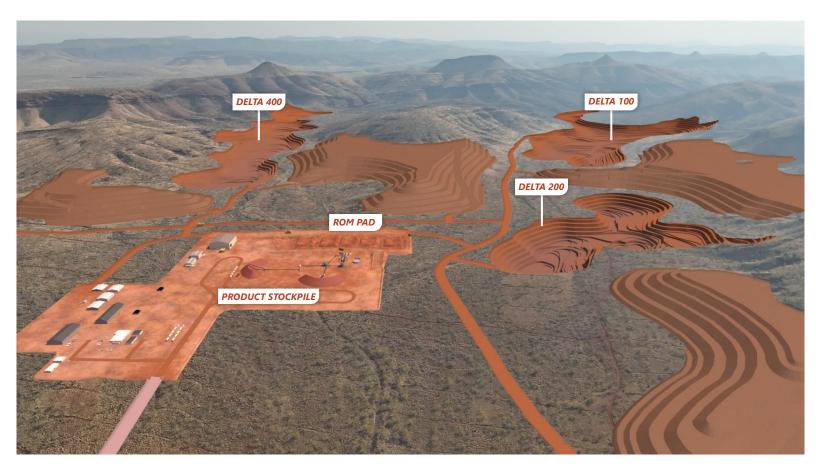
It should be noted that Inferred Resources have a lower level of geological confidence and there is no certainty that further exploration work will result in the determination of Indicated Mineral Resources or Ore Reserves or that the production target itself will be realised.



MINING



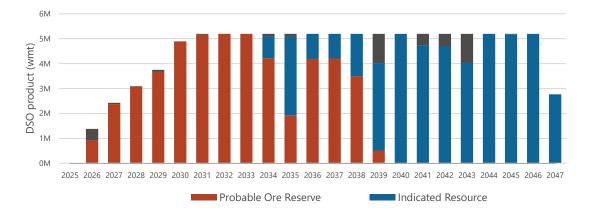
- Blacksmith will be developed employing a conventional open pit mining methodology using a typical drill/blast/load/haul mining cycle
- The mining operations are planned to be undertaken by a suitably experienced mining contractor
- The mining contractor will supply, operate and maintain an appropriately sized mine production fleet to undertake the proposed mining operation
- The scheduling approach, target and constraints used in developing the mine plan included a maximum total material movement (TMM) allowance of 16Mtpa and maintaining a longterm production rate of 5Mtpa

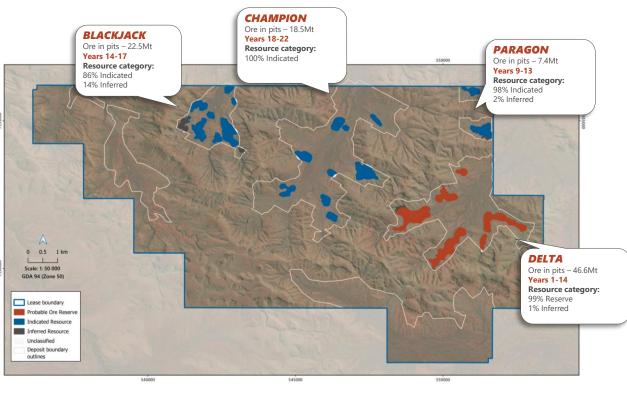


MINING



- The PFS has delivered an updated mine plan for the Blacksmith Project to that of the Scoping Study
- It commences activity in Delta and Paragon and then transitions to the Blackjack and Champion deposit
- PFS extends the Life of Mine production of direct shipping ore (DSO) from 55Mt (Scoping Study) to 98Mt at a grade of +60.0% Fe
- Study also increases the long-term production rate from 3Mtpa to 5Mtpa





Location and scheduling of Mineral Resource categories

DSO by mineral classification product

LOGISTICS AND TRANSPORT



- Iron ore will be transported over a combination of private roads and the public road network via a Whim Creek staging facility to the Utah Point Bulk Handling Facility
- The Whim Creek staging facility provides maximum operational flexibility for haulage, stockpiling, and risk mitigation
- Red Hawk entered a strategic partnership with MGM Bulk to develop and optimise the transport and logistics strategy, focusing on maximising productivity and reducing unit operating costs



Whim Creek staging facility location

BLACKSMITH TO WHIM CREEK

332km on Mine Access Road and Manuwarra Red Dog Highway

WHIM CREEK TO UTAH POINT

114km on North West Coastal Highway and Great Northern Highway

MINE ACCESS ROAD

23km private haul road

WHIM CREEK STAGING FACILITY

Stockpiling yard, capacity management functions, workshop, camp accommodation

NUMBER OF OPERATING TRUCKS

20	33	50	66	83	
1.2Mtpa	2Mtpa	3Mtpa	4Mtpa	5Mtpa	
NUMBE	R OF DRI	VERS			
54	90	135	180	225	
1.2Mtpa	2Mtpa	3Mtpa	4Mtpa	5Mtpa	



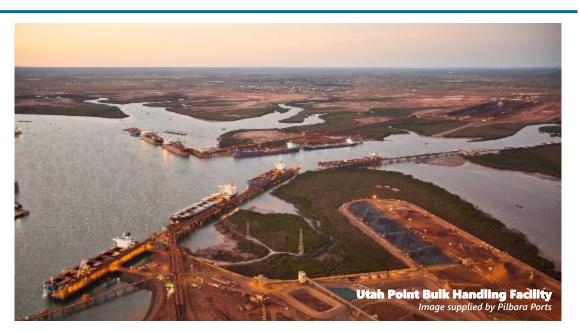
Transport route to Utah Point

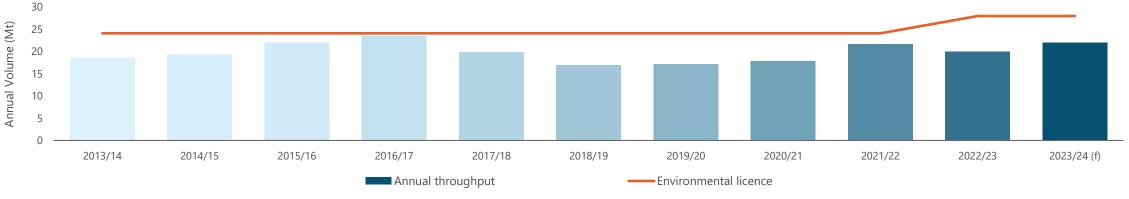


PORT AND SHIPPING



- The Port of Port Hedland is the world's largest bulk export port with iron ore exports in 2022-23 of 536Mt, accounting for 61% of Western Australia's iron ore sales volumes. During 2023, 20Mt was exported from the Utah Point Bulk Handling Facility, with the majority being iron ore
- Red Hawk plans to use Utah Point for the export of its iron ore products and is working with Pilbara Ports to gain an allocation through multi-use bunkers when these become available
- Red Hawk is also holding discussions with existing users on capacity sharing at the port



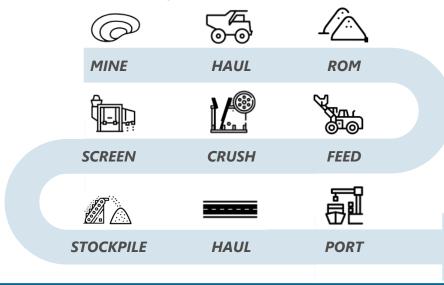


Utah Point annual throughput and environmental licence capacity

PRODUCT QUALITY AND MARKETING

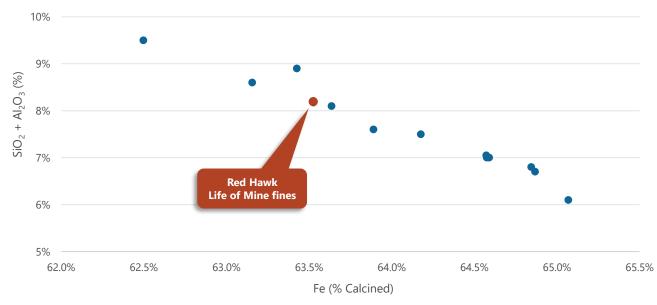


- Blacksmith will produce a DSO fines product with a Life of Mine average grade of 60.5% Fe from a Pilbara standard dry crushing and screening process
- The fines product is expected to be in high demand as sinter feedstock for iron making with competitive chemical specification
- Additional testwork will be completed during the DFS to further improve the understanding of the properties of the ore and minimise any new entrant risk discount



Targeted product chemical specification

Product	Fe	SiO ₂	Al ₂ O ₃	P	S	LOI
	%	%	%	%	%	%
Life of Mine	60.5	4.96	3.09	0.08	0.03	4.5

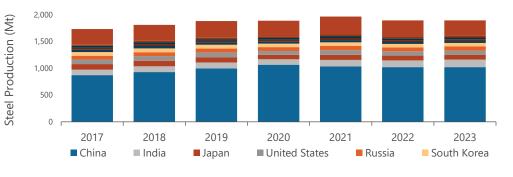


Pilbara iron ore product specification vs Red Hawk

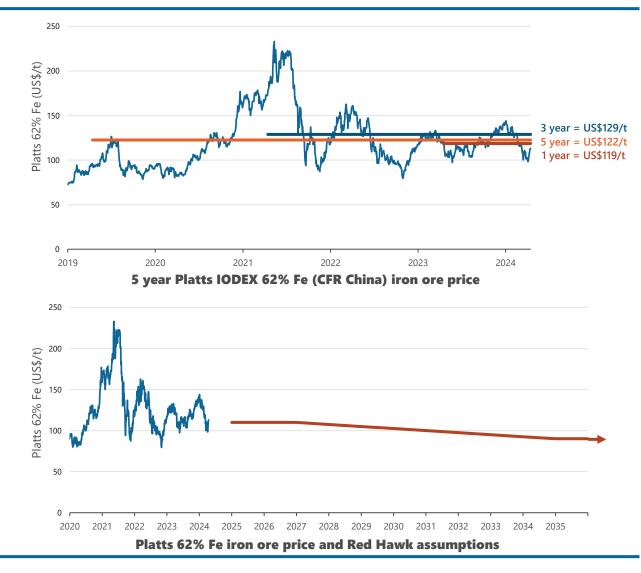
ORE PRICING AND ASSUMPTIONS



- The past five years have seen a steady increase in iron ore prices due to increasing demand from China
- Benchmark iron ore prices have risen from US\$75 per dry metric tonne (dmt) in early 2019 to a high of over US\$230/dmt in May 2021
- More recently, iron ore prices have settled in a range of US\$100/dmt – US\$140/dmt, averaging US\$129/dmt over the past three years
- Red Hawk has assumed a long-term iron ore price of US\$90/dmt and exchange rate of US\$0.675/A\$ in the PFS



Global steel production by country

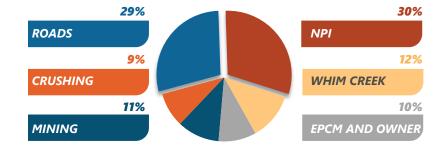


CAPITAL COST



- The estimated cost to deliver the Blacksmith Project is \$216.8M, inclusive of a 20% contingency (\$35.2M), engineering, procurement, construction management (EPCM) costs (\$12.2M) and Owner's Team costs (\$5.5M)
- Capital intensity (capital cost per tonne of annual production) for the PFS is \$43/t, which is 13% lower than the Scoping Study at \$50/t of annual production





Capital cost summary (ex-contingency)

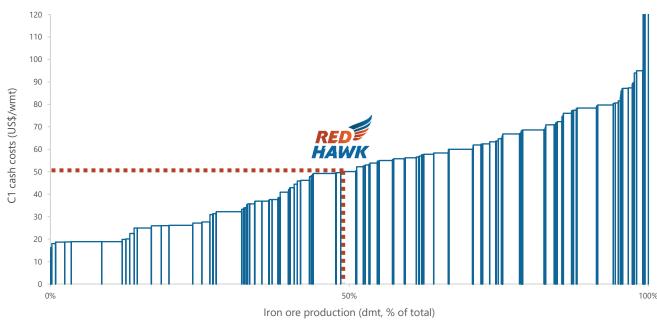
Capital cost summary

Item	\$M
Mining	19.9
Crushing	16.2
Roads	49.4
Non-Process Infrastructure (NPI)	56.3
Whim Creek	21.7
EPCM and Owner's Team costs	17.7
Sub-total (excluding contingency)	181.5
Contingency (20%)	35.3
Total capital cost	216.8

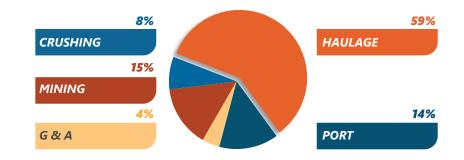
OPERATING COST



- Red Hawk has worked closely with operating contractors from each major work area to build a robust Life of Mine cost profile
- The PFS tests the operating strategy and sees it remain cost competitive relative to peers, confirming a Life of Mine C1 cash cost of US\$51.10 per tonne
- The Blacksmith Project is placed in the forward half of the global iron ore cost curve (excluding major integrated producers)







Operating cost summary

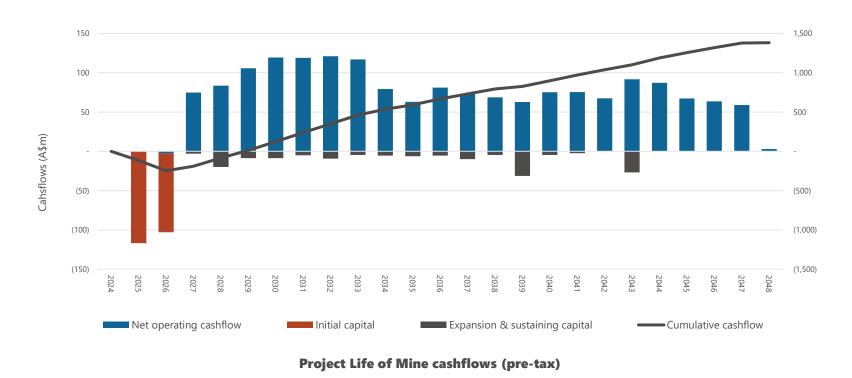
Life of Mine C1 cash cost – PFS and Scoping Study

	US\$/wmt			
Cost group	Scoping PFS		Change US\$/wmt	Variance %
C1 FOB	49.92	51.10	1.18	2.37%
C2	60.40	63.67	3.27	5.42%
C3	65.85	70.42	4.57	6.94%

FINANCIAL ANALYSIS



- An independent financial analysis of the Blacksmith Project shows a pre-tax NPV_{8%} of \$523M, IRR (pre-tax) of 31% and capital payback of 3.3 years from first revenue
- At current spot iron ore, exchange rate and diesel prices, the pre-tax NPV_{8%} increases to \$1.8 billion, IRR (pre-tax) of 52% and capital payback less than 2.5 years



	PFS ASSUMPTIONS	SPOT PRICES
REVENUE	\$11,960M	\$15,871M
NET CASHFLOW (PRE-TAX)	\$1,382M	\$4,759M
NPV _{8%} (PRE-TAX)	\$523M	\$1,815M
IRR (PRE-TAX)	31%	52%
NPV _{8%} (POST-TAX)	\$365M	\$1,272M
IRR (POST-TAX)	27%	45%
CAPITAL PAYBACK	3.3 years	2.3 years

Financial analysis (PFS and Spot Prices)

EXECUTION PLAN



- Red Hawk is targeting the first ore from the Blacksmith Project in 4Q 2025
- The proposed schedule leverages significant historical Project development activities, including heritage surveys, permitting, drilling, geotechnical analysis and metallurgical testwork

and metallurgical testwork

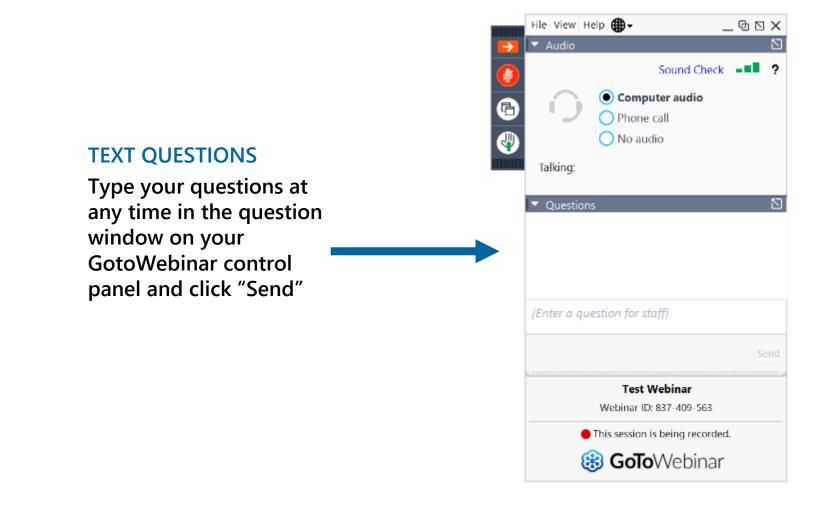
- It is planned to use contractors to provide skilled labour, equipment, systems and procedures for the construction and operation of major Project components, including:
 - mining
 - design, construction and operation of the process plant
 - road haulage
 - camp construction and operation
 - port operations
- To support the FID, Red Hawk will continue to advance the definition of the Blacksmith resource, heritage clearance activities, gain required permits and approvals, and finalise access agreements with adjacent stakeholders





Q&A







IT'S TIME TO SOAR

DEVELOPING THE BLACKSMITH **IRON ORE PROJECT**

ASX: RHK

www.redhawkmining.com.au

Ground Floor 23 Ventnor Avenue West Perth

NOTES TO SLIDES



Competent Person's Statement:

The information in this report that relates to the Blacksmith Iron Ore Project Mineral Resource and Ore Reserve which was prepared in accordance with the requirements of the 2012 Edition of the Australasian Code for the Reporting of Exploration Results, Mineral Resources and Ore Reserves (JORC Code 2012). The Mineral Resource information was included in the Company's previous announcements as follows:

ASX announcements dated:

- 6 September 2023: DSO Mineral Resource Estimate: Delta and Paragon Deposits
- 16 October 2023: DSO Mineral Resource Upgrade: Champion and Blackjack

The information in this Presentation that relates to the Blacksmith Iron Ore Project Mineral Resource was prepared in accordance with the requirements of the JORC Code (2012). This information was included in the Company's previous announcement as noted below or see <u>www.redhawkmining.com.au</u>

The information in this report that relates to Mineral Resources for the Delta, Paragon, Champion and Blackjack deposits is based on, and fairly represents, information compiled by Mr Aaron Meakin and Mr Mark Pudovskis. Mr Aaron Meakin is a full-time employee of ERM Australia (formerly CSA Global) and is a Member and Chartered Professional of the Australasian Institute of Mining and Metallurgy (AusIMM). Mr Mark Pudovskis is a full-time employee of ERM Australia in Institute of Mining and Metallurgy (AusIMM). Mr Mark Pudovskis have sufficient experience relevant to the style of mineralisation and type of deposit under consideration and to the activity which they are undertaking to qualify as Competent Persons as defined in the JORC Code (2012). The Company confirms that the form and context in which the results are presented and all material assumptions and technical parameters underpinning the estimates in the original announcement continue to apply and have not materially changed from the original announcements and that the form and context in which the results are presented have not been materially modified from the original announcements on 6 September 2023 and 16 October 2023.

The information in this report that relates to Ore Reserves for the Delta deposit is based on and fairly represents information compiled by Mr Ross Cheyne. Mr Ross Cheyne is a full-time employee and Head of Consulting with Orelogy and is a Fellow of the Australasian Institute of Mining and Metallurgy. Mr Ross Cheyne has sufficient experience which is relevant to the style of mineralisation and type of deposit under consideration, and to the activity he is undertaking, to qualify as a Competent Person as defined in the JORC Code (2012). Mr Ross Cheyne consents to the inclusion of the information in this report in the form and context in which it appears.

Iron ore resources for selected ASX-listed companies (Slide 8)

Producing mines

- Iron Ridge Fenix Resources Limited (ASX: FEX): 2023 Annual Report (ASX announcement 29/08/23)
- JWD CuFe Limited (ASX: CUF): Investor Presentation, May 2023 (ASX announcement 09/05/23)
- Koolan Island Mount Gibson Iron Limited (ASX: MGX): Global Iron and Steel Conference (ASX announcement 22/03/23)

Mines in development

Yarram – CuFe Limited (ASX: CUF): Investor Presentation, May 2023 (ASX announcement 09/05/23)

Projects at Study Phase

Shine (Care & Maintenance) – Fenix Resources Limited (ASX: FEX): 2023 Annual Report (ASX announcement 29/08/23)

Disclaimer:

This announcement includes forward-looking statements within the prevailing regulatory laws of applicable jurisdictions. Forward-looking statements can generally be identified by the use of words such as "aim", "may", "will", "expect", "intend", "plan", "estimate", "anticipate", "believe", "continue", "objectives", "targets", "outlook" and "guidance", or other similar words and may include, without limitation, statements regarding estimated reserves and resources, certain plans, strategies, aspirations and objectives of management, anticipated production, study or construction dates, expected costs, cash flow or production outputs and anticipated productive lives of projects and mines. Such statements are subject to prospective risks and uncertainties and may cause actual developments to differ materially from the reported results.

The forward-looking statements in this announcement were prepared based on the present intentions of the current Red Hawk board and management team, numerous assumptions concerning current conditions and future events, as well as the business environment where Red Hawk conducts business. Red Hawk has no obligation to guarantee that the valid information presented will bring the specific results as expected.

This ASX announcement was authorised by the Managing Director and CEO of Red Hawk Mining Limited.