

# INVESTORS PRESENTATION

FEBRUARY 2024



A RARE SOLUTION TO DECARBONIZE STEELMAKING

CHAMPION IRON 

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## FORWARD-LOOKING STATEMENTS

This Presentation contains certain information and statements which constitute "forward-looking information" within the meaning of applicable securities laws (collectively referred to herein as "forward-looking statements"). Forward-looking statements are statements that are not historical facts and are generally, but not always, identified by the use of words such as "plans", "expects", "is expected", "budget", "scheduled", "estimates", "continues", "forecasts", "projects", "predicts", "intends", "anticipates", "aims" "targets" or "believes", or variations of, or the negatives of, such words and phrases, or state that certain actions, events or results "may", "could", "would", "should", "might" or "will" be taken, occur or be achieved. Inherent in forward-looking statements are risks, uncertainties and other factors beyond the Company's ability to predict or control.

## SPECIFIC FORWARD-LOOKING STATEMENTS

All statements in this Presentation, other than statements of historical facts, that address future events, developments or performance that Champion expects to occur are forward-looking statements. These statements may include, but are not limited to, management's expectations regarding: the project to upgrade the Bloom Lake iron ore concentrate to a higher grade with lower contaminants to commercially produce a Direct Reduction ("DR") quality pellet feed iron ore, expected project layout, production metrics, timeline, pricing premium, capital expenditure, budget and financing; the study evaluating the re-commissioning of the Pointe-Noire Iron Ore Pelletizing Facility to produce DR grade pellets and its anticipated completion timeline; the cold pelletizing technology and related initiatives; the Kami Project's study, its purpose, including evaluating the potential to produce a DR grade product, expected project timeline, economics, capital expenditure, budget and financing, production and financial metrics, technical parameters, project layout, flowsheet, permitting and approvals, available and planned infrastructure, expected environmental footprint, efficiencies and economic and other benefits and related engagement with stakeholders and strategic partners; Bloom Lake's updated reserves and resources, life of mine, nameplate capacity and related opportunities and benefits; Champion's positioning to service the industry's transition to Electric Arc Furnaces ("EAFs") and focus on DR quality products; the shift in steel industry production methods and expected rising demand for higher-grade iron ore products and related market deficit and higher premiums, including using reduction technologies and the Company's related potential and transition of its product offering (including producing high quality DRPF products); green steel, emission reduction and other Environmental, Social and Governance related initiatives, objectives, targets and expectations and the Company's positioning in connection therewith; shipping and sales of accumulated concentrate inventories and related ramping up of rail services and railway operator's increased capacity; cash cost per tonne and the matters which impact it; the Company's liquidity position; the Company's capital return strategy; "Cluster II" opportunities; and the Company's growth and opportunities generally.

## DEEMED FORWARD-LOOKING STATEMENTS

Statements relating to "reserves" or "resources" are deemed to be forward-looking statements as they involve the implied assessment, based on certain estimates and assumptions, that the reserves and resources described exist in the quantities predicted or estimated and that the reserves can be profitably mined in the future. Actual reserves and resources may be greater or less than the estimates provided herein.

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The forward-looking statements in this Presentation are based on assumptions management believes to be reasonable and speak only as of the date of this Presentation or as of the date or dates specified in such statements. Champion undertakes no obligation to update publicly or otherwise revise any forward-looking statements contained herein, whether as a result of new information or future events or otherwise, except as may be required by law. If the Company does update one or more forward-looking statements, no inference should be drawn that it will make additional updates with respect to those or other forward-looking statements. Champion cautions that the foregoing list of risks and uncertainties is not exhaustive. Investors and others should carefully consider the above factors as well as the uncertainties they represent and the risks they entail.

## NON-IFRS AND OTHER FINANCIAL MEASURES

Certain financial measures used by the Company to analyze and evaluate its results are non-IFRS financial measures or ratios and supplementary financial measures. Each of these indicators is not a standardized financial measure under the IFRS and might not be comparable to similar financial measures used by other issuers. These indicators are intended to provide additional information and should not be considered in isolation or as a substitute for measures of performance prepared in accordance with IFRS. The non-IFRS and other financial measures included in this Presentation are total cash cost and adjusted earnings per share ("EPS"). When applicable, a quantitative reconciliation to the most directly comparable IFRS measures is provided in note 21 - Non-IFRS and Other Financial Measures of the Company's Management's Discussion and Analysis for the three-month and nine-month periods ended December 31, 2023 available on SEDAR+ at [www.sedarplus.ca](http://www.sedarplus.ca), the ASX at [www.asx.com.au](http://www.asx.com.au) and the Company's website at [www.championiron.com](http://www.championiron.com).

On August 22, 2023, Champion announced the updated mineral resource and reserve estimates for Bloom Lake reported in the technical report prepared pursuant to National Instrument 43-101 – Standards of Disclosure for Mineral Projects ("NI 43-101") and Chapter 5 of the ASX Listing Rules entitled "Mineral Resources and Mineral Reserves for the Bloom Lake Mine, Fermont, Québec, Canada" by BBA Inc., SRK Consulting (U.S.), Inc., Soutex and Quebec Iron Ore Inc. dated September 28, 2023 and filed on October 3, 2023 (the "2023 Technical Report"). Champion is not aware of any new information or data that materially affects the information included in the 2023 Technical Report and confirms that all material assumptions and technical parameters underpinning the estimates in the 2023 Technical Report continue to apply and have not materially changed. The 2023 Technical Report is available on SEDAR+ at [www.sedarplus.ca](http://www.sedarplus.ca).

On January 30, 2024, Champion announced the results of the Kami Project study (the "Kami Project Study"). Champion is not aware of any new information or data that materially affects the information included in the Kami Project Study and confirms that all material assumptions and technical parameters underpinning the estimates in the Kami Project Study continue to apply and have not materially changed. The Kami Project Study will be filed on SEDAR+ at [www.sedarplus.ca](http://www.sedarplus.ca) within 45 days of January 30, 2024.

Mr. Vincent Blanchet, P. Eng., Engineer at Quebec Iron Ore Inc., the Company's subsidiary and operator of Bloom Lake, is a "qualified person" as defined by NI 43-101 and has reviewed and approved, or has prepared, as applicable, the disclosure of the scientific and technical information contained in this Presentation and has confirmed that the relevant information is an accurate representation of the available data and studies for the relevant projects. Mr. Blanchet's review and approval does not include statements as to the Company's knowledge or awareness of new information or data or any material changes to the material assumptions and technical parameters underpinning the 2023 Technical Report or the Kami Project Study. Mr. Blanchet is a member of the Ordre des ingénieurs du Québec and licenced with PEGNL (professional engineer & geoscientists Newfoundland and Labrador).

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Reference to P62: Platts TSI IODEX 62% Fe CFR China; P65: Platts IO Fines 65% Fe CFR China.

This Presentation has been authorized for release to the market by the CEO of Champion, David Catafora.

All amounts are in Canadian dollars unless otherwise stated.

Specific forward-looking statements are included in slides 1, 3 to 6, 8 to 10, 12, 14, 16, 17, 19, 21 to 27 and 29.

## LARGEST PUBLICLY LISTED PURE-PLAY HIGH-GRADE IRON ORE PRODUCER GLOBALLY



→ 2nd largest hub of high-grade exports globally



→ 9.0% management ownership<sup>1</sup>

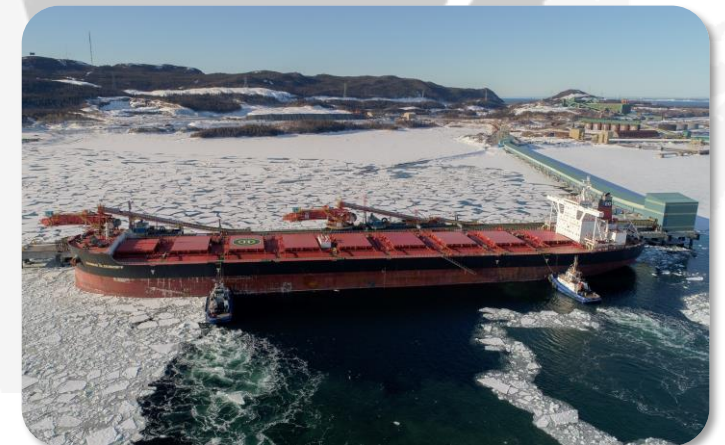


→ Cumulative investments at Bloom Lake >US\$4.5B



→ Committed to GHG reduction of 40% by 2030 and carbon neutrality by 2050

BLOOM LAKE 



Source: Champion Iron Limited

Note: <sup>1</sup> Management ownership including board of directors as of February 7, 2024

# A GLOBAL SOLUTION FOR THE TRANSITIONING STEEL INDUSTRY

CHAMPION IRON 

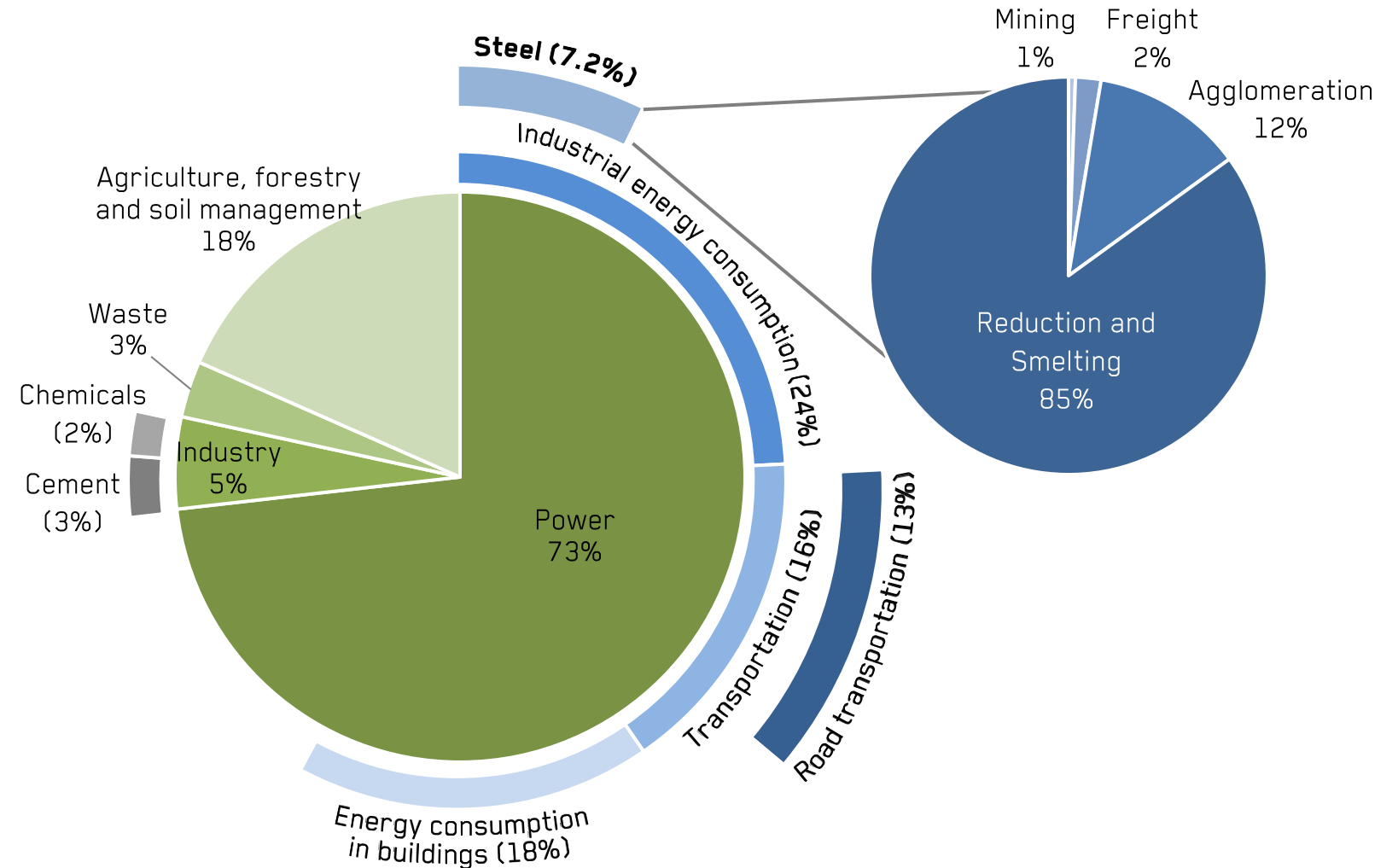
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# HIGH PURITY IRON ORE → A SOLUTION FOR GREEN STEEL

THE STEEL INDUSTRY WILL NEED TO ADAPT TO LIMIT EMISSIONS

→ The steel industry produces more than 7.2% of global CO<sub>2</sub> emissions<sup>1</sup>

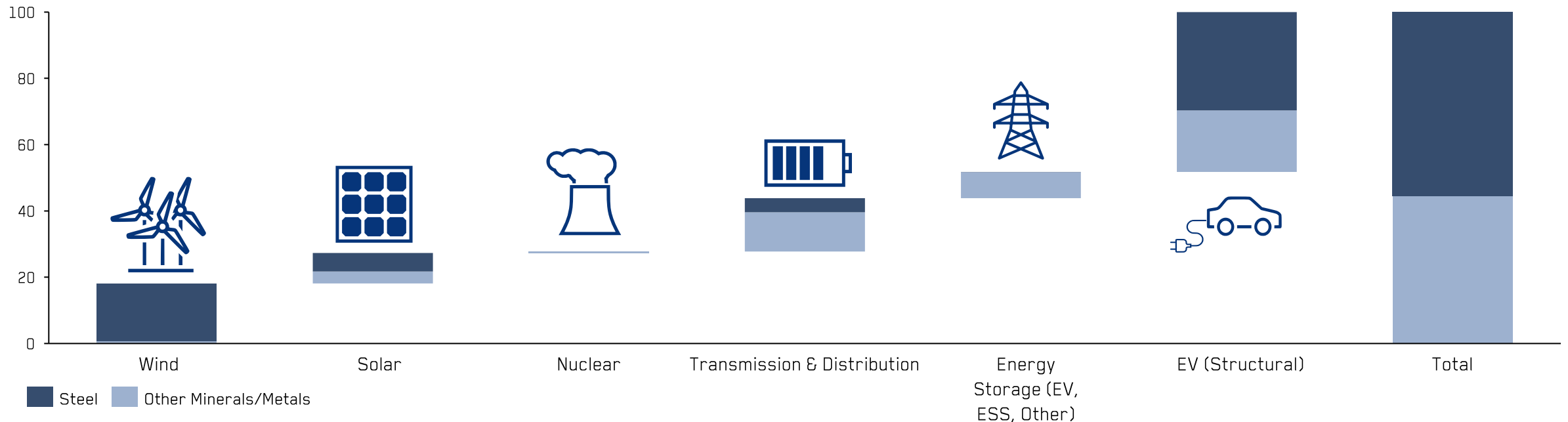


Source: <sup>1</sup> Left pie chart: Our World In Data (2020), numbers may not add up due to rounding

# STEEL IS CRITICAL TO ENABLE DECARBONIZATION

→ Under the Accelerated Energy Transition (AET) of 1.5°C, over 3.5 billion additional tonnes of steel will be required by 2050, representing over 50% of the total material used across infrastructure and related applications

## GLOBAL VOLUME OF MATERIAL REQUIRED TO REACH AET 1.5 ACROSS SELECT ENERGY TRANSITION APPLICATIONS<sup>1</sup> (% VOLUME CONTRIBUTION)



Canada will need an additional 113Mt of steel by 2050 to reach net zero targets

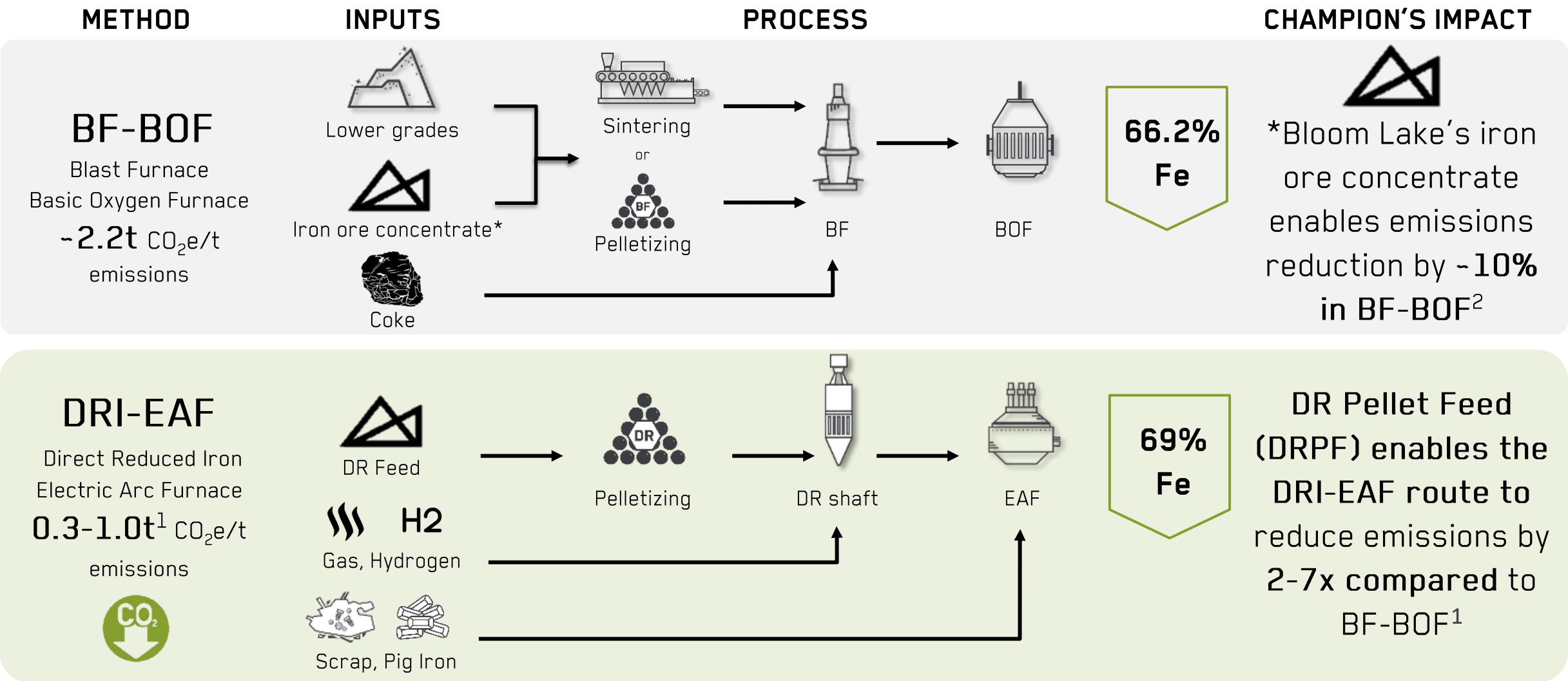


## LOCAL SUPPORT

- Québec & Labrador and Newfoundland listed high-purity iron ore on their critical minerals lists, joining other minerals such as copper, nickel and cobalt

## GLOBAL ALIGNMENT TO INCREASE DEMAND FOR GREEN STEEL

- At COP28, several countries including Canada, Germany, UK and US, pledged to procure green steel for public infrastructure construction, which is responsible for 25% of global construction revenue
- Europe's Carbon Border Adjustment Mechanism (CBAM), which initiated its first phase in 2023, aims to address carbon leakage for raw materials, including steel
- USA, Canada, Australia and Latin America announced public consultations and measures to introduce a mechanism similar to CBAM

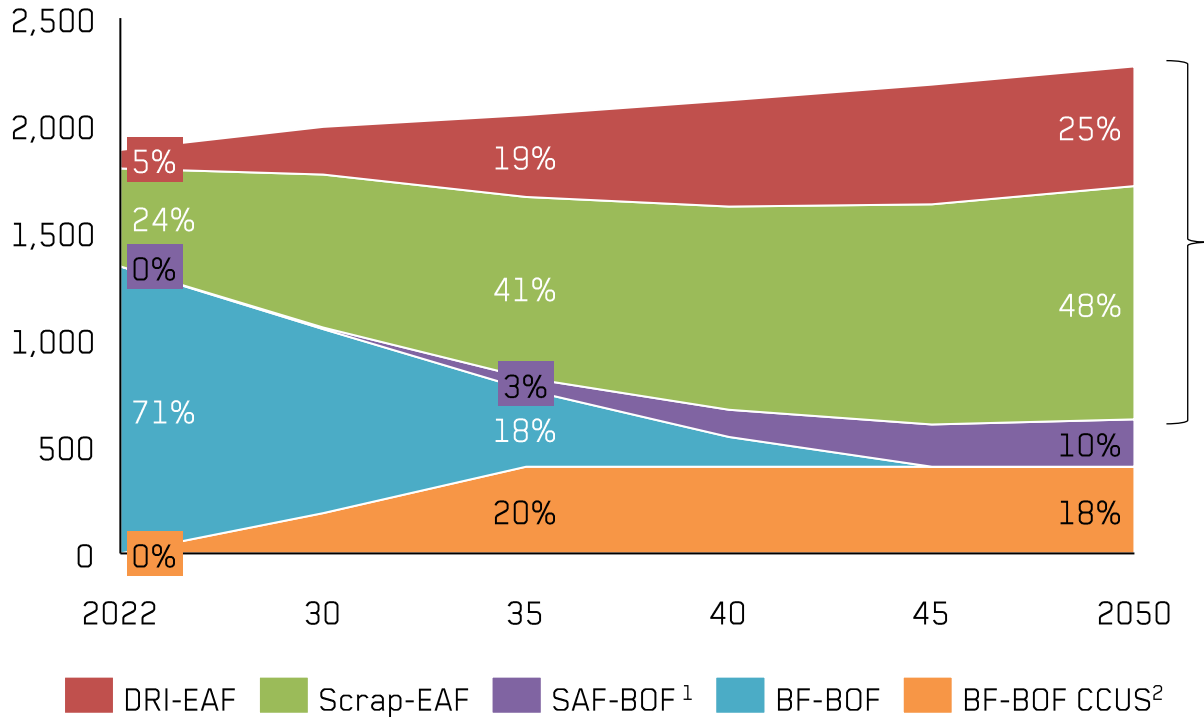


Source: data by Minespans by McKinsey, Wood Mackenzie

Notes: Direct Reduced Iron (DRI) is an intermediate form of processed iron (Direct Reduced pellets) used in green steelmaking, specifically in Electric Arc Furnaces (EAFs). Elevated silica & alumina levels increase slag formation in EAFs, which is difficult to remove |<sup>1</sup> -0.3 t using hydrogen and -1.0 t using natural gas | <sup>2</sup> Based on data from Wood Mackenzie; Champion's iron ore concentrate induces significant slag reduction and energy efficiency in the blast furnace



1.5°C pathway crude steel production by technology mix  
(Million tonnes annually and market share)



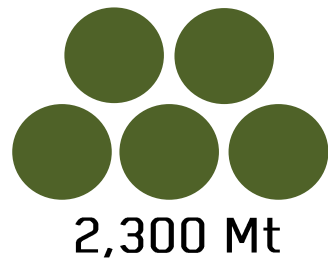
- To decarbonize the steel industry, a material transition away from BF-BOF, utilizing coal, to EAF is to occur by 2050
- Due to limited availability of scrap steel, traditionally used in EAFs, high-quality DRI will be required to complement and supplement the industry`s supply chain to achieve the emission reduction targets in line with the 1.5°C pathway
- **DRI-EAF steelmaking is expected to increase in market share from 5% to 25% by 2050**
- With several DRI-EAF projects under construction, global DR quality iron ore demand is expected to be at a deficit of more than 100 Mtpa by 2031<sup>3</sup>

High purity iron ore is to be required across all steelmaking methods to reduce emissions

Sources: Champion Iron Limited, Minespans data

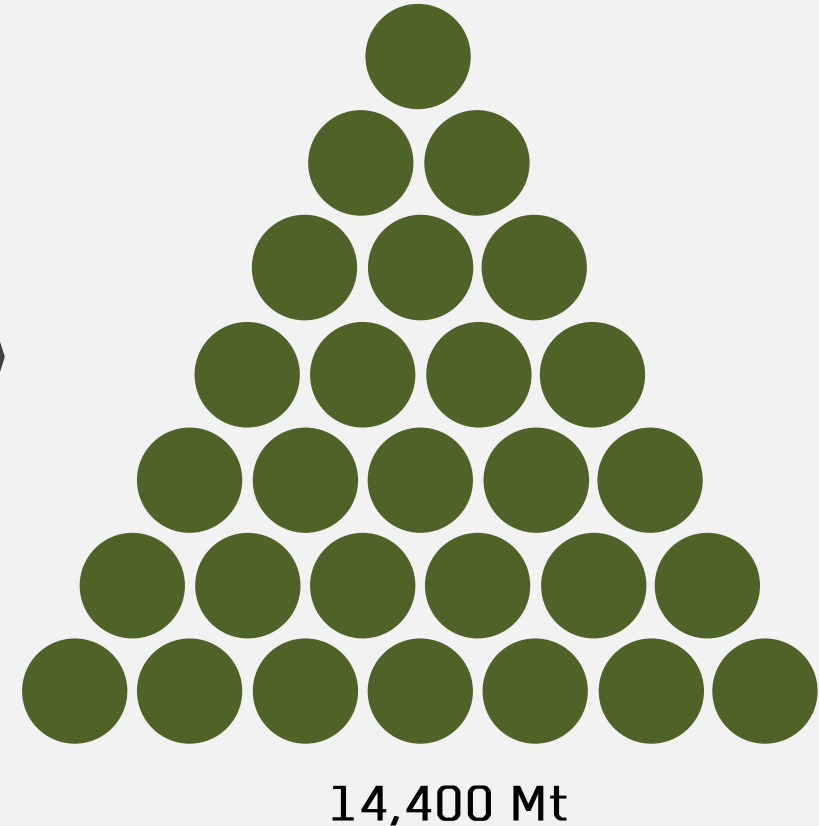
Notes: <sup>1</sup> Submerged Arc Furnaces | <sup>2</sup> Carbon capture, utilization and storage | <sup>3</sup> McKinsey & Company (The Resilience of Steel: Navigating the Crossroads)

Cumulative historical production<sup>1</sup>



Demand for Direct Reduction (DR) pellets by 2050, required in DRI-EAF steelmaking, is expected to be 6X the cumulative historical production

Forecast (2023-2050)

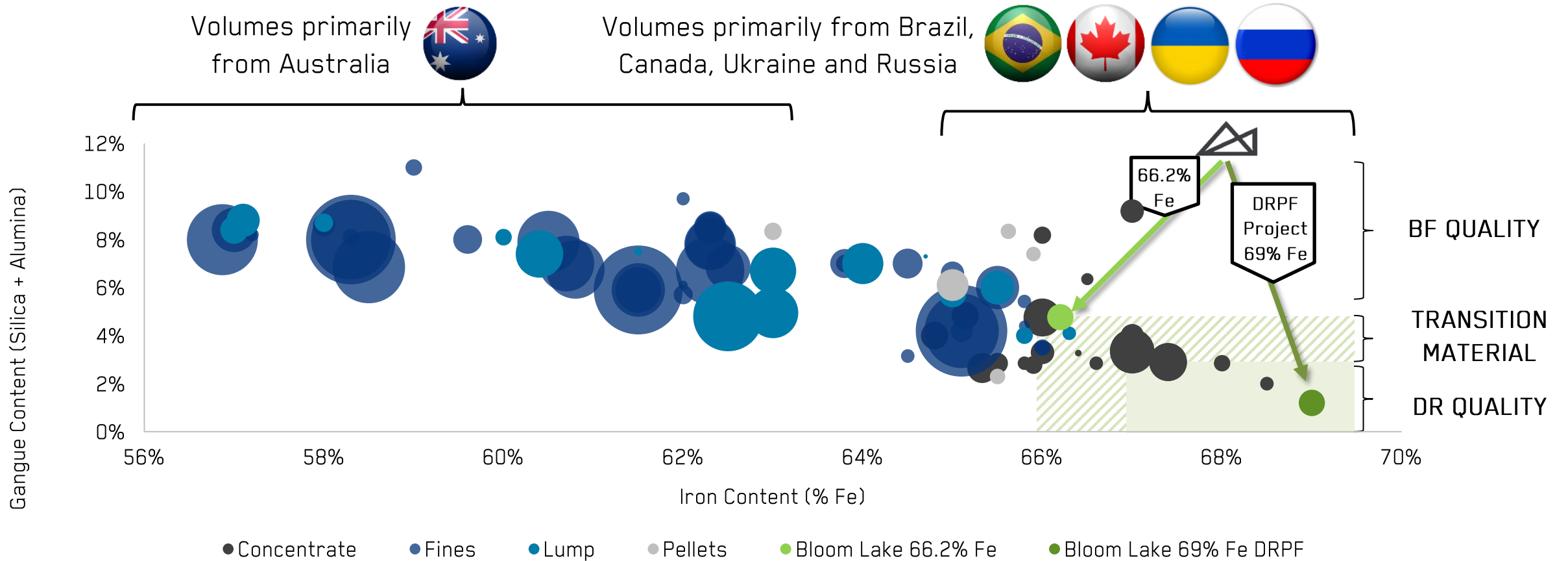


The steel industry's transition to DRI-EAF steelmaking will require an additional 348 Mtpa of high purity iron by 2050<sup>2</sup>, equivalent to an additional ~40 average scale mines

Sources: Champion Iron Limited, Minespans data, Midrex World Direct Reduction Statistics, 2021

Notes: <sup>1</sup> Cumulative historical production estimated from 1970-now; estimated DR pellet demand prior to 1970 of 1 Mtpa | <sup>2</sup> High purity iron defined as Fe > 65% and combined alumina and silica < 5.5%

## SUMMARY OF IRON CONTENT AND GANGUE CONTENT

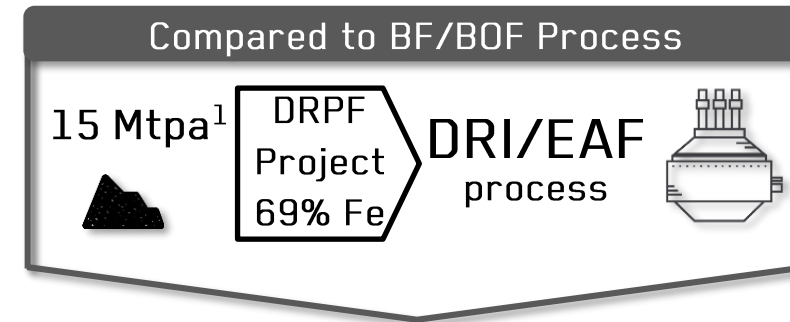
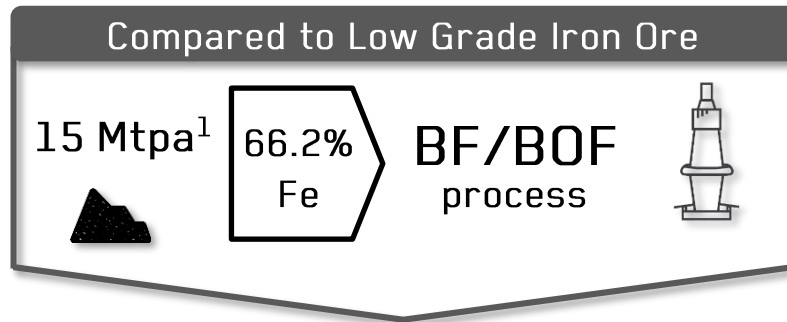


Sources: Champion Iron Limited, Wood Mackenzie 2022 data



Champion's concentrate reduces emissions in BF/BOF steelmaking

Proven ability to produce DR grade pellet feed enables Champion to engage with DRI/EAF steel makers



1.9M tonnes CO<sub>2</sub> eq/year<sup>2</sup>

=

420,000 cars/year



9.7M tonnes CO<sub>2</sub> eq/year<sup>2</sup>

=

2,150,000 cars/year

TESLA



-1.3M cars produced/year

COMPARABLE SCALE

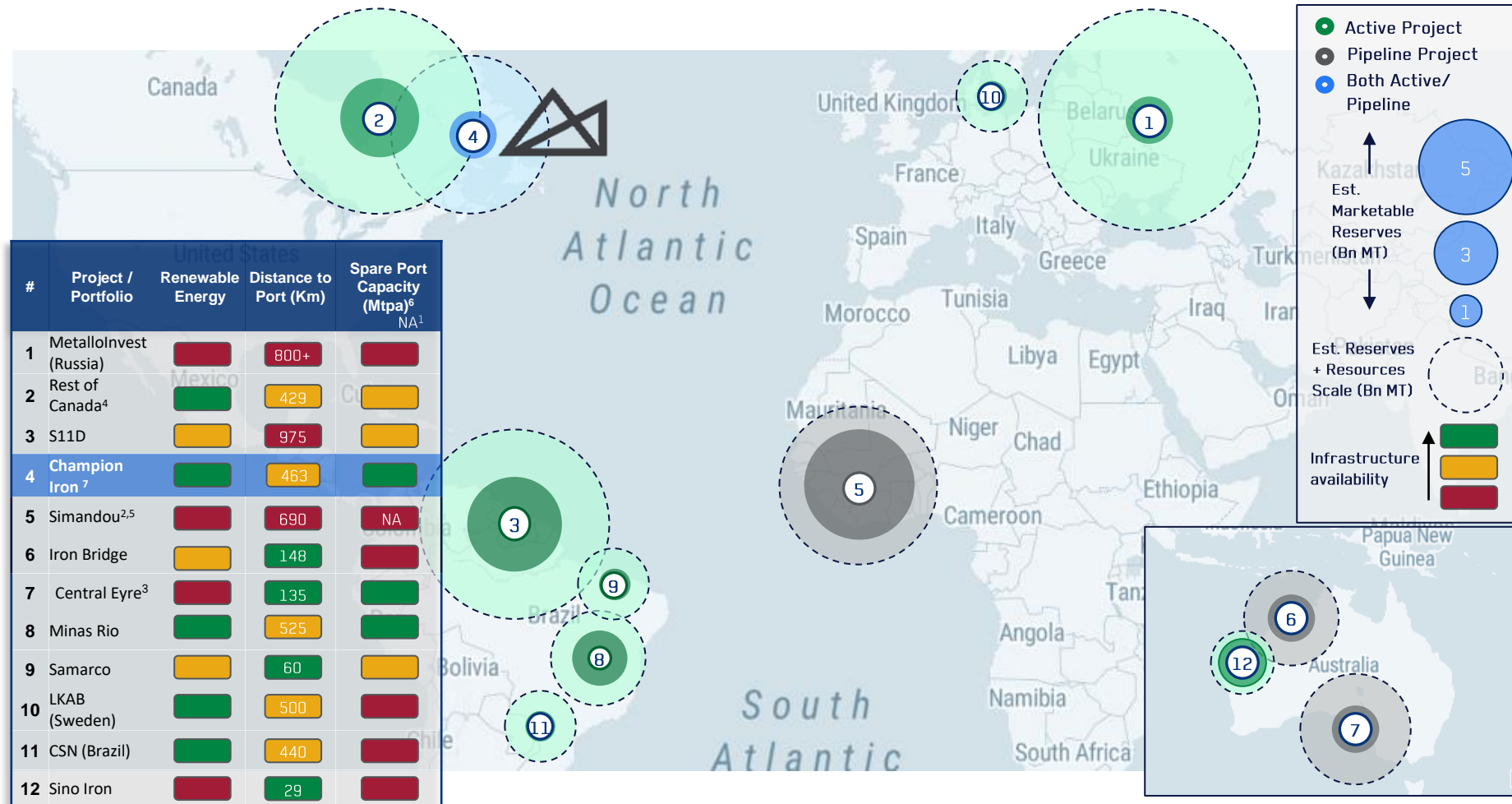


-2M cars registered by NYC residents

Sources: Champion Iron Limited, Wood Mackenzie data ; Tesla's 2022 car production; Cars registered by NYC residents as per [www.nyc.gov](http://www.nyc.gov) and [www.streetsblog.org](http://www.streetsblog.org); Tesla' Inc.'s car production in 2020 as per [backlinko.com](http://backlinko.com) | Notes: <sup>1</sup> Phase II expected nameplate capacity of 15 Mtpa | <sup>2</sup> Assumes 4,600 Kg of CO<sub>2</sub> eq per vehicle/year (Source: US Environmental Protection Agency and Natural Resources Canada). BF/BOF reduction assumes a ratio of 1.5t of iron ore concentrate per tonne of steel produced and a reduction emission of 9.6% for Champion's 66.4% Fe (as per FY21 results) compared to 58% Fe (Based on Wood Mackenzie estimate of 8% reduction for P65 vs. P58). DRI/EAF steel making route assumes 1.47 tonne of pellet feed concentrate per tonne of steel produced.

# PROVIDING A GLOBAL SCALE SOLUTION

CHAMPION CONTROLS ONE OF THE LARGEST RESERVES AND RESOURCES CAPABLE OF PRODUCING HIGH-GRADE IRON ORE, INCLUDING POTENTIAL ACCESS TO RENEWABLE POWER AND AVAILABLE INFRASTRUCTURE

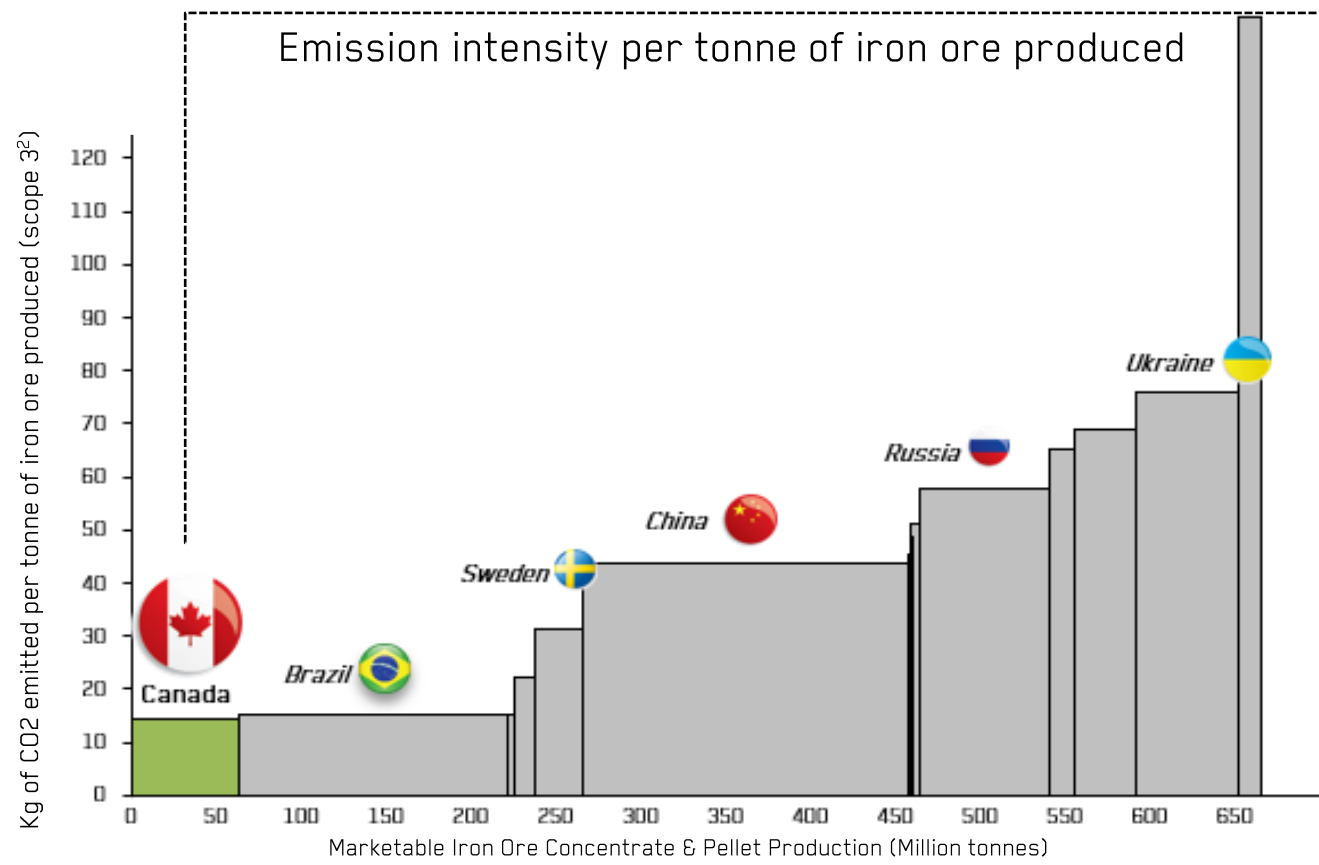



Sources: Wood Mackenzie, Corporate Reports, PFS Studies, Public Information (can include estimates).

Notes: Billion Metric tonne reserves; Resources are estimated on a Measured, Indicated, and Inferred Basis. Global snapshot is not exhaustive |<sup>1</sup> Port capacity estimate could not be reasonably identified |<sup>2</sup> Port not yet constructed |<sup>3</sup> Port not yet constructed |

<sup>4</sup> Rest of Canada data is not exhaustive (Mont Wright, Carol Lake, Fire Lake, Baffinland) |<sup>5</sup> Simandou includes Blocks 1-4 |<sup>6</sup> Spare port capacity estimated; Green-40+, Yellow-20-39, Red-0-19 |<sup>7</sup> Champion Iron reported distance from Bloom Lake to Pointe Noire.

- Canadian high-purity iron ore is produced with one of the lowest carbon intensities globally
- A complete transition of Bloom Lake’s 15 Mtpa nameplate capacity to DRPF quality iron ore could reduce nearly 9.7Mt of CO<sub>2</sub> eq/year in the steelmaking process, representing over 100 times the emissions generated by our Company





- Benefiting from hydropower generation capacity, Champion has an **industry leading position in emission intensity** per tonne of high-purity iron ore produced of 9.8 Kg of CO<sub>2</sub>/t
- **29.3% Reduction in emissions intensity** per tonne of iron ore concentrate produced compared to the 2014 reference year under previous ownership<sup>1</sup>

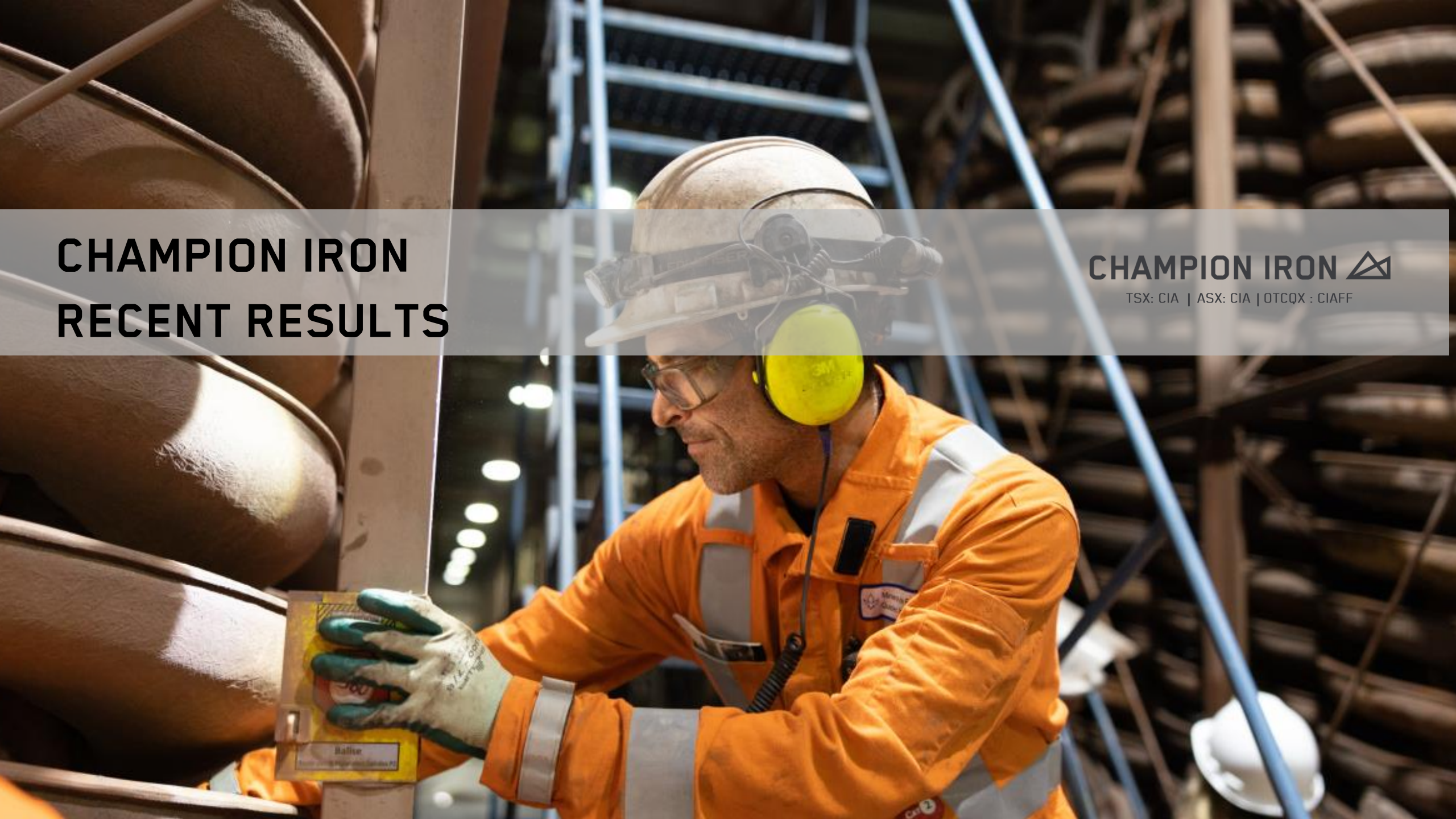
Sources: Champion Iron Limited, Wood Mackenzie 2020 data

Notes: <sup>1</sup> Scope 1 emission reduction based on calendar year 2022 results | <sup>2</sup> Scope 3 stops at Third Party Port and Transport Fees Downstream but excludes BOF supply / Iron ore supply;

# CHAMPION IRON RECENT RESULTS

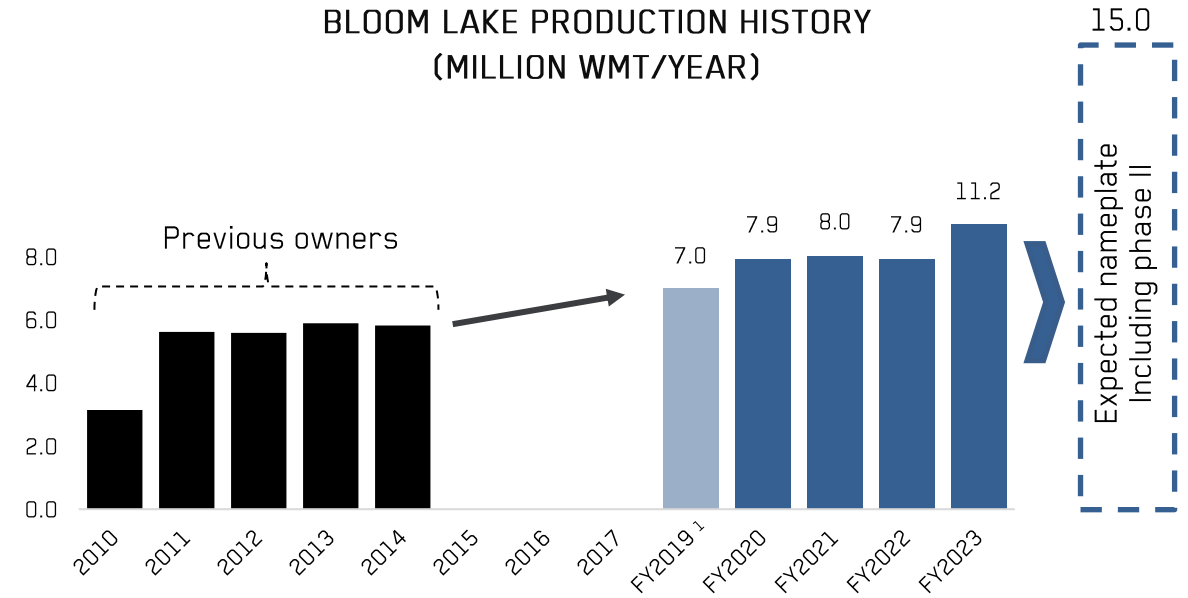
CHAMPION IRON 

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# SETTING NEW PRODUCTION RECORDS AT BLOOM LAKE

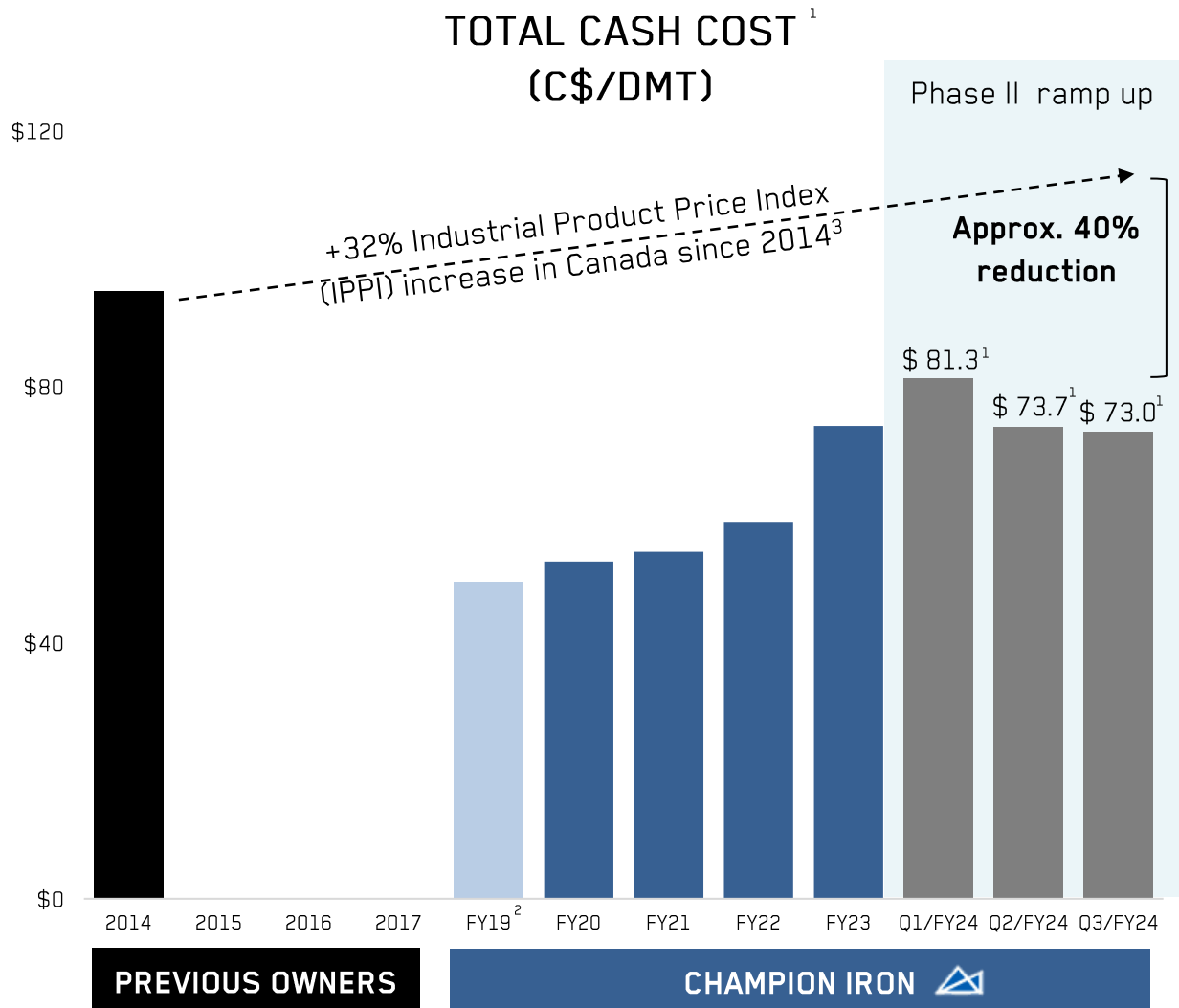
→ Increased operational stability, resulting in record quarterly iron ore concentrate production of 4.0M wmt in Q3/FY24, surpassing Bloom Lake's expanded nameplate capacity of 15 Mtpa (equivalent to an average quarterly nameplate capacity of 3.75 Mt)



- Slower than anticipated ramp-up in railway services resulted in the inability to haul all the iron ore concentrate produced in recent periods with 2.4M wmt stockpiled as of December 31, 2023
- The Company is engaging with the rail operator to ramp-up services and access its contracted shipping capacity to ensure it can haul Bloom Lake's increased production in future periods and gradually ship iron ore concentrate currently stockpiled at Bloom Lake

Note: 1. FY2019 reflects Bloom Lake's commissioning year





→ Q3 FY2024 results: Continued to optimize operating costs metrics, with a total cash cost<sup>1</sup> of \$73.0/t (US\$53.6/t)

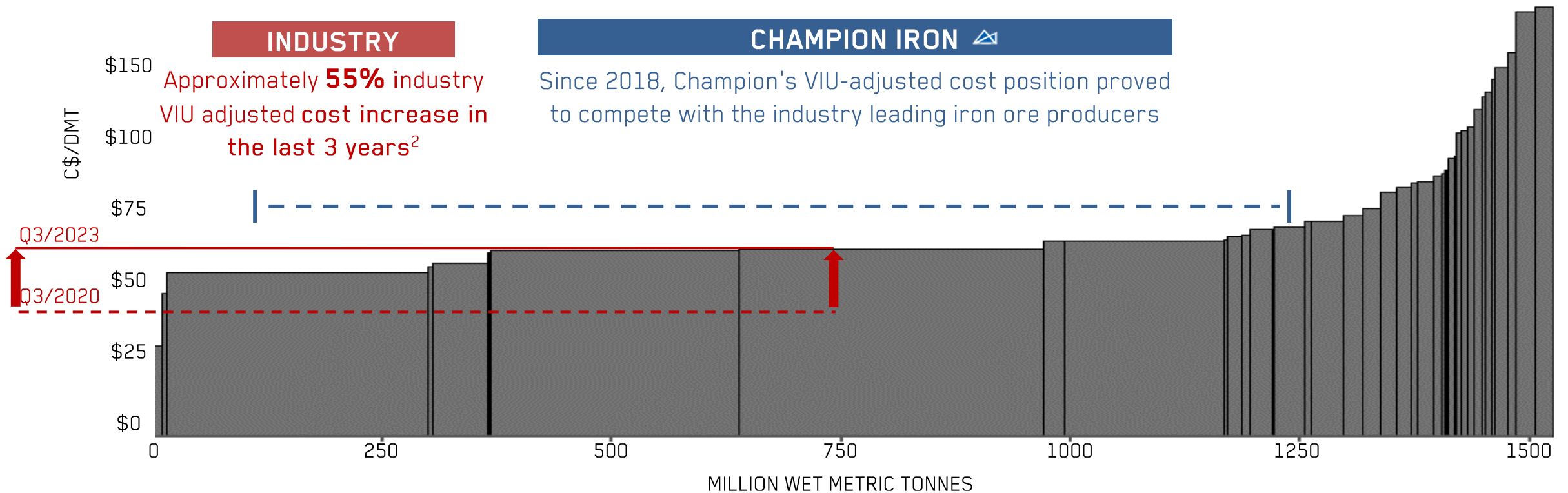
→ The Company expects its cash cost per tonne to benefit from several factors in the near-term, including:

- Reduced utilization of contractors as the Company fills vacant positions
- Increase in infrastructure reliability with a continued focus on optimizing operations

Sources: Champion Iron Limited, cost curve provided by Wood Mackenzie for Q4/CY23

Notes: <sup>1</sup> Non-IFRS financial measure, ratio or other financial measure. Refer to the disclaimer at page 2 | <sup>2</sup> FY2019 reflects Bloom Lake's commissioning year | <sup>3</sup> Sourced from Statistics Canada, Industrial product price index (IPPI) in January 2014 at 94.0, and December 2023 at 123.7

## VALUE-IN-USE (VIU) ADJUSTED IRON ORE COST CURVE (CFR, 62% FE FINES EQUIVALENT)<sup>1</sup>



Competitive cost profile, adjusted for VIU, compared to global iron ore producers despite recent transitional costs required for Bloom Lake's ramp-up expanded capacity and current high-grade quality premium at historical low level

Notes: 1. Cost curve by Wood Mackenzie for calendar period Q3/2023, converted to CAD at Q3/2023 average USD/CAD rate of 1.315 according to Bloomberg | 2. 50<sup>th</sup> percentile cost as of Q3/2023, compared to Q3/2020 of US\$30/dmt. Data provided by Wood Mackenzie.

# ROBUST FINANCIAL RESULTS AND BALANCE SHEET

→ Robust financial results and liquidity, positioning the Company to diligently consider growth opportunities while continuing its capital return strategy

## BALANCE SHEET AS AT DECEMBER 31, 2023



**\$387.4M** Cash and cash equivalents  
**\$228.0M** Working capital <sup>1,2</sup>



**\$549.5M** Short-term & Long-term debt <sup>3</sup>



**Cash net of debt of \$65.9M** <sup>4</sup>  
**\$550.3M** Available & undrawn loans <sup>5</sup>

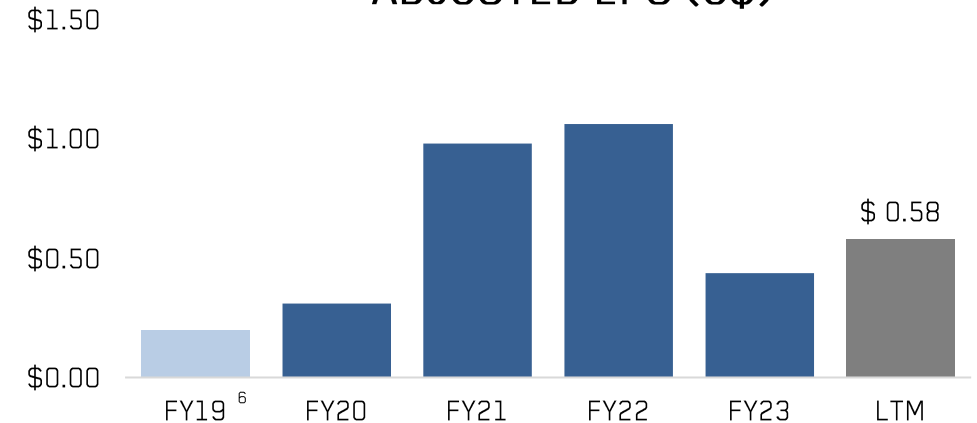


Five semi-annual dividends of \$0.10 per share declared to date

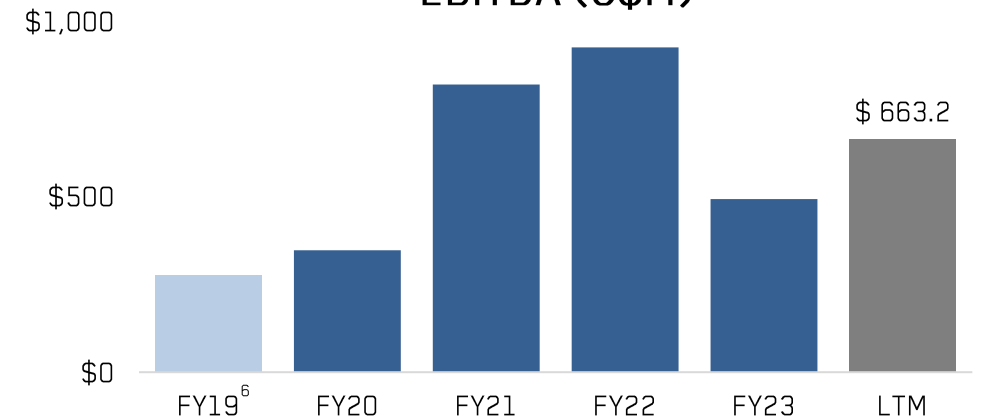


The Company expects its liquidity position to gradually benefit from the sales of the 2.4M wmt of iron ore concentrate stockpiled at Bloom Lake

## ADJUSTED EPS (C\$)<sup>1</sup>



## EBITDA (C\$M)<sup>1</sup>



Notes: <sup>1</sup> Non-IFRS financial measure, ratio or other financial measure. Refer to the disclaimer at the page 2 of this presentation | <sup>2</sup> Receivables: \$181.2M; Prepaid expenses and advances: \$47.4M; Inventories: \$284.1M; accounts payable and other: (\$244.3M); Income tax payable: (\$40.4M) | <sup>3</sup> Short-term and long-term debt face value includes US\$230M term loan, US\$85.2M from Caterpillar Financial Services, \$75M from FTQ and \$57.6M from Investissement Québec | <sup>4</sup> Including working capital | <sup>5</sup> Undrawn loans included US\$400M revolving facility and US\$16M from Caterpillar Financial Services | <sup>6</sup> FY2019 reflects Bloom Lake's commissioning year

A glowing orange molten metal cup is being held by tongs in a dark industrial setting. The cup is the central focus, with bright orange and red light emanating from it. The background is dark and industrial, with various metal parts and structures visible. The overall scene is dramatic and highlights the industrial process of metal casting.

# PRODUCT DEVELOPMENT AND GROWTH INITIATIVES

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TSX: CIA | ASX: CIA | OTCQX : CIAFF

→ DE-RISKING A VAST PROJECT PORTFOLIO REQUIRED FOR THE GREEN STEEL SUPPLY CHAIN

## PRODUCTS OPTIMIZATION



**UPGRADE BLOOM LAKE**  
Concentrator(s) to  
Direct Reduction Pellet Feed (DRPF)  
quality iron ore



**POINTE-NOIRE PELLET PLANT**  
Study to rebuild and produce DR  
grade pellets



**COLD PELLETIZING**  
Invested and collaborating with  
Binding Solutions Limited ("BSL")

## MINING VOLUME INCREASE



**BLOOM LAKE → BEYOND 15 MTPA**  
Significant mineral resources creating  
opportunities beyond LoM



**KAMI → 9 MTPA PROJECT**  
Recently completed Study



**CLUSTER II**  
Sizeable opportunity comparable in  
scale to Simandou Block 3 & 4<sup>1</sup>

Project underway to upgrade the Phase II plant, from 66.2% to 69% Fe, to produce 7.5 Mtpa of DRPF quality iron ore, expected to attract significant additional pricing premium



66.2%  
Fe

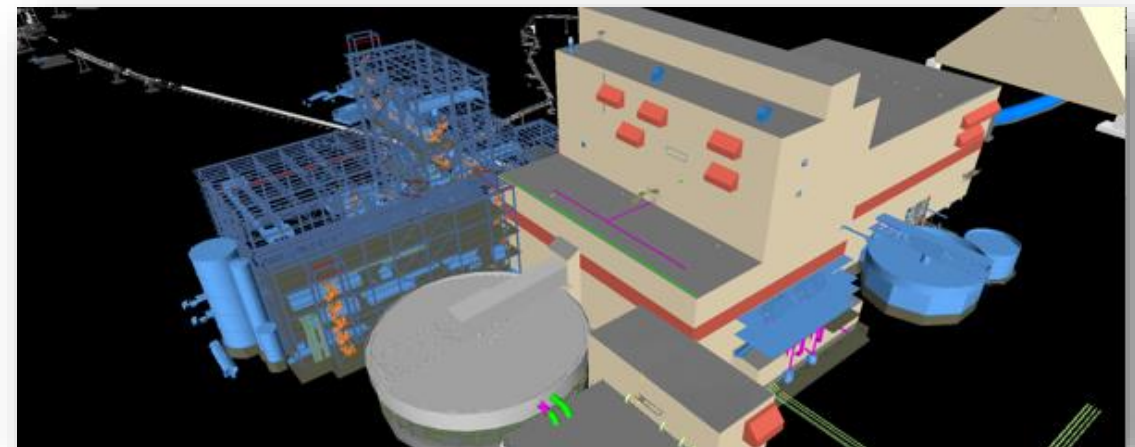


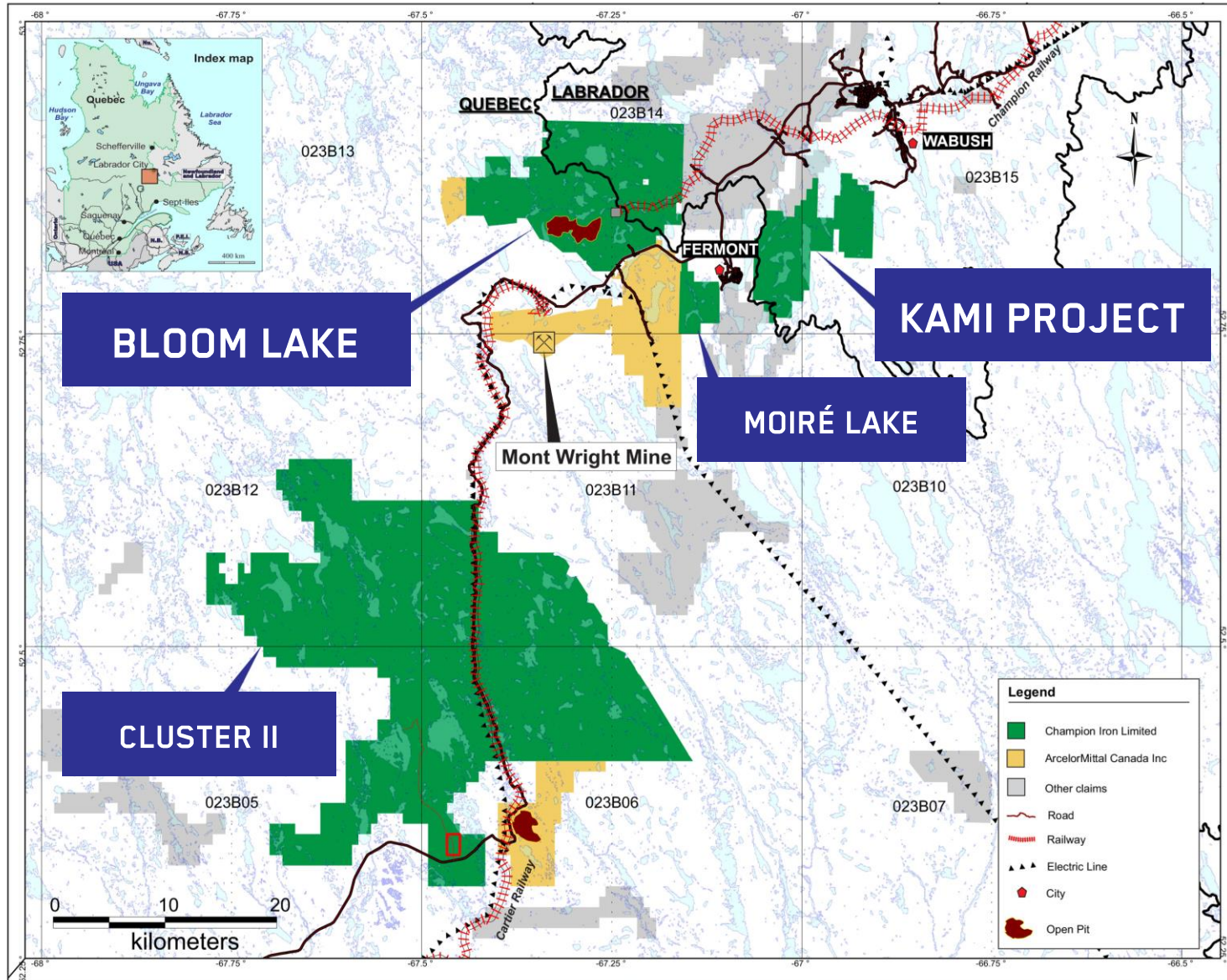
69%  
Fe

## PROJECT MILESTONES

- In connection with the positive findings of the DRPF Project study released in January 2023, the Company advanced work programs to protect the Project schedule and provided a final investment decision in January 2024
- Project advancing as planned, including a cumulative investment of \$59.9M as of December 31, 2023, with commissioning expected in calendar H2/2025, subject to key construction milestones to be completed in mid-2024
- Project milestones to date include:
  - ✓ Initiated procurement activities for long lead items
  - ✓ Received allocation of hydroelectric power
  - ✓ Advanced detailed engineering

	C\$	US\$
Capex	\$470.7M	\$351.3M
Net Present Value ("NPV")	Pre-tax NPV <sub>8%</sub> of \$1230.1M After-tax NPV <sub>8%</sub> of \$738.2M	Pre-tax NPV <sub>8%</sub> of \$918.0M After-tax NPV <sub>8%</sub> of \$550.9M
Internal Rate of Return ("IRR")	Pre-tax IRR of 30.1% After-tax IRR of 24.0%	





## KAMI PROJECT

- Sizeable high-purity iron resource, significantly de-risked by the Project's previous owners
- Strategically located near available infrastructure only a few kilometers southeast of Bloom Lake in the province of Newfoundland and Labrador
- Expected access to hydroelectric power
- Mining friendly jurisdiction with a long history of supporting iron ore operations
- Benefits from permitting work completed by the previous owner

# KAMI PROJECT → STUDY HIGHLIGHTS



Kami Project study evaluated the production of **9.0M wmt per year** of DR grade pellet feed iron ore at above 67.5% Fe



Project is estimated to require a **48-month construction period** and have a life of mine of **25-years**



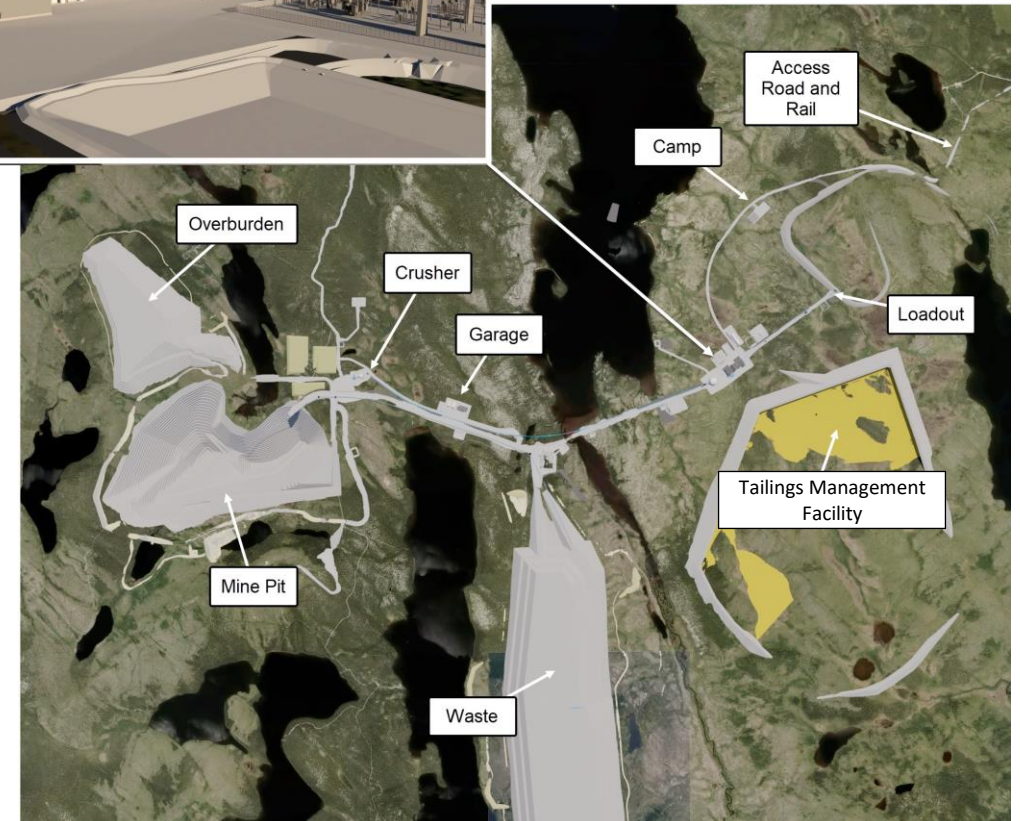
Project flowsheet to rely on **proven technologies**



Potential to access the same rail and port infrastructure as Bloom Lake



Project expected to hold an **industry leading position** for **emission intensity per tonne** of high purity iron ore concentrate produced





# KAMI STUDY HIGHLIGHTS → ECONOMIC RESULTS

- Positive findings of the study, resulting in after tax economics of:
  - Base case NPV of \$541M and IRR of 9.8%
  - 3-year trailing prices NPV of \$2,195M and IRR of 14.8%
  
- Completion of the study enables the Company to work on strategic partnership opportunities prior to considering a final investment decision



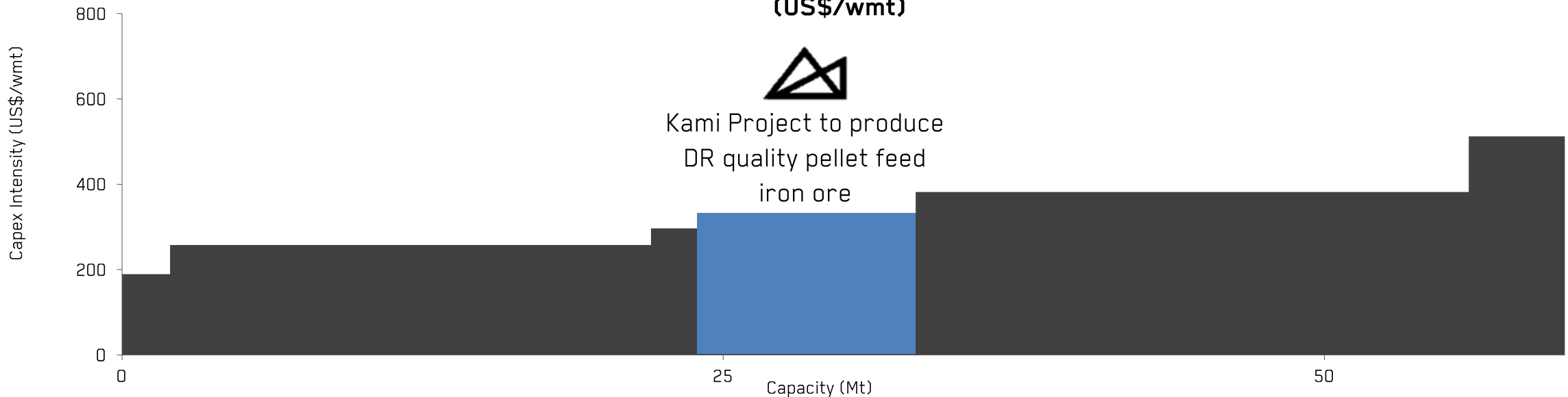
PROJECT ECONOMICS	BASE SCENARIO		3-YEAR TRAILING PRICE SCENARIO <sup>3</sup>	
	C\$	US\$	C\$	US\$
P65 Index price assumption <sup>1</sup>	156.0/t	120.0/t	197.9/t	152.2/t
<b>PRE-TAX</b>				
NPV8% (\$M)	1,482M	1,140M	4,034M	3,103M
IRR (%)	12.1%		18.0%	
<b>AFTER-TAX</b>				
NPV8% (\$M)	541M	416M	2,195M	1,688M
IRR (%)	9.8%		14.8%	

CAPEX AND OPEX	C\$	US\$
Initial Capex (M)	3,864	2,972
C1 Total Cash Cost per dmt <sup>2</sup>	76.1	58.5
Total All-in Sustaining Costs per dmt (AISC) <sup>2</sup>	89.5	68.9

Source: Champion Iron Limited I Notes: <sup>1</sup> Project economics derived from (i) P65 index and (ii) an additional premium for DR grade quality iron ore | <sup>2</sup> Non-IFRS financial measure, ratio or other financial measure. Refer to the disclaimer at the page 2 of this presentation | <sup>3</sup> Including CSR and miscellaneous | <sup>3</sup> Based on calendar year 2021 to 2023 | See disclosure page for statement regarding the Kami Project Study

- Kami Project’s expected capital intensity of US\$331/wmt of production capacity is competitive with recently completed high-grade concentrate greenfield projects’ capital intensity average of US\$328/wmt<sup>1</sup>
- Recently completed project’s capital intensity implies a replacement value for Bloom Lake of nearly US\$5B, equivalent to C\$12.3/share, without consideration for other assets in the Company’s portfolio<sup>2</sup>

**HIGH-PURITY FE GREENFIELD COMPLETED PROJECTS CAPEX INTENSITY (2014-2022)**  
(US\$/wmt)



High-grade iron ore projects, critical for the green steel transition, require significant capital investments

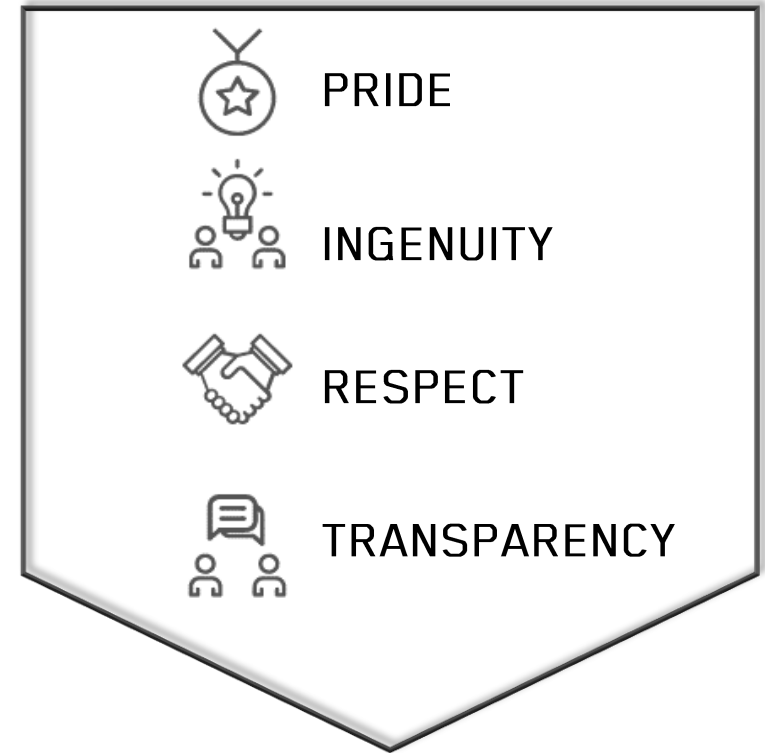
Sources: 1 Wood Mackenzie data and public company filings; Capital intensity per tonne presented in wet metric tonnes, based on the last trailing five-year average production of projects, excluding direct shipping ore (DSO) projects and Bloom Lake Phase I and Phase II, and based on expected nameplate capacity for projects in commissioning | 2 Based on 15M wmt per year, C\$/US\$ exchange rate of 1.34 and fully diluted shares of 537.8M as at February 1, 2024

# OUR PEOPLE ARE OUR MOST VALUABLE ASSET

CREATING A POSITIVE IMPACT FOR LOCAL COMMUNITIES WITH OUR EXPERTISE, ROBUST CULTURE AND VALUES



UPHOLDING OUR VALUES FOR A SUSTAINABLE FUTURE



# THANK YOU!

CHAMPION IRON 

TSX: CIA | ASX: CIA | OTCQX : CIAFF

## Contact us for more information

Michael Marcotte, CFA

Senior Vice-President – Corporate Development and Capital Markets

[info@championiron.com](mailto:info@championiron.com)

514-316-4858

# APPENDIX: BLOOM LAKE → OPPORTUNITIES BEYOND LOM

Released the details of the updated mineral resources and reserves for Bloom Lake on August 22, 2023, including:

- Confirmed 18 years life of Mine (“LoM”), based on the mineral reserves, including an average annual production of 15.2M wmt of high purity iron ore concentrate at 66.2% Fe
- Expanded opportunity beyond the LoM plan, including an increase to the measured and indicated (“M&I”) resources by 40% and an increase to the inferred resources by 360%
- Mineral resources and reserves based on a long-term P65 iron ore price of US\$110.24/t and US\$99.0/t, respectively, compared to the 3 and 5 year average P65 iron ore price of US\$148.6/t and US\$128.5/t, respectively<sup>1</sup>



## TECHNICAL REPORT HIGHLIGHTS

Mining Parameters		Iron Ore Price Parameters	
Average recovered concentrate (M wmt/year)	15.2	LoM average iron price at 66.2%Fe CFR China (based on P65 Index of US\$99.0/t)	US\$100.9/t
Life of mine (years)	18 years	LoM average ocean freight cost	US\$24.5/t
Average LoM operating cost / Total cash cost <sup>2</sup> (dmt)	C\$64.6/t	Average Exchange Rate (CAD/USD)	1.27
Average Stripping Ratio (waste:ore)	0.96		
Average Fe Processing Recovery (%)	82.0%		

## UPDATED MINERAL RESOURCES AND RESERVES

### Mineral Resource Estimate for Bloom Lake (15% Fe Cut-Off Grade, Undiluted)

Category	Tonnage (M dmt)	Fe (%)	CaO (%)	Sat (%)	MgO (%)	Al <sub>2</sub> O <sub>3</sub> (%)
Measured	186.7	30.4	1.3	5.5	1.3	0.3
Indicated	1,065.5	28.4	1.3	6.1	1.2	0.5
<b>Total M+I</b>	<b>1,252.2</b>	<b>28.7</b>	<b>1.3</b>	<b>6.0</b>	<b>1.2</b>	<b>0.5</b>
Inferred	246.3	26.6	1.4	6.4	1.2	0.5

### Mineral Reserve Estimate for Bloom Lake (15% Fe Cut-Off Grade, Diluted)

Category	Diluted Ore					
	Tonnage (M dmt)	Fe (%)	CaO (%)	Sat (%)	MgO (%)	Al <sub>2</sub> O <sub>3</sub> (%)
Proven	183.7	30.0	1.3	5.6	1.3	0.3
Probable	532.5	28.1	2.1	9.2	2.0	0.5
<b>Total P&amp;P</b>	<b>716.2</b>	<b>28.6</b>	<b>1.9</b>	<b>8.3</b>	<b>1.8</b>	<b>0.4</b>

Notes: See disclosure page for statement regarding the 2023 Technical Report | <sup>1</sup> 3 and 5-years average P65 iron ore prices based on calendar years 2018 to 2022 | <sup>2</sup> LOM operating costs divided by tonnage sold in dmt