

# A New Benchmark for Sustainable Mining

Wyloo Presentation 2024

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All figures are in US dollars unless otherwise noted.

#### **Abbreviations & Acronyms**

**B** billion

**CO<sub>2</sub>e** carbon dioxide equivalent

Cu copper

**EA** environmental assessment

**k** thousand

**kt** thousand tonnes

**ktpa** thousand tonnes per annum

**EV** electric vehicle

**IBM** integrated battery facility

**MW** megawatt

Mt million tonnes

**Ni** nickel

**NiEq** nickel equivalent

**oz** ounces

**Pd** palladium

**PCAM** precursor cathode active material

**PGE** platinum group elements

**Pt** platinum

t tonnes

tCO<sub>2</sub> total carbon dioxide

**tpa** tonnes per annum

**tpd** tonnes per day

## We are Wyloo

## **≫WYLOO**

## Global nickel producer of scale

Greenest nickel in the world

All projects located in IRA-compliant jurisdictions of Australia and Canada

#### **Large Pipeline of Projects**

- Production, development & exploration
- Dominant land package in three prolific nickel belts (Kambalda, Ring of Fire, Cape Smith)

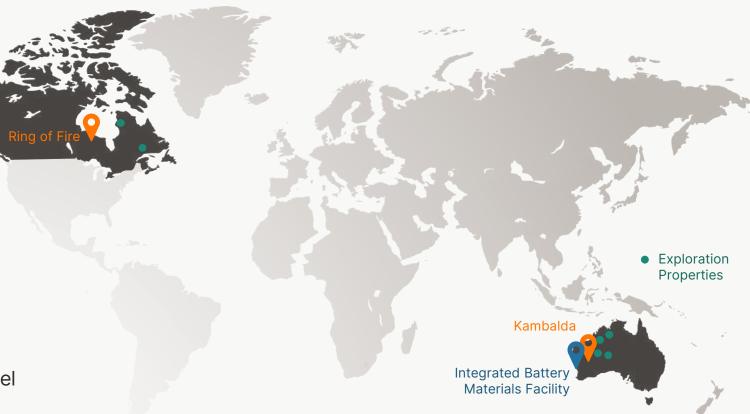
### **Integrated Downstream Process**

- Developing Australia's first PCAM facility, in partnership with IGO
- Proprietary refining technology: low-cost, low-carbon process
- Leveraging technology in Canada





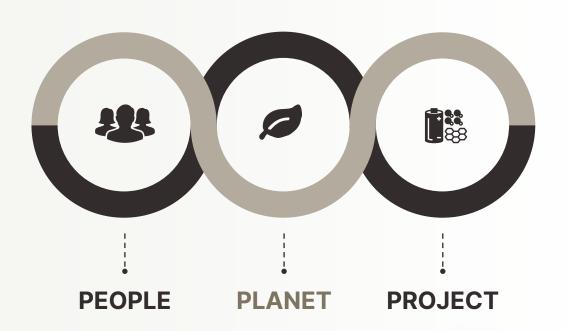




## Wyloo Ring of Fire

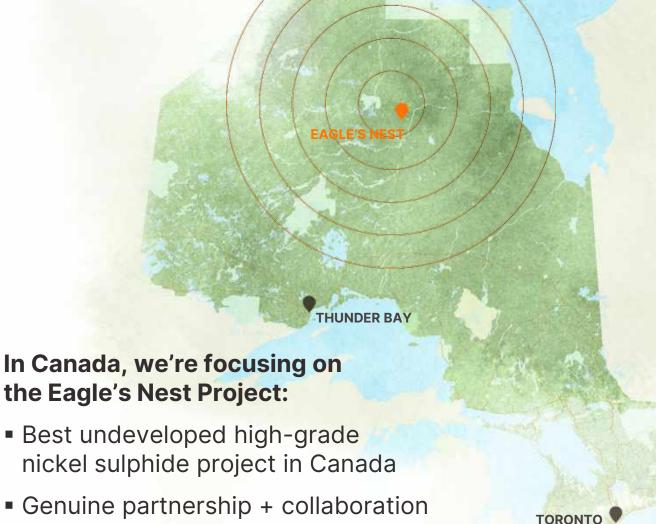
Developing world-class operations vital for the clean energy transition

Our vision is to unearth critical minerals, innovate how we mine and process them, and sustain the planet for future generations.



## In Canada, we're focusing on

- Best undeveloped high-grade nickel sulphide project in Canada
- Genuine partnership + collaboration with local communities to create prosperity and opportunity for generations to come
- Industry-leading practices and technologies that make us the benchmark for sustainable mining



## Backed by a Global Mission





Our family of companies is driving global decarbonization through investment in critical minerals and renewable energy

With the largest philanthropy in the Southern hemisphere



**A\$7.6B** philanthropic causes



#### **GREEN CRITICAL MINERALS**



\$5B valuation

Global integrated nickel company producing high-grade clean nickel and other critical minerals



### **SQUADRON** ENERGY

\$10B valuation Australia's largest renewable energy owner, developer and operator





**US\$57B** market cap

Iron ore major & world leader in green base metals



World's largest green hydrogen & green tech co.

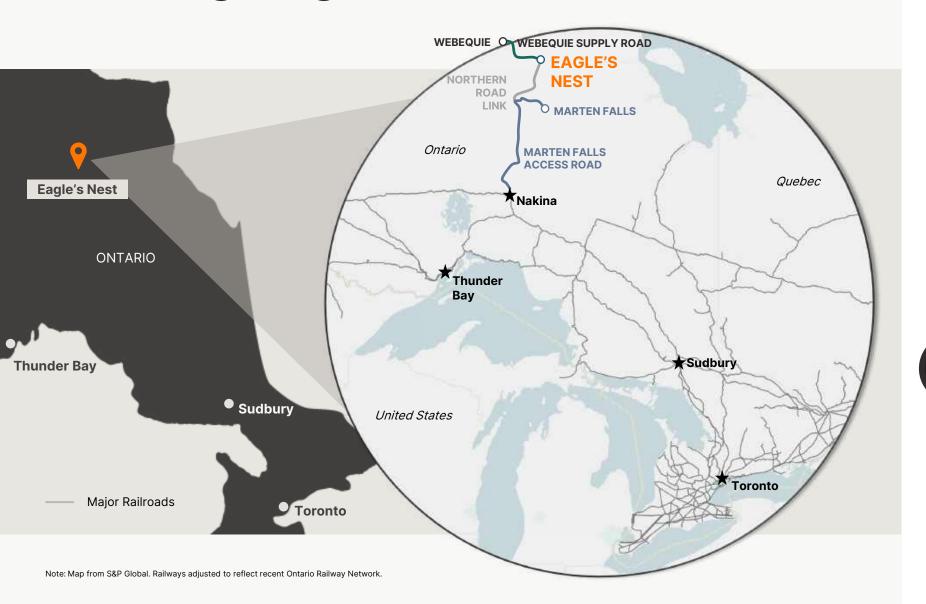
#### **GREEN ENERGY**

**GREEN BASE METALS & HYDROGEN** 



## Building Eagle's Nest





Ring of Fire region home to high grade nickel, copper, cobalt, PGE and chromite

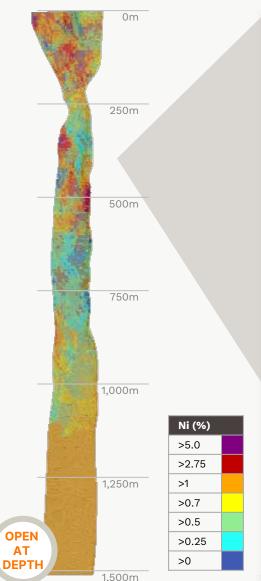
Located ~500 km northeast of Thunder Bay

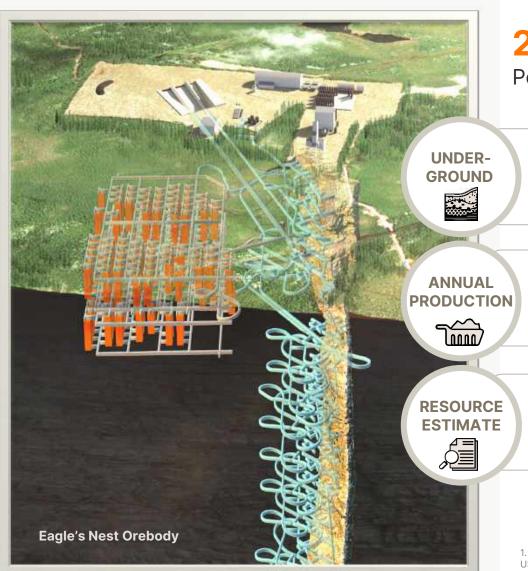
Eagle's Nest to be the **first critical minerals deposit** mined in the region



## Building Eagle's Nest







20 Year

Potential Mine-Life

15,000 tpa

Nickel in Concentrate

Traditional 3,000 tpd underground mine (blast hole open stope) with paste backfill

**15kt Ni / 6kt Cu** (also 70koz Pd / 22koz Pt / 340t Co)

in separate high quality Ni / Cu concentrates → downstream processing

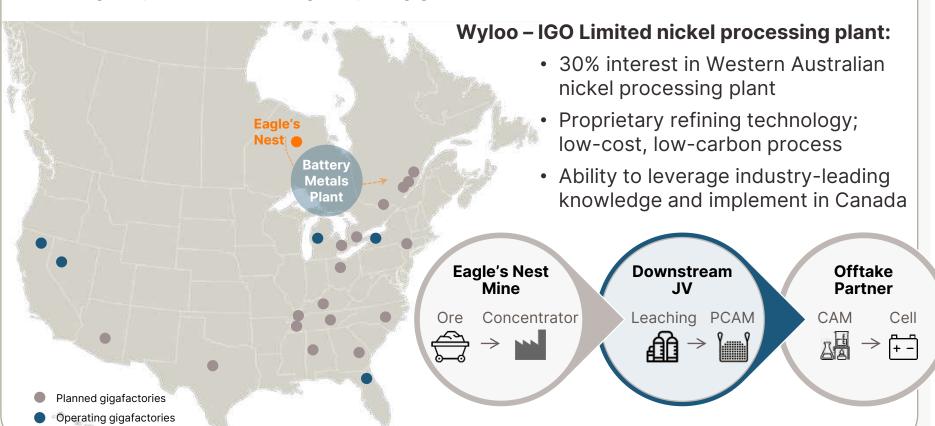
**High grade resource:** 17.2Mt @ 3.56% NiEq<sup>1</sup> for 613kt contained NiEq; open at depth

## To support midstream capacity



Establishing Ontario as a leader in North America's EV supply chain

Strategically located near 'highway' of gigafactories in the US and Canada



Committing \$25M toward feasibility studies to investigate potential for battery material production in Ontario

#### **Eagle's Nest Supply:**

15,000 tonnes annual nickel production could supply batteries for up to

## 500,000

electrical vehicles per year

 ~15% of 2030 forecast for North American EV market<sup>2</sup>

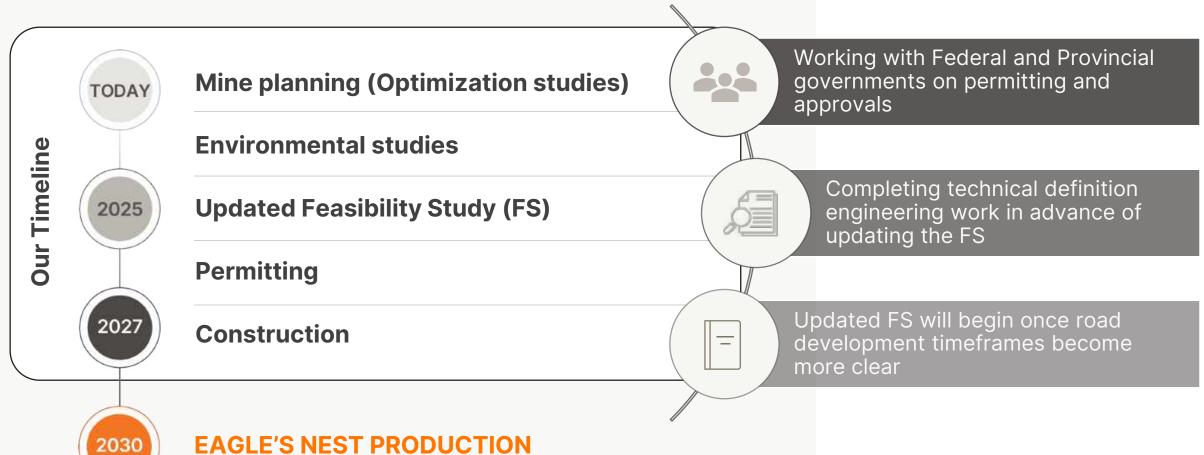
<sup>1.</sup> Based on 30kg Ni /average EV. Source: Transport & Environment (2021), From dirty oil to clean batteries

<sup>2.</sup> Based on the assumed EV sales in the USA of battery electric vehicles in 2030 to meet International Energy Agency's (IEA) Stated Polices and Announced Pledges scenarios and an average EV nickel content of 30kg Ni / average EV.

## Our Path to Production



Opportunity to supply Ontario and Canada with high-grade nickel sulphide mined sustainably in partnership with local communities







# Collaboration with Indigenous and Local Communities

Our vision is to develop the Ring of Fire deposits while partnering with local Indigenous communities and working alongside contractors, suppliers and surrounding communities

**Signed MOUs**Memorandum of
Understanding

Working towards
Partnership
Agreements









## First Nations Empowerment





50%+ Indigenous employment

at Esker Site

We believe development in this region represents a real opportunity for northern Ontario's Indigenous communities to achieve economic empowerment in the next decade



## **Create and sustain Indigenous employment opportunities**

Provides guaranteed employment for trainees upon completion



### To Indigenous-led businesses

Opportunity to participate in economic benefits provided by RoFM development

SOCIAL BENEFITS

- All-season road
- Maintenance
- Electricity

- Internet
- Healthcare
- Mobility



#### **Proven Experience:**

One of Australia's largest Indigenous employers

**1,100+ Indigenous** people employed

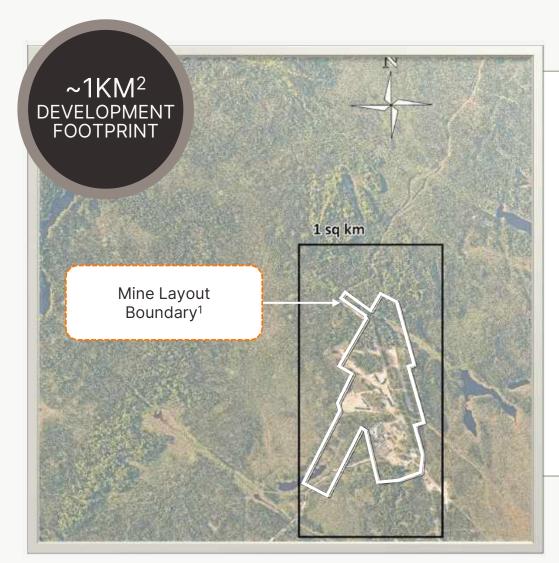
**A\$4B+ in contracts** awarded to Indigenous-owned businesses



## Sustainability at the heart of our design



Minimal surface disturbance



#### **Underground tailings storage**

- NO → surface tailings, surface quarry, open pit, waste rockpiles
- Reduces dust generation, visual impact, inundation risks and potential run-off pollution

#### Mine design on uplands

- Majority of mine design on uplands (non-peat), mainly over existing Esker Camp
- Partnering with First
   Nations and experts to
   ensure global importance
   and cultural values of
   peatland are maintained for
   qenerations to come

#### **Process water recycling plant**

 Minimizes total water usage and avoids discharge of mine effluent

#### **Environmental protection**

- Collecting info to understand impact to biodiversity, water quality, wetlands & aquatic life
- Committed to avoid large water bodies
- Caribou impact mitigation plans

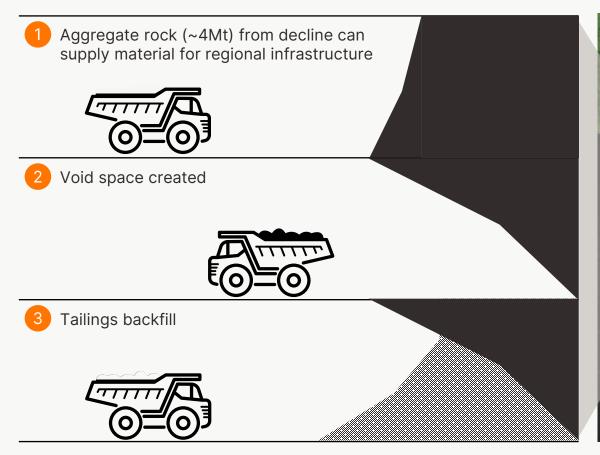
1. Subject to final mine plan design

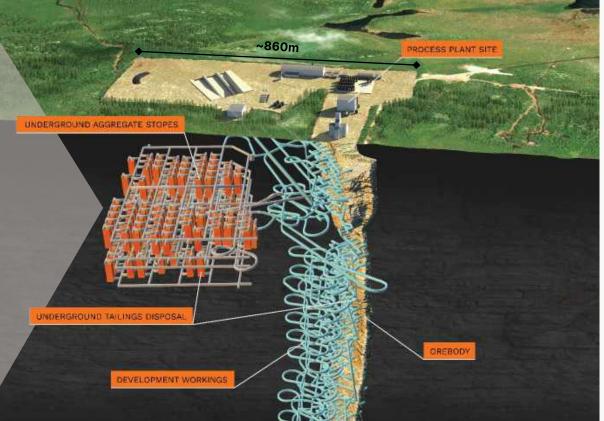
## Underground Tailings Solution



The first mine of its kind where 100% tailings will be stored underground.

The construction of a road simultaneously with the mine removes the need for a surface tailings dam, creating one of the smallest footprint mines in the world.





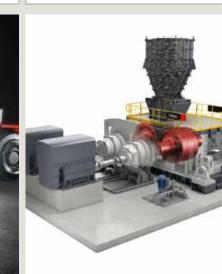
## **Net Zero Initiatives**



Going the extra mile: investigating sustainable technologies to complement existing mine design

#### **TECHNOLOGY**

All Electric Mine High Pressure Grinding Rolls Flotation (Jameson Cell)



zero emission reduction in grinding EV fleet energy (10-30%)<sup>1</sup>



smaller footprint and less energy

#### RENEWABLE ENERGY / POWER

Solar / Wind Energy Biomass Energy



harnessing natural solar and wind power



sourced from organic matter

#### **ENVIRONMENT**

Carbon Sequestration



capturing + storing atmospheric CO<sub>2</sub> in ultramafic rock

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Our Leadership Team Our Values

## Our Leadership – Canada





Kristan Straub
CEO
previously Global Mining Executive,
Glencore Nickel



Annie Sismanian CFO previously CFO, Kuya Silver



Stephen Crozier
VP Sustainability
previously VP Sustainability,
IAMGOLD



Sylvain Goyette
VP Projects
previously Manager Nickel,
Glencore



Glenn Nolan VP Indigenous Enterprises



Ryan Weston VP Exploration

## Wyloo is an organization driven by a set of values.



Humility C<\-\-J\\^⊃

Courage & Determination LUBAY & UALLY

Empowerment L<sup>0</sup>b♥-J⊃CJΔ<sup>3</sup>

Enthusiasm

Family **nv<sup>2</sup>r9**\$

Frugality

Generating Ideas

A⊃LP∩b<sub>></sub> Pσσ<sub>></sub>C∆<sub>></sub>Cσ<sub>></sub> Integrity

Safety

4°b·Г/A°

**Stretch Targets** 

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**βΡΩΝΦΡΩ** 



## Thank You and Miigwech

www.wyloo.com