



**BLACK
IRON**

**TSX: BKI; OTC: BKIRF;
FWB: BIN**

A COMPELLING INVESTMENT OPPORTUNITY

Corporate Presentation

2023

DISCLAIMER

Forward Looking Statement



This Presentation contains “forward-looking information” within the meaning of applicable Canadian securities legislation. Forward-looking information is based on what management of Black Iron Inc. (“Black Iron”, “BKI” or the “Company”) believes to be reasonable assumptions, opinions and estimates of the date such statements are made based on information available to them at that time, including those factors discussed in the section entitled “Risk Factors” in the Company’s annual information form for the year ended December 31, 2017 or as may be identified in the Company’s public disclosure from time to time, as filed under the Company’s profile on SEDAR at www.sedar.com. Forward-looking information may include, but is not limited to, statements with respect to results of the Preliminary Economic Assessment (“PEA”) (as defined below), the mineral reserve and resource estimate, any potential resource extension, the future financial or operating performance of the Company, its subsidiaries and its projects, the development of and the anticipated timing with respect to the Shymanivske project, the ability to obtain financing on commercially reasonable terms, the realization of the PEA, expectation of future cash flows, the impact of concerns relating to permitting, regulation, governmental and local community relations, the economic and political situation in Ukraine, and the Company’s objectives and future plans. Generally, forward looking information can be identified by the use of forward-looking terminology such as “plans”, “expects” or “does not expect”, “is expected”, “budget”, “scheduled”, “estimates”, “forecasts”, “intends”, “anticipates” or “does not anticipate”, or “believes”, or variations of such words and phrases or state that certain actions, events or results “may”, “could”, “would”, “might” or “will be taken”, “occur” or “be achieved”. Estimates underlying the results of the PEA arise from engineering, geological and costing work of BBA Inc. (“BBA”) and Watts, Griffis and McQuat Limited (“WGM”) and the Company. See the PEA for a description of all relevant estimates, assumptions and parameters. Forward-looking information is subject to known and unknown risks, uncertainties and other factors that may cause the actual results, level of activity, performance or achievements of the Company to be materially different from those expressed or implied by such forward-looking information, including but not limited to: general business, economic, competitive, geopolitical and social uncertainties; the actual results of current exploration activities; other risks of the mining industry and the risks described in the annual information form of the Company. Although the Company has attempted to identify important factors that could cause actual results to differ materially from those contained in forward-looking information, there may be other factors that cause results not to be as anticipated, estimated or intended. There can be no assurance that such information will prove to be accurate, as actual results and future events could differ materially from those anticipated in such statements. Accordingly, readers should not place undue reliance on forward looking information. The Company does not undertake to update any forward-looking information, except in accordance with applicable securities laws.

This Presentation does not constitute an offer to sell, or solicitation of an offer to buy, any securities by any person in any jurisdiction in which it is unlawful for such person to make such an offering or solicitation. No representation or warranty, express or implied, is made as to the accuracy or completeness of the information set out herein, and nothing contained herein is, or shall be relied upon, as a promise or representation, whether as to the past or future.

The technical information contained herein is derived from or a summary of the NI 43-101 Compliant Technical Report entitled “Preliminary Economic Assessment of the Rescoped Shymanivske Iron Ore Deposit (Prepared by BBA and WGM, the “PEA”). For additional information, please see the press release filed on www.sedar.com dated November, 2017.

*The mineral resource estimate for the Shymanivske Project is based on results from 185 historical drill holes totaling 37,316 meters and 60 Black Iron drill holes, which were drilled during the Company’s Twin Hole drill program and the Definition Drill program, totaling 16,518 meters and is effective as of September 2012. WGM, Consulting Geologists and Engineers of Toronto, Canada, was retained to audit an in-house mineral resource estimate completed by Black Iron. Mr. Michael Kociumbas, P.Geo, Vice-President of WGM and Mr. Richard Risto, P.Geo, Senior Geological Associate of WGM, were retained by Black Iron as independent technical consultants and are Qualified Persons as defined by NI 43-101 and are responsible for reviewing and approving this mineral resource estimate. The PEA was prepared in accordance with the guidelines of National Instrument 43-101 by the independent firms of BBA and WGM.

*Matt Simpson, President & CEO of Black Iron, a Qualified Person as defined by NI-43-101, has reviewed and approved the scientific and technical information in this Presentation.

BLACK IRON'S TOP RANKED IRON CONCENTRATE DEVELOPMENT PROJECT

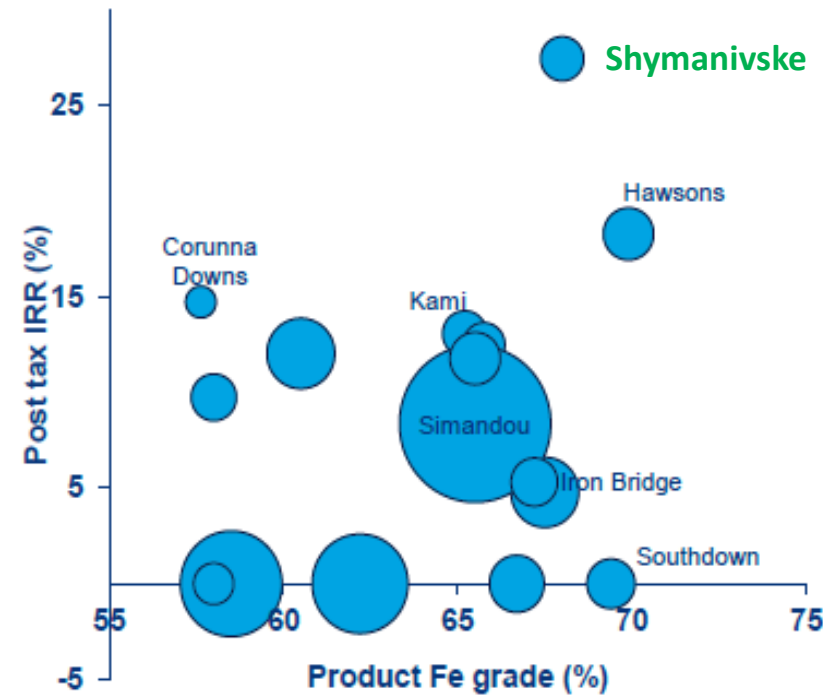
Black Iron's Shymanivske Project has the highest economic returns and lowest costs



Highest financial return

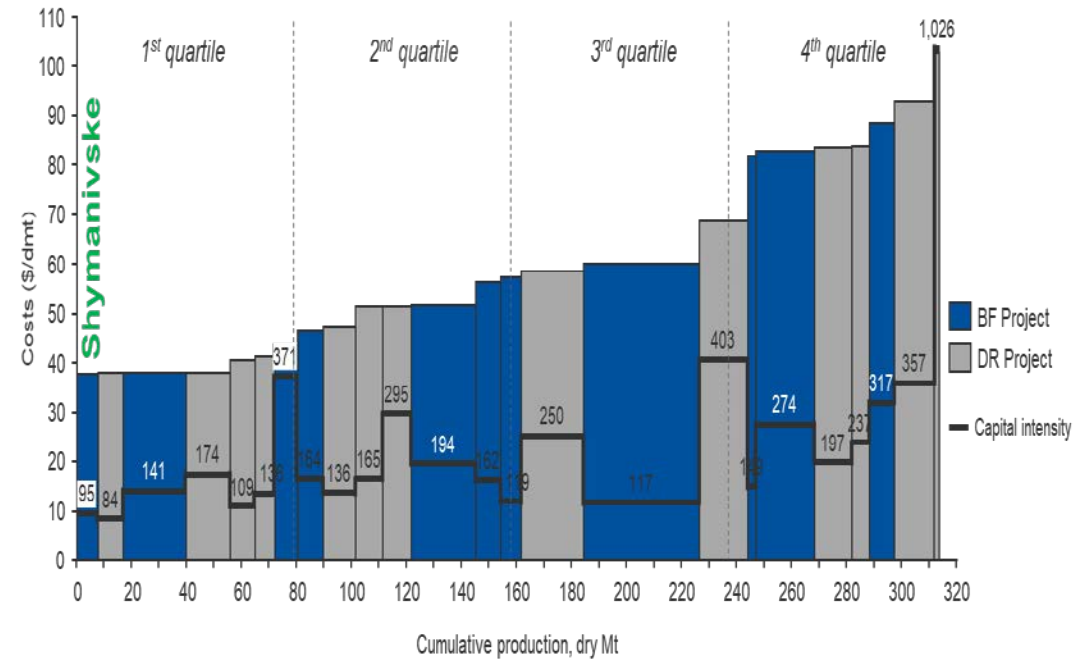
Lowest cost

Unfinanced greenfield projects



Source: Wood Mackenzie.

CRU Pellet feed project Business Costs, delivered China, 2030 (real 2016)



Note: The cost values shown have been normalised to a 62% Fe fines product (CFR China) in order to allow for comparison.

Source: CRU pellet feed market study and marketing strategy for Black Iron's Shymanivske project – April 2018

BLACK IRON HAS ALL THE KEY FUNDAMENTALS FOR A HIGHLY PROFITABLE COMPANY IN PLACE

Globally Top Ranked Project¹

- Ranked as lowest cost undeveloped pellet feed project globally
- Preliminary Economic Assessment
 - Two phased build
 - 4Mtpa to 8MTpa
 - Using \$62/T Long term price
 - NPV₁₀ of US\$1.9B
 - IRR of 41%

Exceptional Infrastructure

- Rail 2km and power 30km from property with access to 5 ports 230 to 430km from site
- Highly skilled local workforce from city of 750,000 only 8km from site that supports 7 operating mines



Construction Highly Financeable

- \$75M offtake with Cargill
- \$100M royalty
- Several European banks and Export Credit Agencies support Ukraine investment

Lower Environmental Impact Product in Supply Deficit

- 68% iron content vs. benchmark 62% = ~30%² less emissions to produce steel & +\$18 to \$90/T price premium
- CRU forecast pellet feed supply insufficient to meet demand post 2023¹

Skilled Leadership

- Significant iron ore mine operations and mine construction experience
- Board includes current VP Ukraine World Congress & Former Minister of Foreign Affairs

Source: 1. CRU February 2018 and WoodMac April 2019

2. 2011 J. Herbertson and L. Strezov "Implications for the Australian Magnetite Industry of the Introduction of a Price/Tax on Carbon"

WHAT SETS BLACK IRON APART?

Ability to *phase build* due to close proximity to rail, power, port and skilled people

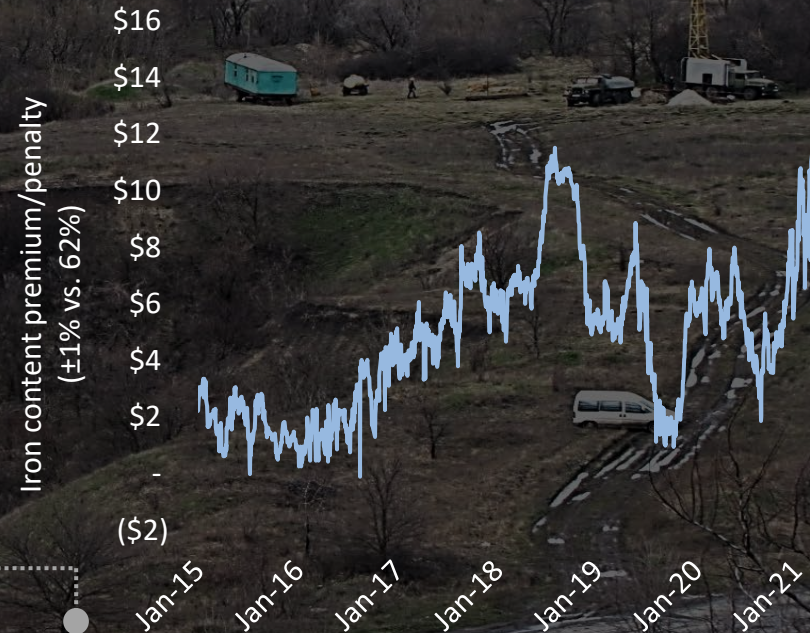
Most new mines are located >100km from rail and/or power lines plus a port resulting need to build >8MTpa plant to be economical

- Rail costs ~US\$3M per kilometre to build
- Powerline costs ~US\$1M per kilometre
- Skilled labour 1/10th cost of Canada & 1/18th Australia

- State-owned rail line 2km
- High voltage power tie in 30km
- Paved Road 8km to city of 750k people

Ultra High Grade 68% Product

- Black Iron's 68% iron content product sells for ~\$18-90/T premium
- Price premium rising due to environmental consciousness primarily in China

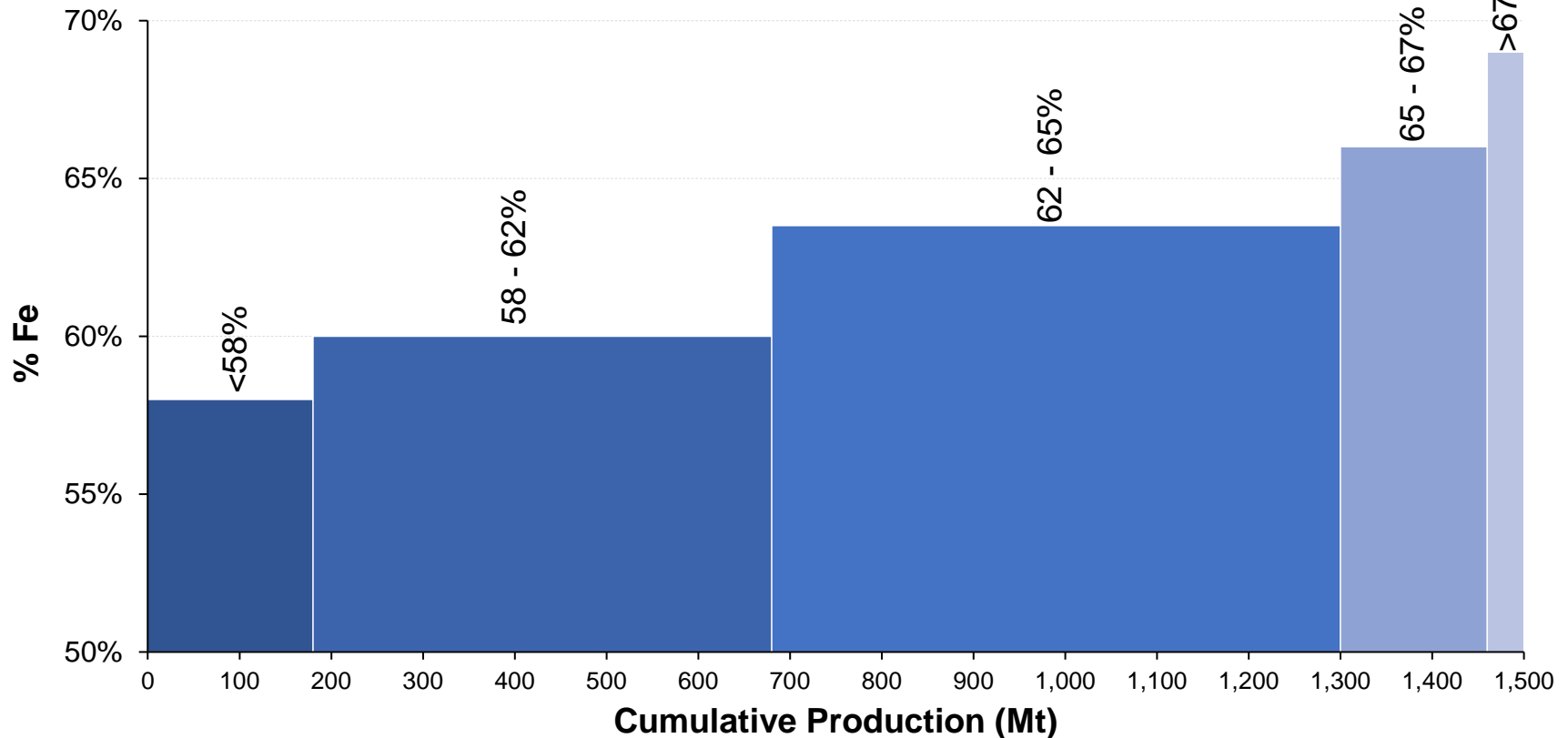


68% IRON PRODUCT IS ULTRA PREMIUM & REDUCES ENVIRONMENTAL EMISSIONS



Black Iron's 68% product is top 4% globally

Seaborne Iron Ore Product by Grade



Data source: CRU 2017

Benefits of higher iron grade products include:

- **Less emissions generated per tonne of steel produced = more environmentally friendly**
- Increased steel blast furnace productivity = lower cost to produce steel

UPDATED ECONOMIC STUDY HIGHLIGHTS*

High Value, Low-Cost Iron Ore Development Project



Annual Production:		Phase 1: 4Mt Phase 2: 8Mt
Iron Content:		68.0%
Estimated Capital Investment: (capital intensity, includes 17% contingency)		Phase 1: US\$452 million Phase 2: US\$364 million
Estimated Operating Expenses: (average FOB)		US\$33/t
Long-Term CFR China Benchmark Price (62% iron):		US\$62/t
Estimated Realized Selling Price (68% iron FOB port Yuzhny)		US\$97/t
Net Present Value (10% discount rate unlevered):	(pre-tax) (after-tax)	US\$1.9 billion US\$1.4 billion
Internal Rate of Return (unlevered):	(pre-tax) (after-tax)	41% 34%
Annual Average Free Cash Flow:	(pre-tax) (after-tax)	US\$360 million US\$301 million
Estimated Mine Life:		17 years

* Preliminary Economic Assessment completed by BBA in November 2017 with amendment in February 2020

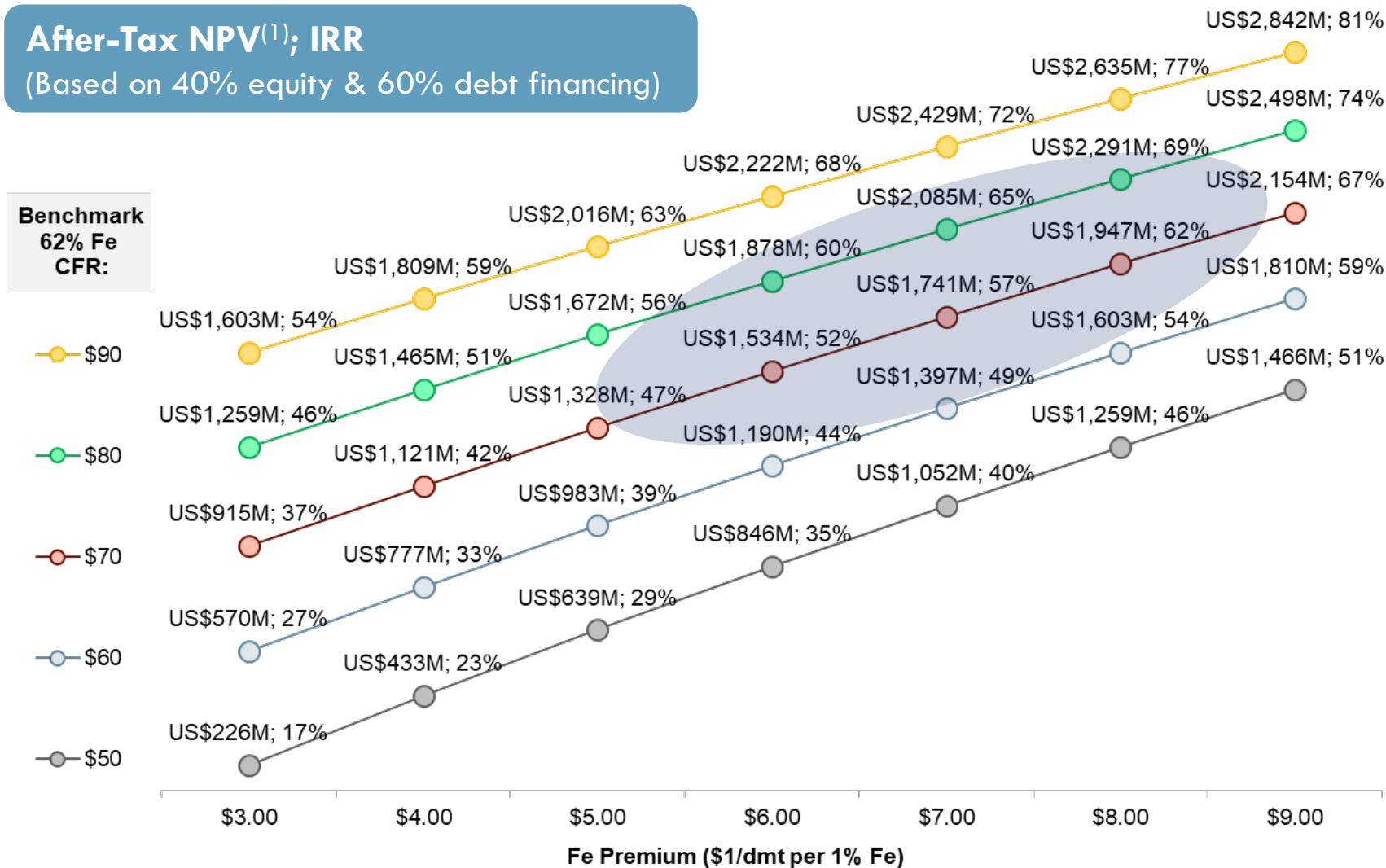
STRONG INVESTMENT RETURNS IN ALL PRICE SCENARIOS

Low operating & capital costs to ride all market cycles



After-Tax NPV⁽¹⁾; IRR

(Based on 40% equity & 60% debt financing)



(1) Based on a 10% discount rate

FINANCING PLAN FOR PROJECT CONSTRUCTION

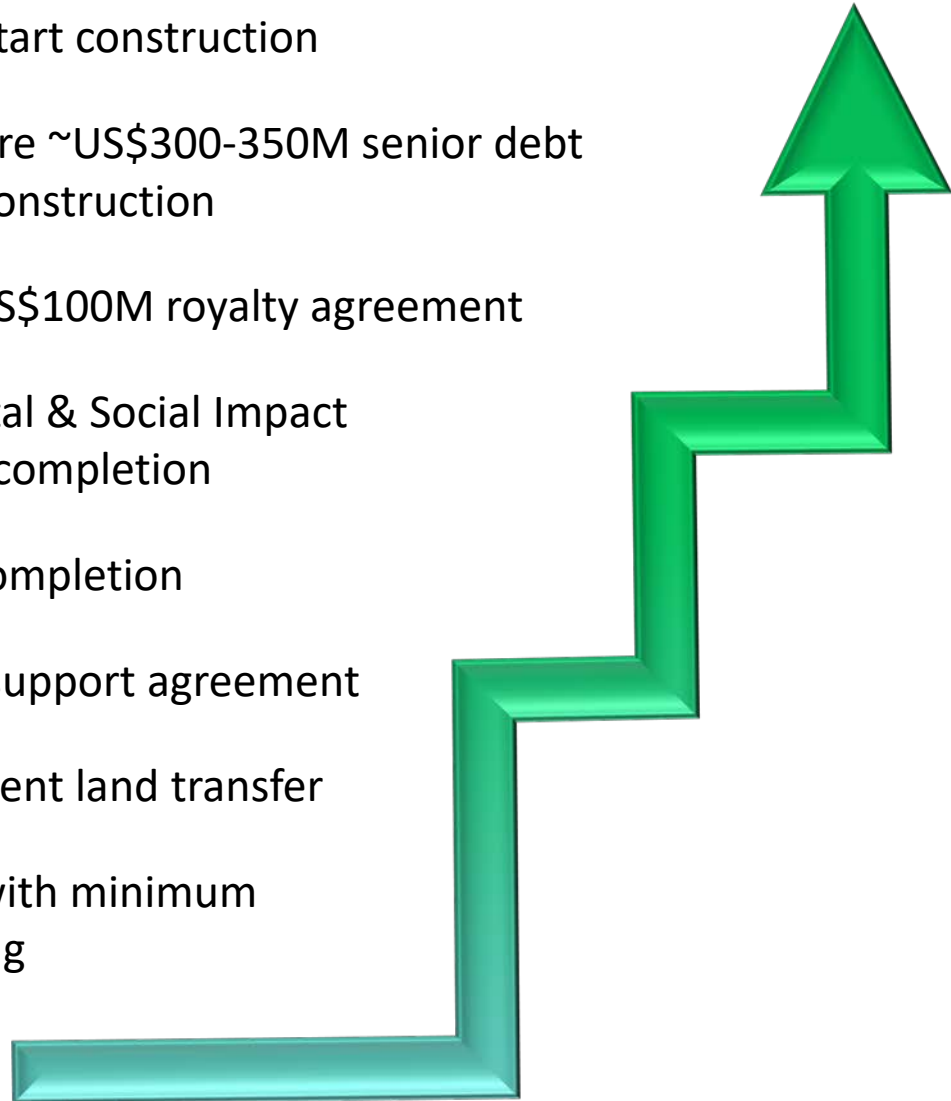
- The following table illustrates Black Iron's (BKI) Shymanivske's funding need and sources for Phase I development:

Uses:	US\$m	Sources:	US\$m
Capex	450	Senior Debt	300 – 350
Working Capital	10	Royalty	100
Financing fees	15	Offtake – Cargill	75
VAT (new Ukraine law)	0 - 30	EPC – investment	0 - 65
Total	475 - 505	Total	500 - 575
+ Cost Overrun Reserve (COR) (IF REQUIRED)	0 - 70	Equity upon construction	0 - 75
Total (with COR)	475 - 575	Total (with COR)	475 - 575

SEVERAL MAJOR MILESTONES BEING DELIVERED IN THE COMING MONTHS



- 1 Binding offtake agreement with minimum US\$75M construction funding
- 2 Binding Ukraine Government land transfer
- 3 Ukraine Government support agreement
- 4 Feasibility study completion
- 5 Environmental & Social Impact Assessment completion
- 6 Binding US\$100M royalty agreement
- 7 Secure ~US\$300-350M senior debt for construction
- 8 Start construction

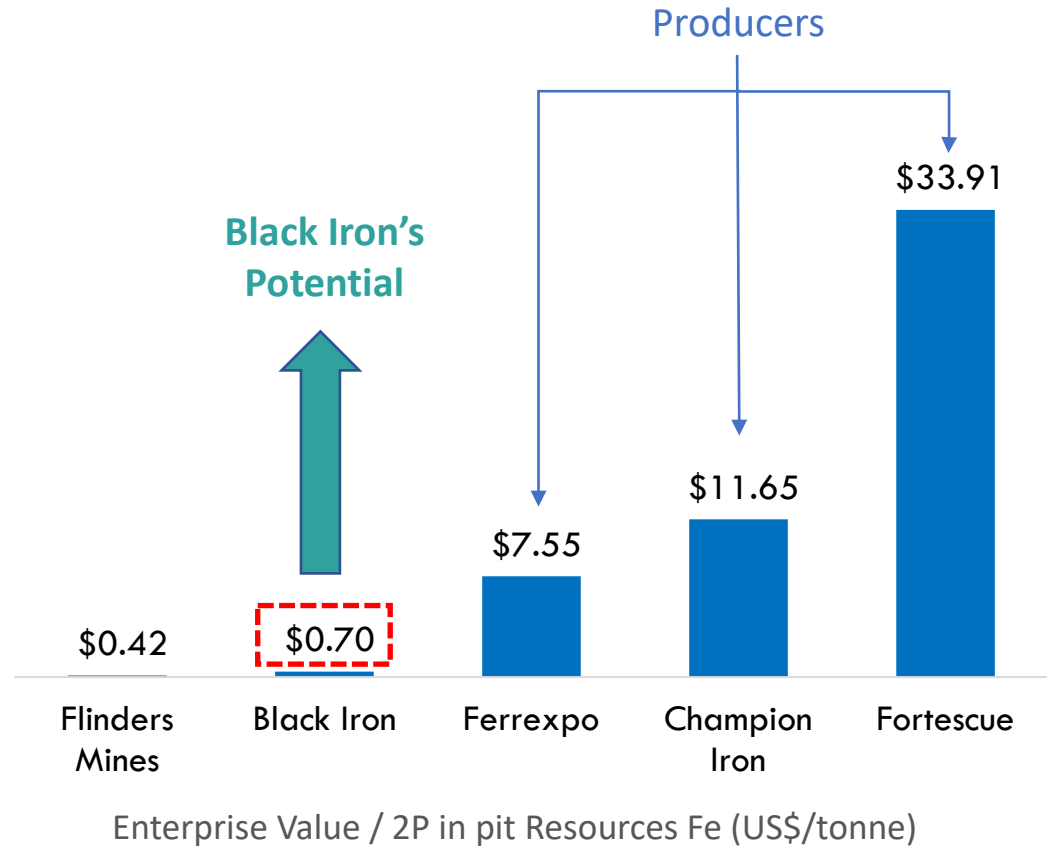


SIGNIFICANT UPSIDE POTENTIAL VS PEER PRODUCERS


Attractive Valuation with Substantial Upside Potential as Project Advances to Production

Capital Structure (TSX: BKI)

Shares Outstanding	302 million
Stock Options	14 million
DSU	9 Million
Warrants	20 Million
Fully Diluted Shares	346 million
Market Cap (C\$M)	\$23 million
As of Jan 25, 2023	



Notes: Market data as of July 28, 2021
Source: company disclosures, Bloomberg

 **FERREXPO** is a Ukraine iron ore miner with global sales. They have been mining, processing and selling high quality iron ore pellets to the global steel industry for over 40 years

MANAGEMENT & BOARD HAVE TRACK RECORD OF IRON ORE SUCCESS



Key Management

Matt Simpson – CEO

- Former General Manager, Mining for Rio Tinto's Iron Ore Company of Canada
- Worked for Hatch designing global metallurgical refineries

Paul Bozoki – CFO

- Former CFO of CD Capital Partners, operating in Ukraine

Stefan Gueorguiev – Project Director

- Over 25 years experience in the engineering and construction of mineral processing plants including most recently as VP Projects & Construction for Polyus

Bill Hart – Senior Vice President Corporate Development

- Over 30 years experience selling iron ore while working for Rio Tinto, Cliffs Natural Resources and most recently Roy Hill Holdings Ltd.

Pavlo Komarytsky – General Director Shymanivske Steel

- Extensive network of relationships in Ukraine

Board of Directors

Bruce Humphrey – Chairman

- Former Chairman of Consolidated Thompson Iron Ore and Chief Operating Officer of Goldcorp

Pierre Pettigrew

- Former Canadian Minister for Foreign Affairs and international Trade

John Detmold

- Chairman & Founder of Investure Group, S.A. de C.V. which owns Frontera Copper Corporation

Dave Porter

- Former VP for Rio Tinto's Iron Ore Company of Canada and COO of Algoma Steel

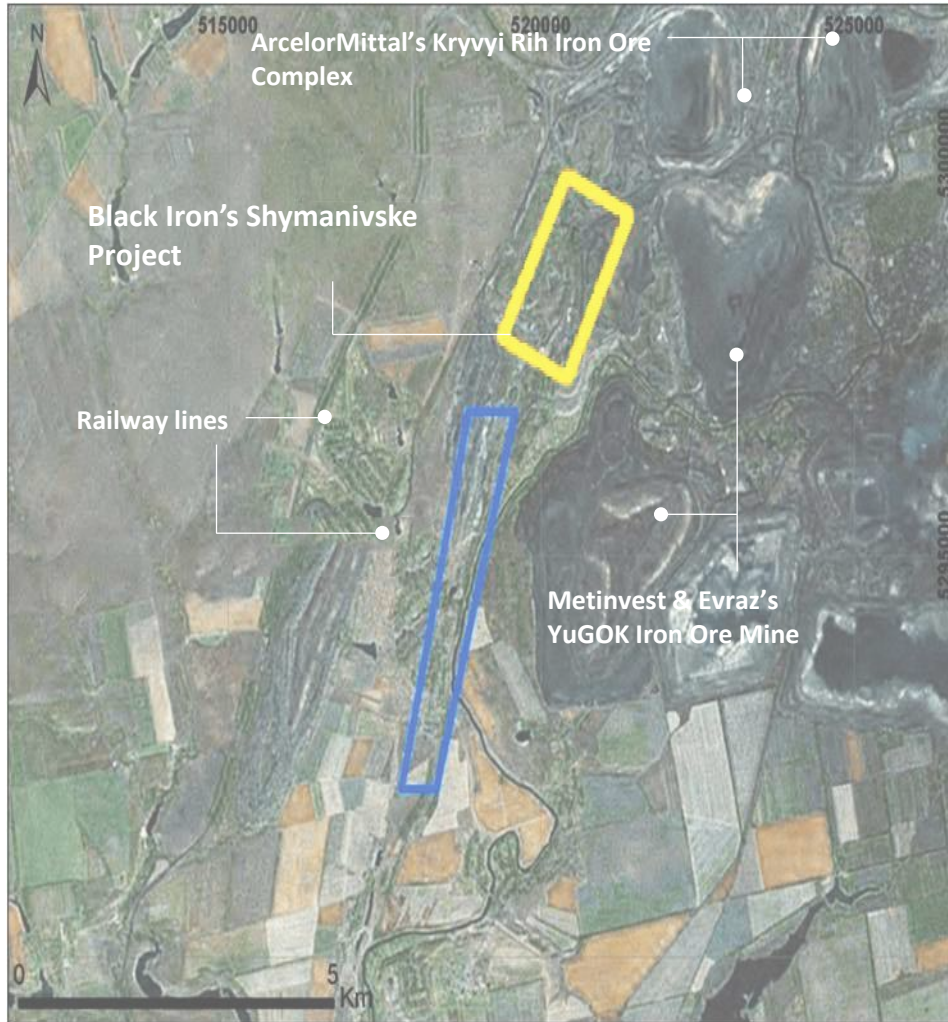
Zenon Potoczny

- President of the Canada-Ukraine Chamber of Commerce & VP Operations for Ukrainian World Congress

Matt Simpson – CEO

DEPOSIT IN MINING FRIENDLY REGION

Adjacent to Seven Operating Iron Ore Mines, Rail and Power lines



- Seven operating iron ore mines within 40km
 - ↳ Adjacent to ArcelorMittal's iron ore mine & steel mill and Metinvest/ Evraz's YuGOK iron ore mine
- Plan to acquire a plot of land from Ukraine's Government adjacent to the Shymanivske deposit for the project's waste dumps, concentrator and tailings.
 - ↳ Memorandum of Understanding signed with Minister of Defence to transfer land
 - ↳ President Zelenskyy publicly states support for Black Iron on his official webpage

See Black Iron's website at www.blackiron.com for a video showing the project locations and close proximity of rail and power infrastructure

LARGE ORE DEPOSIT WITH GROWTH POTENTIAL



Total defined mineral resources

Shymanivske	Tonnage (Mt)	Fe Tot (%)	Fe Mag (%)
Measured	355	32.0	19.5
Indicated	290	31.1	17.9
Total M&I Resources*	646	31.6	18.8
Inferred	188	30.1	18.4

In-pit mineable mineral resources

Shymanivske	Tonnage (Mt)	Fe Tot (%)	Fe Mag (%)
Measured	283	31.4	19.4
Indicated	106	31.2	19.0
Total M&I Resources*	389	31.4	19.3
Inferred	22	31.2	19.6

- Banded iron formation consisting primarily of magnetite with some hematite
 - Iron band thickness ranges from 40-80M
 - Only 9.7-21.2m of overburden with a strip ratio of 1:1 life of mine
 - Very clean ore body low in phosphorus, manganese and aluminum

- Resource defined by ~54,000m of drilling

- Potential for resource expansion at north end of deposit and at depth

Tonnage and grade rounded to first decimals. Cut-off grade of 10% Fe Mag

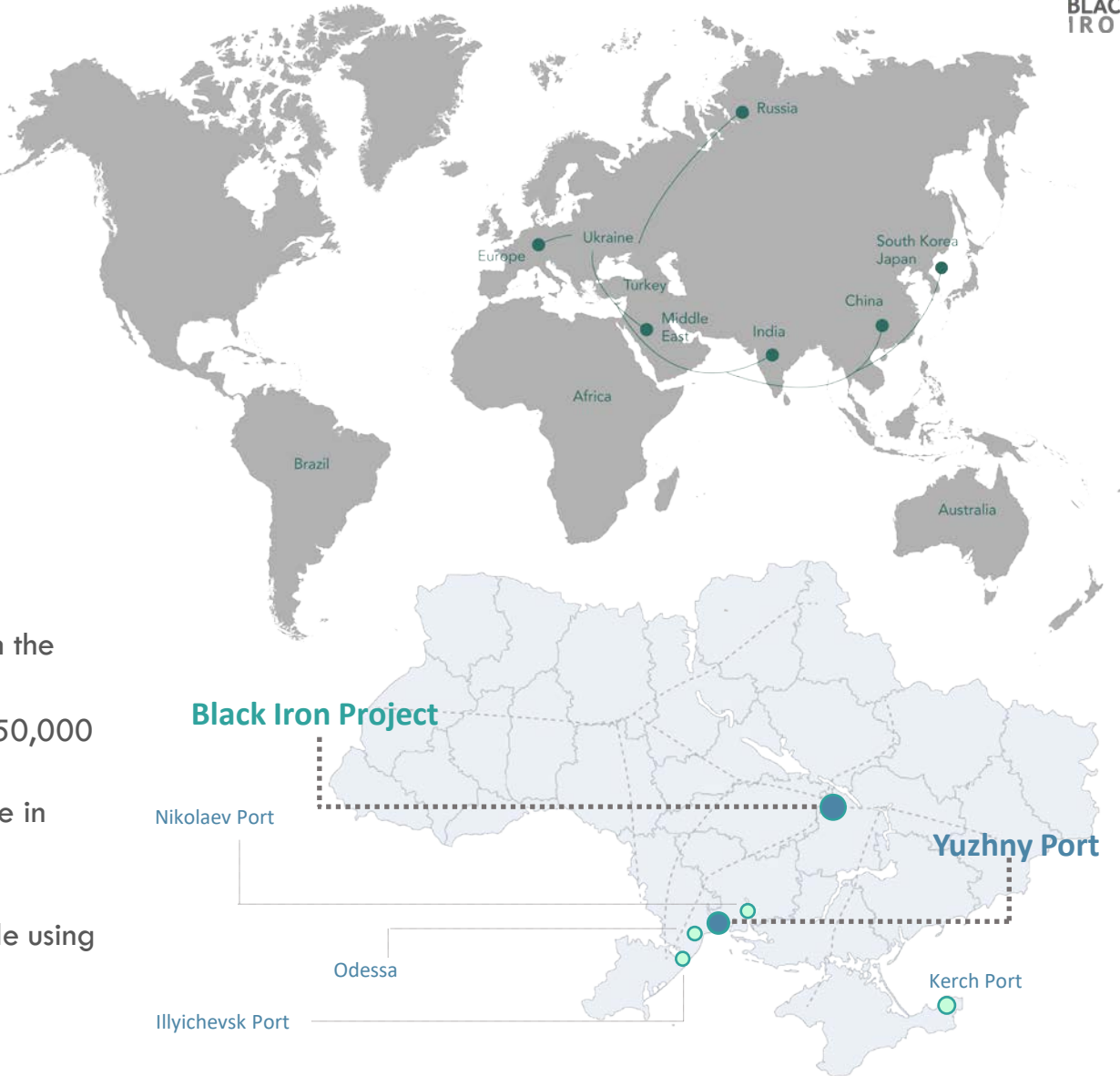
*-Resources are not Reserves and do not have economic viability

STRATEGIC GLOBAL LOCATION

Close Proximity to Target Markets with Abundant Port and Rail Access



- Project surrounded by steel mills in Europe, Turkey and the Middle East – only 5hrs to reach Turkey
- Iron ore district trends 300km with sedimentary rock hosted banded iron formations
- 20% to 25% shorter transport distance to growth markets of India and China as compared to North and South American mines
- Black Iron's projects are located in the heart of Ukraine's iron ore belt
 - 8km from Kryvyi Rih, city of 750,000 people
 - 450km away from conflict zone in eastern part of Ukraine
- Four bulk tonnage ports accessible using railway beside property



PRIOR TO WAR - BUSINESS CONDITIONS IMPROVING IN UKRAINE

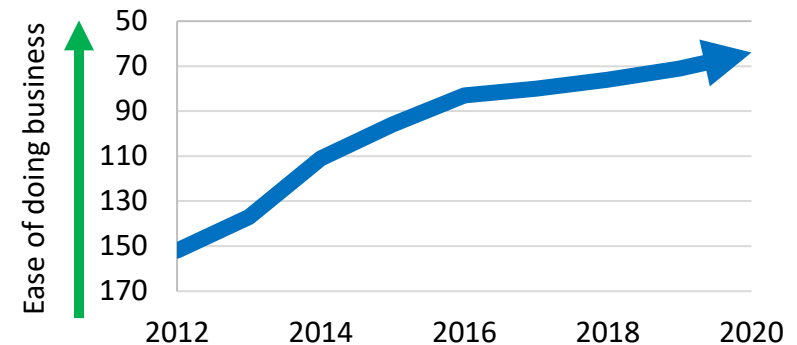
Economy improving following geo-political and economic turbulence



- Fitch Sovereign Risk rating of B (stable)
 - Recently upgraded based on newly elected reform government
- Large, highly skilled labour force (pop. 45.4 million)
 - GDP per capita only US\$3983/yr¹ = annual average salary for 2021
 - Literacy rate >99%
- Mining friendly jurisdiction with strong local and national support
 - LSE listed ArcelorMittal and Ferrexpo plc have operated in-country for over 12 years
- Competitive corporate tax rate of 18% (~50% other major iron ore producing countries)

World Bank: Ease of Doing Business Rank

64 out of 190 countries, the lower the rank the easier to do business



Recent examples of major iron ore foreign direct investments



ArcelorMittal

Announced commitment to invest **US\$1.8 billion** into modernizing adjacent Ukraine iron ore mine and steel mill
www.reuters.com/article/ukraine-arcelormittal-ebrd/ebrd-loans-350-mln-to-arcelormittals-ukraine-mill-idUSL8N1OM3GE

Brookfield

Announced commitment to invest **US\$160 million** into construction of an IT office complex
<https://cutisproject.org/en/news/cutis-investment-roadshow/>

NOW IS THE IDEAL TIME TO INVEST IN BLACK IRON



Top Ranked Project with Depressed Market Cap due to War that Will End

Highly respected market intelligence group Wood Mackenzie rank Black Iron as highest development stage IRR (internal rate of return) and CRU as lowest operating cost globally



Solid Plan to Finance Construction

Leveraging offtake + royalty + construction firm to secure equity and European banks + credit agencies for debt substantially mitigates need to raise significant public market equity



Skilled Leadership Backed by Strong Ukraine government support

Experienced management team and board with history of creating value for shareholders of RioTinto, Cliffs and Consolidated Thompson

- Ukraine President Zelensky publicly stated support for Black Iron



Exceptional Infrastructure = Scalable Build

Excellent access to skilled labour, power, rail & ports = relatively low capital construction cost & ability to build in smaller phases



Compelling Economics for Highly Sought After More Environmentally Friendly Product

High margins due to close proximity to multiple steel mills, skilled labour cost advantage and ultra-high grade ~30% lower emission 68% iron content product

- Preliminary Economic Assessment to product 8MTpa of high-grade 68% iron ore concentrate – NPV of US\$1.9 billion and 41% IRR
- CRU estimates 130MT shortfall for more environmentally friendly pellet feed

*Please see notes on page 2

- Resources are not Reserves and do not have economic viability



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