

A white electric car is driving away from the viewer on a long, straight asphalt road that stretches into the distance. The landscape is a flat, arid plain with sparse, dry vegetation. In the background, a line of wind turbines is visible on the left side, and a large array of solar panels is on the right side. The sky is a pale, hazy blue, suggesting a clear day. The overall scene conveys a sense of sustainable energy and forward progress.

# Revolutionizing the Mineral Supply Chain for Fast Growing EV Demand

The Metals Company  
September 2021

## Forward looking statements.

Certain statements made in this presentation are not historical facts but are forward-looking statements for purposes of the safe harbor provisions under The Private Securities Litigation Reform Act of 1995. Forward-looking statements generally are accompanied by words such as “believe,” “may,” “will,” “estimate,” “continue,” “anticipate,” “intend,” “expect,” “should,” “would,” “plan,” “predict,” “potential,” “seem,” “seek,” “future,” “outlook” and similar expressions that predict or indicate future events or trends or that are not statements of historical matters. These forward-looking statements include, without limitation, TMC’s expectations with respect to future performance, development of its estimated resources of battery metals, potential regulatory approvals, and anticipated financial impacts and other effects of the recently completed business combination, and the size and potential growth of current or future markets for TMC’s supply of battery metals.

These forward-looking statements involve significant risks and uncertainties that could cause the actual results to differ materially from those discussed in the forward-looking statements. Most of these factors are outside TMC’s control and are difficult to predict. Factors that may cause such differences include, but are not limited to: the inability to maintain the listing of TMC’s shares on Nasdaq; the ability to recognize the anticipated benefits of the recently completed business combination, which may be affected by, among other things, the commercial and technical feasibility of seafloor polymetallic nodule mining and processing; the supply and demand for battery metals; the future prices of battery metals; the timing and content of ISA’s exploitation regulations that will create the legal and technical framework for exploitation of polymetallic nodules in the Clarion Clipperton Zone; government regulation of deep seabed mining operations and changes in mining laws and regulations; environmental risks; the timing and amount of estimated future production, costs of production, capital expenditures and requirements for additional capital; cash flow provided by operating activities; TMC’s ability to raise financing in the future; unanticipated reclamation expenses; claims and limitations on insurance coverage; the uncertainty in mineral resource estimates; the uncertainty in geological, hydrological, metallurgical and geotechnical studies and opinions; infrastructure risks; TMC’s ability to enforce the obligations of non-performing investors under subscription agreements in connection with the business combination, potential litigation risks, and dependence on key management personnel and executive officers; and other risks and uncertainties indicated from time to time in the proxy statement/prospectus relating to the recently completed business combination, including those under “Risk Factors” therein, and in other filings with the SEC.

TMC cautions that the foregoing list of factors is not exclusive. TMC cautions readers not to place undue reliance upon any forward-looking statements, which speak only as of the date made. TMC does not undertake or accept any obligation or undertaking to release publicly any updates or revisions to any forward-looking statements to reflect any change in its expectations or any change in events, conditions, or circumstances on which any such statement is based.

**DeepGreen Metals**

+

**SOAC**

=

**the  
metals company**



**Using a rock to  
change the world.**



**Our mission is to build  
a carefully managed metal commons  
that will be used, recovered, and  
reused again and again—for millennia.**



Nickel Sulfate

28

**Ni**

58.693

[Ar]3d<sup>8</sup>4s<sup>2</sup>



# Investment highlights.

## The world's largest estimated source of battery metals

Enough nickel, copper, manganese and cobalt in situ to electrify 280 million EVs<sup>1</sup>

## Four battery metals in high concentrations in a single resource

3.2% nickel equivalent<sup>2</sup> vs. 0.3-1.9% for the world's largest undeveloped nickel projects

## Low-cost production

Expecting to be the 2<sup>nd</sup> lowest cost nickel producer on the planet<sup>3</sup>

## 70-99% reduction of lifecycle ESG impacts

Including zero solid waste, 90% less CO<sub>2</sub> equivalent emissions<sup>4</sup>

## Attractive valuation with significant upside

Equity value of approximately \$2.4 billion following closing of the business combination vs. NPV of \$31.3 billion<sup>5</sup> for the NORI + TOML areas

## Best-in-class strategic investors / partners

**GLENCORE**

Offtakes  
Processing



**MAERSK**

Vessel operations

**AiSeas**

Offshore collection  
technology

**HATCH**

Onshore processing  
technology



“EV battery in a rock”

<sup>1</sup> Assuming 75kWh batteries with NMC811 chemistry and nodule resource grade and abundance, “Where Should Metals for the Green Transition Come From?”, Paulikas et al, LCA white paper, April 2020. Calculation based on estimated contained value of nickel.

<sup>2</sup> Nickel equivalence calculation uses NORI-D Model price deck as stated on page 53. Based on converting the economic value of other metals into nickel using the average commodity prices across life of mine for NORI-D. Life of mine model based on Canadian NI 43-101 Compliant Preliminary Economic Assessment (PEA) for NORI-D Area, AMC, February 2021.

<sup>3</sup> Canadian NI 43-101 Compliant Preliminary Economic Assessment (PEA) for NORI-D Area, AMC, February 2021; Metals Cost Curve, Wood Mackenzie, August 2020.

<sup>4</sup> “Where Should Metals for the Green Transition Come From?”, Paulikas et al, LCA white paper, April 2020. “Life cycle climate change impacts of producing battery metals from land ores versus deep-sea polymetallic nodules”, Paulikas et al, December 2020.

<sup>5</sup> Canadian NI 43-101 Resource Statement for full field financial model (internal DeepGreen development scenario).

# The business combination has closed: TMC to list on the Nasdaq on Sept 10, 2021.

**The business** - Founded in 2011, DeepGreen Metals, now known as The Metals Company, is the developer of the world's largest estimated deposit of battery metals<sup>1</sup>—seafloor polymetallic nodules—with the lowest expected lifecycle ESG footprint on the planet and people.<sup>2</sup>

**Transaction details** - TMC has received approximately \$137.5 million in cash prior to transaction fees, including approximately \$27.2 million from the SOAC trust account after accounting for redemptions.  
 - SOAC entered into subscription agreements for a \$330.3 million PIPE; however, only approximately \$110.3 million of proceeds from the private placement were received as of the date hereof.  
 - SOAC and TMC intend to continue to seek to enforce the funding obligations of the two non-performing investors under the subscription agreements.

**Valuation** - Equity value of approximately \$2.4 billion following closing of the business combination vs. NPV of \$31.3 billion<sup>3</sup> for the NORI + TOML areas  
 - Attractively valued entry multiple for a unique resource with significant upside, proven technology, timing of estimated first production / revenue aligned with expected significant shortages in key battery metals

**Capital structure** - Cash at closing expected to fund operations through Q3 2023  
 - This is a sufficient level of cash to reach the previously stated key milestone of permitting to advance commencement of commercial production

<sup>1</sup> Global Nickel Industry Cost Summary, Wood Mackenzie, August 2020.

<sup>2</sup> "Where Should Metals for the Green Transition Come From?", Paulikas et al, LCA white paper, April 2020.

<sup>3</sup> Canadian NI 43-101 and SEC Regulation S-K (Subpart 1300) Compliant NORI Area D Clarion Clipperton Zone Mineral Resource Estimate and associated financial model, AMC, March 2021. Canadian NI 43-101 Compliant TOML Clarion-Clipperton Zone Project Mineral Resource Estimate, AMC, March 2016. Canadian NI 43-101 Resource Statement for full field financial model (internal DeepGreen development scenario). Net present value as of January 1, 2021, assuming 9% discount rate.

# Key milestones ahead.

## 2011-today

### Funding

- ✓ ~\$200M raised prior to the SOAC transaction

### Resource

- ✓ Exploration rights to three nodule areas in the CCZ
- ✓ Canada & US standards compliant resource statements on NORI & TOML

### Offtakes

- ✓ 50% of Ni & Cu to Glencore from NORI area

### Vessel operations

- ✓ Partnership with Maersk
- ✓ 9 offshore campaigns

### Collecting nodules

- ✓ Strategic partnership with Allseas
- ✓ Pilot system designed, lab tested, long-lead items procured
- ✓ Production vessel acquired

### Processing nodules

- ✓ Zero-waste flowsheet with Hatch
- ✓ Lab-tests at KPM
- ✓ Pilot plant program in progress with FLS and XPS

### Environmental and social impacts

- ✓ 5 comparative lifecycle assessments
- ✓ The world's most comprehensive seafloor-to-surface ocean research in progress in partnership with the world's leading institutions

TMC expects current cash to fund operations through the application for an ISA Exploitation Contract for NORI in Q3 2023

## 2025—

- **Commercial production:** P1, 10Mtpa nodules
- Contract: ISA-TOML
- Permitting new areas and bringing them into production

## Q4 2023-2024

- Contract: ISA-NORI
- **Commercial production:** P0, 1Mtpa nodules
- PFS & FS, construction, P1
- EIS: TOML-F
- Application: ISA-TOML Exploitation Contract

## 2022-Q3 2023

- Pilot: collection, Atlantic
- Pilot: collection, CCZ
- Pilot: onshore refining
- EIS: NORI-D production
- Application: ISA-NORI Exploitation Contract
- Offtakes: EV battery precursors, P1
- Offtakes: Mn silicate, P1

## Q3&4 2021

- **Pilot: onshore processing**
- **EIS: collection pilot, CCZ**
- **MoU: pyromet toll processing, P0**
- **Contract: collection, P0**
- **Potential offtake: NiCuCo, P0**
- **Potential offtake: Mn silicate, P0**

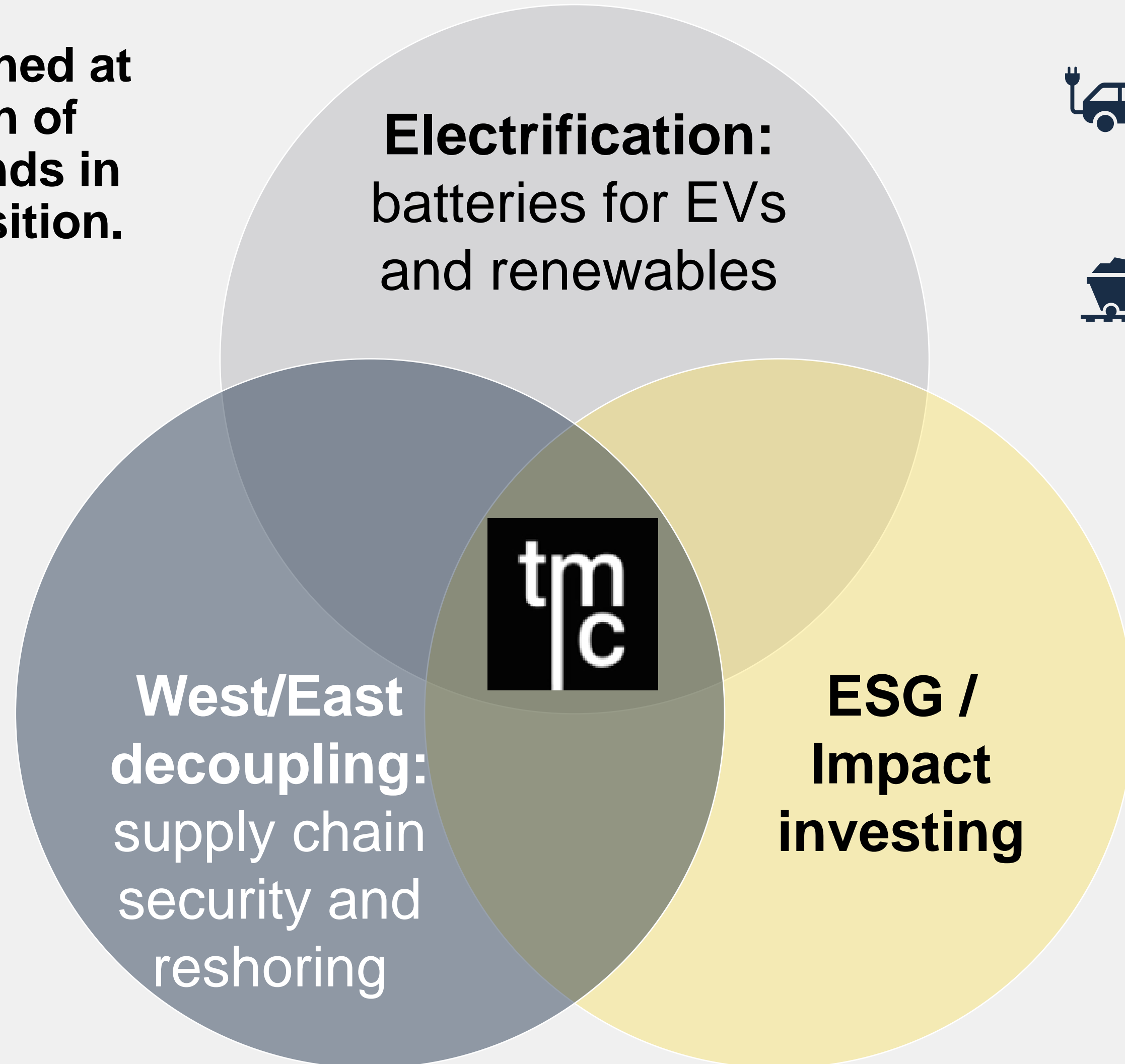
CCZ	The Clarion Clipperton Fracture Zone
ISA	International Seabed Authority
EIS	Environmental Impact Statement
PFS	Pre-feasibility Study
FS	Feasibility Study
P0	Project Zero
P1	Project One
Mtpa	Millions of tonnes per annum

Funded through current cash

New funding required



**TMC is positioned at the intersection of three megatrends in the green transition.**



**~\$5 trillion**

Total addressable market for EVs over the next decade<sup>1</sup>



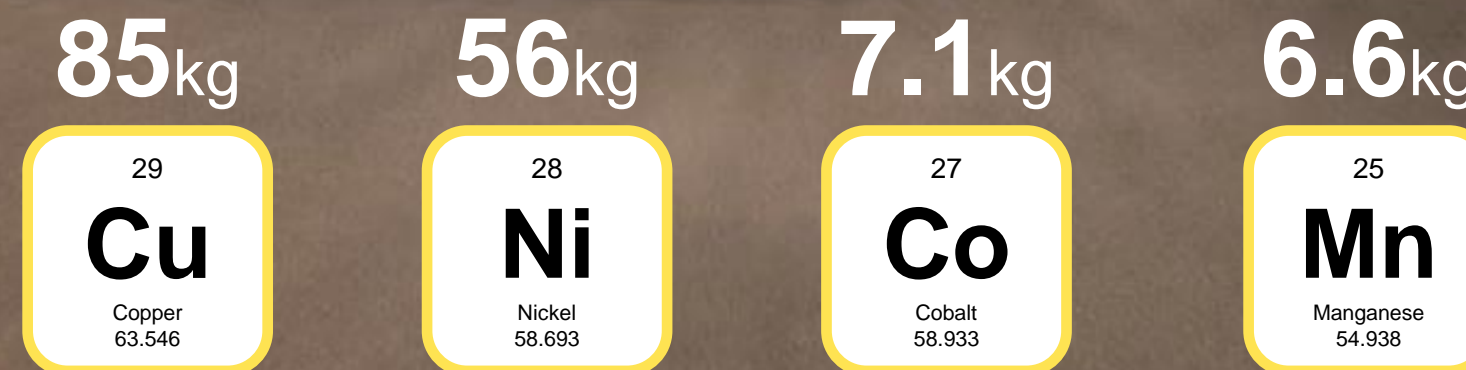
**\$1.7 trillion**

Cumulative mining investment required to limited rise in global temperatures to 2°C<sup>2</sup>

<sup>1</sup> Dan Ives, Wedbush Securities.

<sup>2</sup> Wood Mackenzie.

# EV revolution is metal intensive.



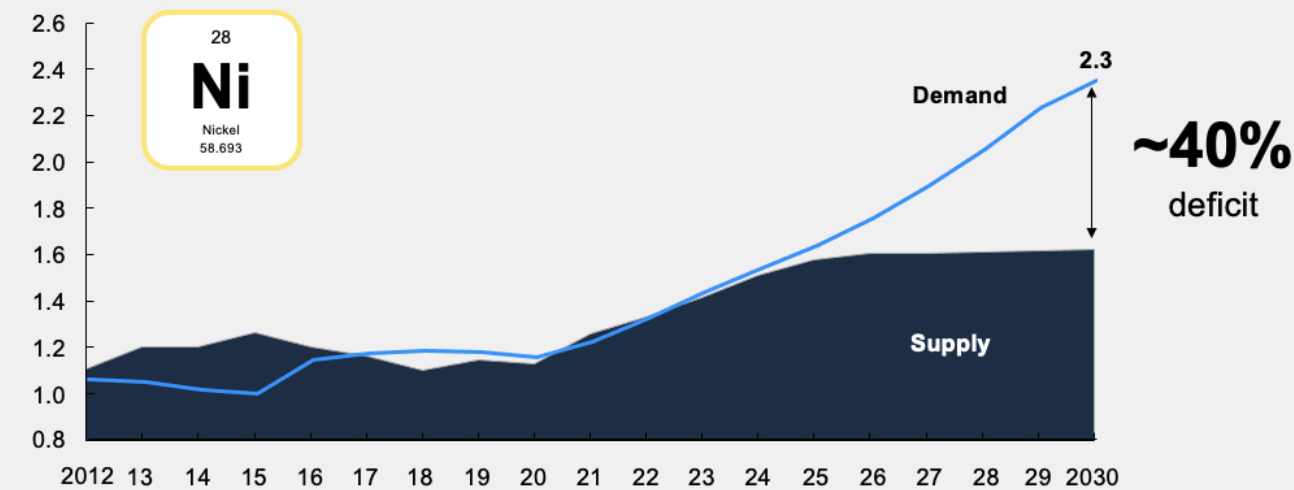
Metal requirements for a 75kWh battery with NMC cathode chemistry and average copper contents for electric harness and connectors. Different battery size and cathode chemistries would have different metal requirements.



# Four upstream challenges EV manufacturers should be worried about.

## Availability: Shortages expected

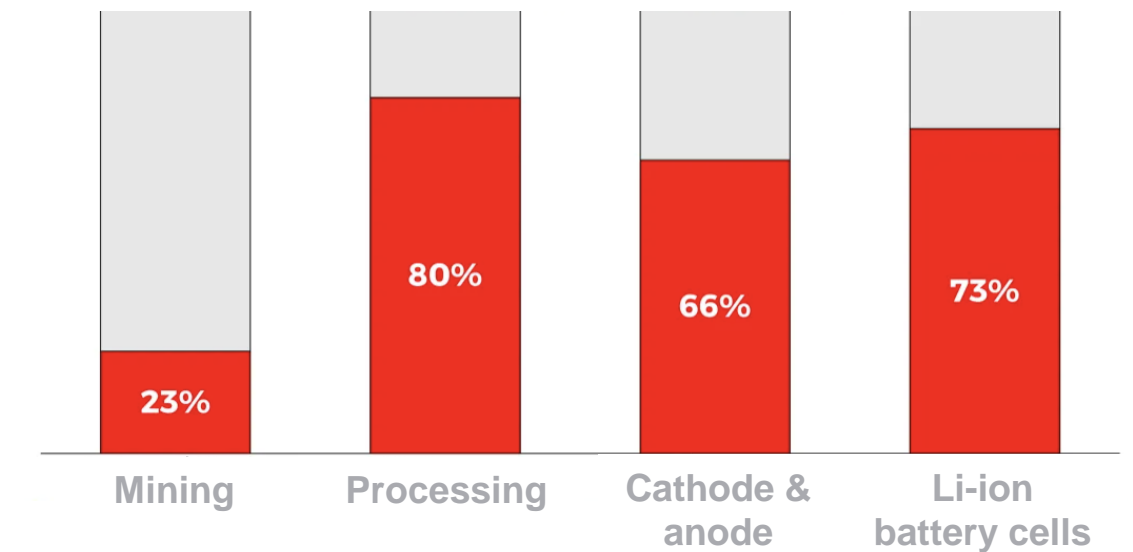
Nickel class 1 deficit without greenfield developments  
Global refined nickel supply and demand, in Mt<sup>1</sup>



## Security: China dominates supply<sup>2</sup>

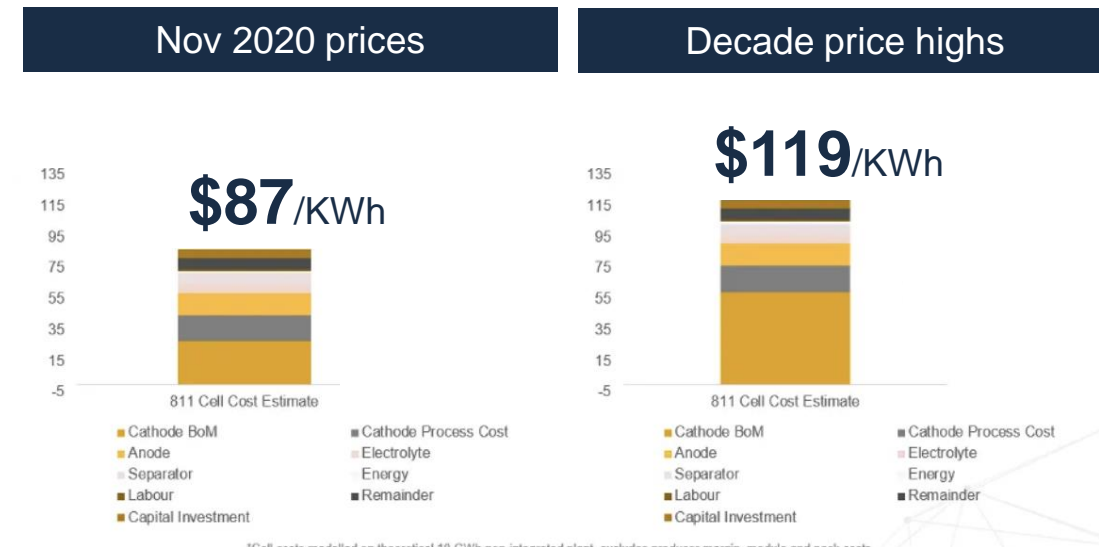
China's share of production, 2019

Lithium, cobalt, nickel, manganese, cathode, anode & cells



## Price: EV/ICE price parity?<sup>3</sup>

What happens to next generation NMC 811 Li-ion battery costs if critical mineral shortages see price increases?



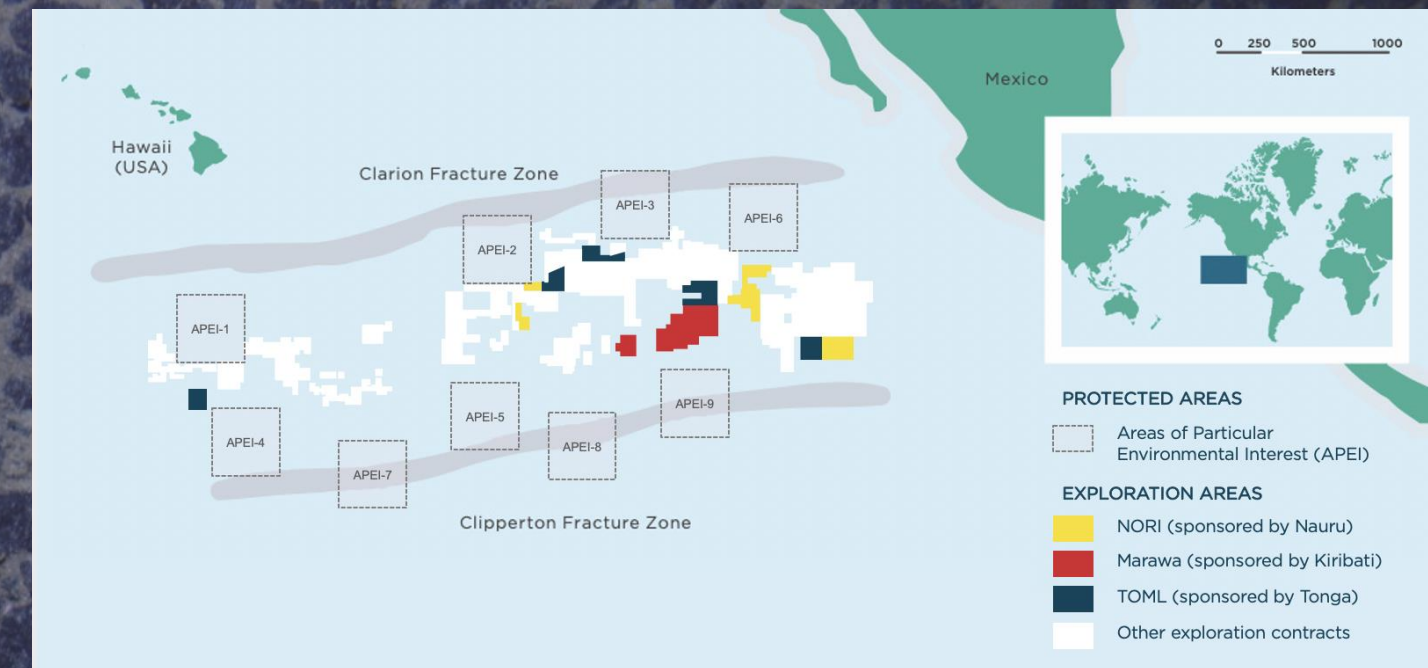
## ESG: The dirty secret



1 "How clean can the nickel industry become?", McKinsey, September 2020.  
 2 Graphite based on natural flake, spherical and anode material. Can also be synthetically manufactured; Benchmark Mineral Intelligence  
 3 Benchmark Minerals Intelligence, Dec 1, 2020



# Solving availability: *in situ* resource sufficient to electrify the entire U.S. car fleet.



	<b>NORI<sup>1</sup></b>	<b>TOML<sup>2</sup></b>	<b>Marawa</b>
Exploration contract area			
Sponsoring state	Republic of Nauru	Kingdom of Tonga	Republic of Kiribati
Exploration area	74,830 km <sup>2</sup>	74,713 km <sup>2</sup>	74,990 km <sup>2</sup>
Technical resource statement	Yes	Yes	Resource definition work in progress
Polymetallic nodules Inferred resource	<b>866<sup>4</sup></b> million tonnes (wet)	<b>756</b> million tonnes (wet)	--
Metal grade	<b>Mn</b> 25	29.5%	29.2%
	<b>Ni</b> 28	1.3%	1.3%
	<b>Cu</b> 29	1.1%	1.1%
	<b>Co</b> 27	0.2%	0.2%
Electric vehicles <i>in situ</i> resource sufficient for <sup>3</sup>	<b>150</b> million EVs	<b>130</b> million EVs	--

<sup>1</sup> Canadian NI 43-101 and SEC Regulation S-K (Subpart 1300) Compliant NORI Area D Clarion Clipperton Zone Mineral Resource Estimate and associated financial model, AMC, March 2021.

<sup>2</sup> Canadian NI 43-101 Compliant TOML Clarion Clipperton Zone Project Mineral Resource Estimate, AMC, July 2016.

<sup>3</sup> Assuming 75kWh batteries with NMC811 chemistry and nodule resource grade and abundance; "Where Should Metals for the Green Transition Come From?", Paulikas et al, LCA white paper, April 2020. Calculation based on estimated contained value of nickel.

<sup>4</sup> Canadian NI 43-101 and SEC Regulation S-K (Subpart 1300) Compliant NORI Area D Clarion Clipperton Zone Mineral Resource Estimate, AMC, March 2021 – 11 Mt inferred @ 1.4% Ni, 1.1% Cu, 0.1% Co and 31.0 % Mn and 15.6 Kg/m<sup>2</sup> abundance, 341Mt Indicated @ 1.4% Ni, 1.1 %Cu, 0.1% Co and 31.2% Mn and abundance 17.1Kg/m<sup>2</sup>, 4 Mt Measured @1.4% Ni, 1.1% Cu, 0.1% Co and 32.2% Mn and 18.6 Kg/m<sup>2</sup>.



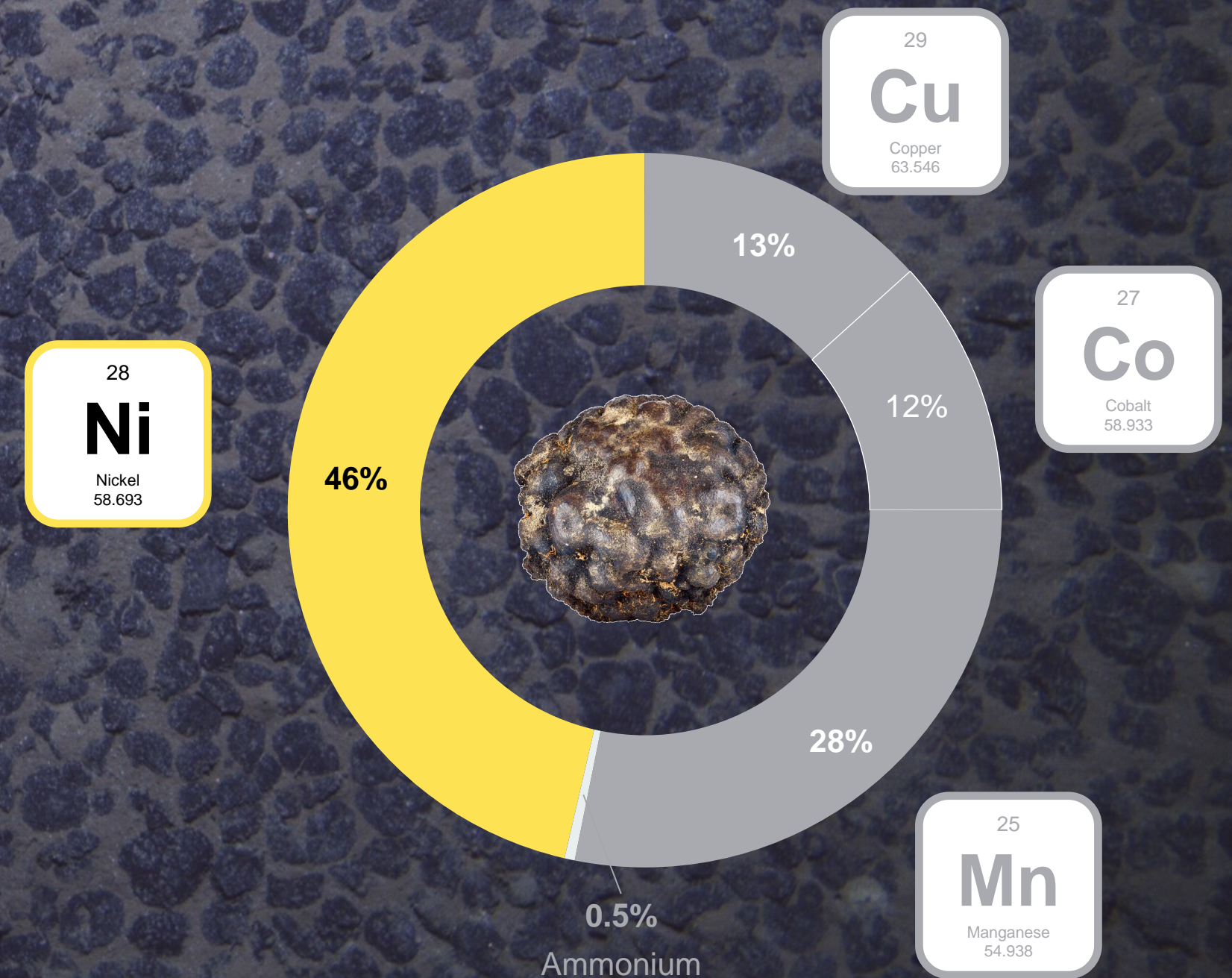
## Solving availability: nickel for nickel-rich battery chemistries.

**920,000 tonnes**  
Expected nickel supply deficit, 2030<sup>1</sup>

**120,000 tonnes**  
Expected production, NORI-D<sup>2</sup>

**~500,000 tonnes**  
Production potential, NORI+TOML<sup>3</sup>

### NORI-D project revenue by product<sup>2</sup>



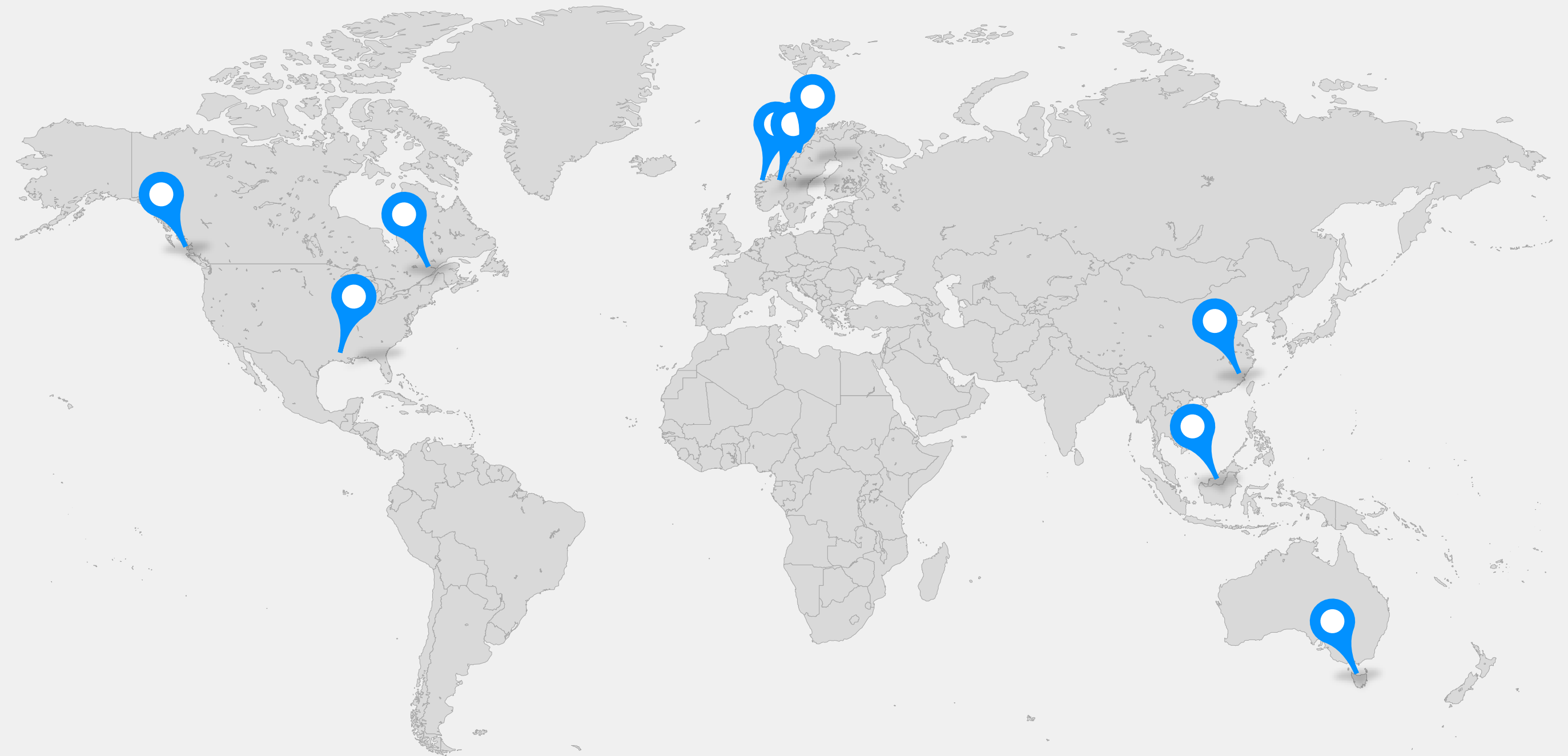
<sup>1</sup> "How clean can the nickel industry become?", McKinsey, September 2020.

<sup>2</sup> Canadian NI 43-101 and SEC Regulation S-K (Subpart 1300) Compliant NORI Area D Clarion Clipperton Zone Mineral Resource Estimate and associated financial model, AMC, March 2021.

<sup>3</sup> Canadian NI 43-101 Resource Statement for full field financial model (internal DeepGreen development scenario).



**Solving security:  
we can localize our  
onshore plants on  
any continent.<sup>1</sup>**



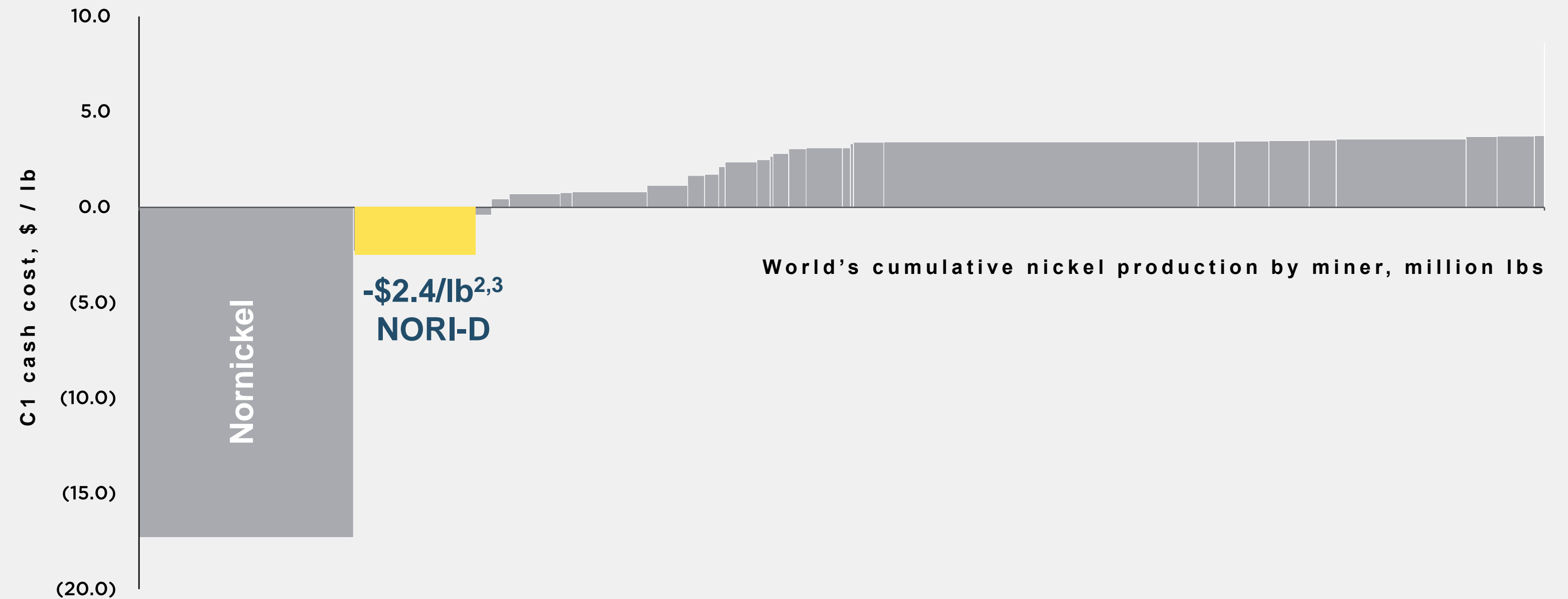
<sup>1</sup>GSL Location Study prepared for the company. Locations selected based on access to deep-water port, access to renewable power and proximity to manganese and battery customers.



# Solving price: we expect to become the second lowest-cost nickel producer in the world.

## Nickel C1 cost curve on a by-products' basis<sup>1</sup>

C1 Cash Cost represents all direct costs, incl. mining, processing, freight, SGA minus revenue from by-products



<sup>1</sup> Nickel C1 Cost Curve, Wood Mackenzie, August 2020.

<sup>2</sup> Average for the steady state years 2030-45.

<sup>3</sup> Canadian NI 43-101 Compliant Preliminary Economic Assessment (PEA) for NORI-D Area, AMC, February 2021.

# Solving ESG footprint: we expect to be able to compress most of it.

Land ores vs. nodules

## Resource use

**-75%**  
Ore

**-94%**  
Land

**-89%**  
Water

**+new use**  
Seafloor

## Climate change

**-70%**  
CO<sub>2</sub>e  
emissions

**-94%**  
Stored carbon  
at risk

**-100%**  
Solid  
processing  
waste

**-98%**  
Terrestrial  
ecotoxicity

**-99%**  
Freshwater  
ecotoxicity

**-99%**  
Eutrophication  
potential

## Habitat damage

## Humans

**-99%**  
Human  
toxicity

**-97%**  
Human lives  
at risk

**-100%**  
Child labor  
risk

## Wildlife

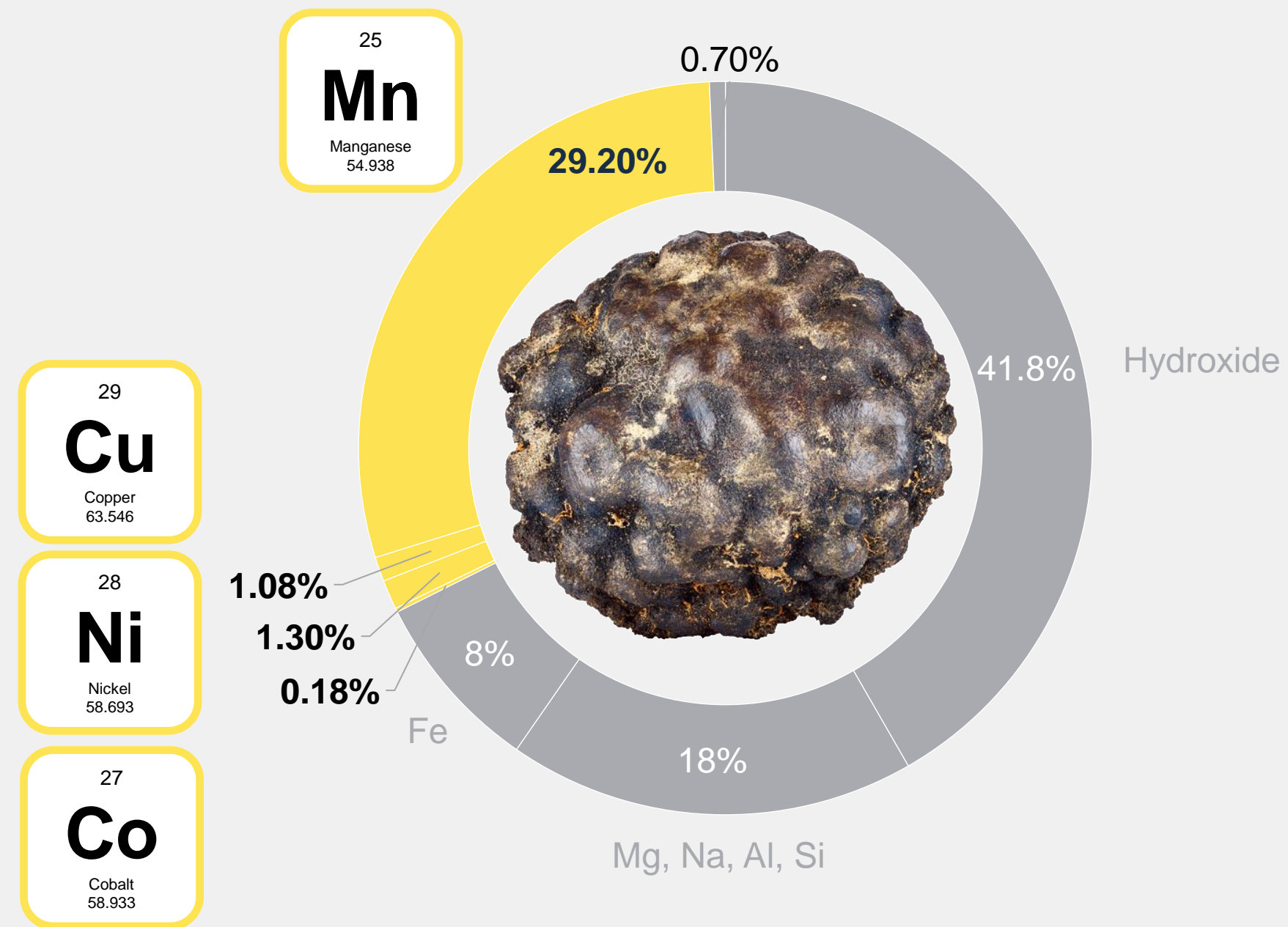
**-93%**  
Biomass  
at risk

**-93%**  
Megafauna  
wildlife at risk

**remains**  
Biodiversity  
loss risk

## World-class resource: with several advantages.

### Nodule composition breakdown



Unbound to the seafloor – **no need for drilling & blasting**

Four metals in a single ore – **much less ore mass to process**

Very low hazardous elements like As, Sb, Hg – **no toxic processing tailings**

Low head-grade variability – **easier to process**

2-10 cm diameter – **easy to handle**

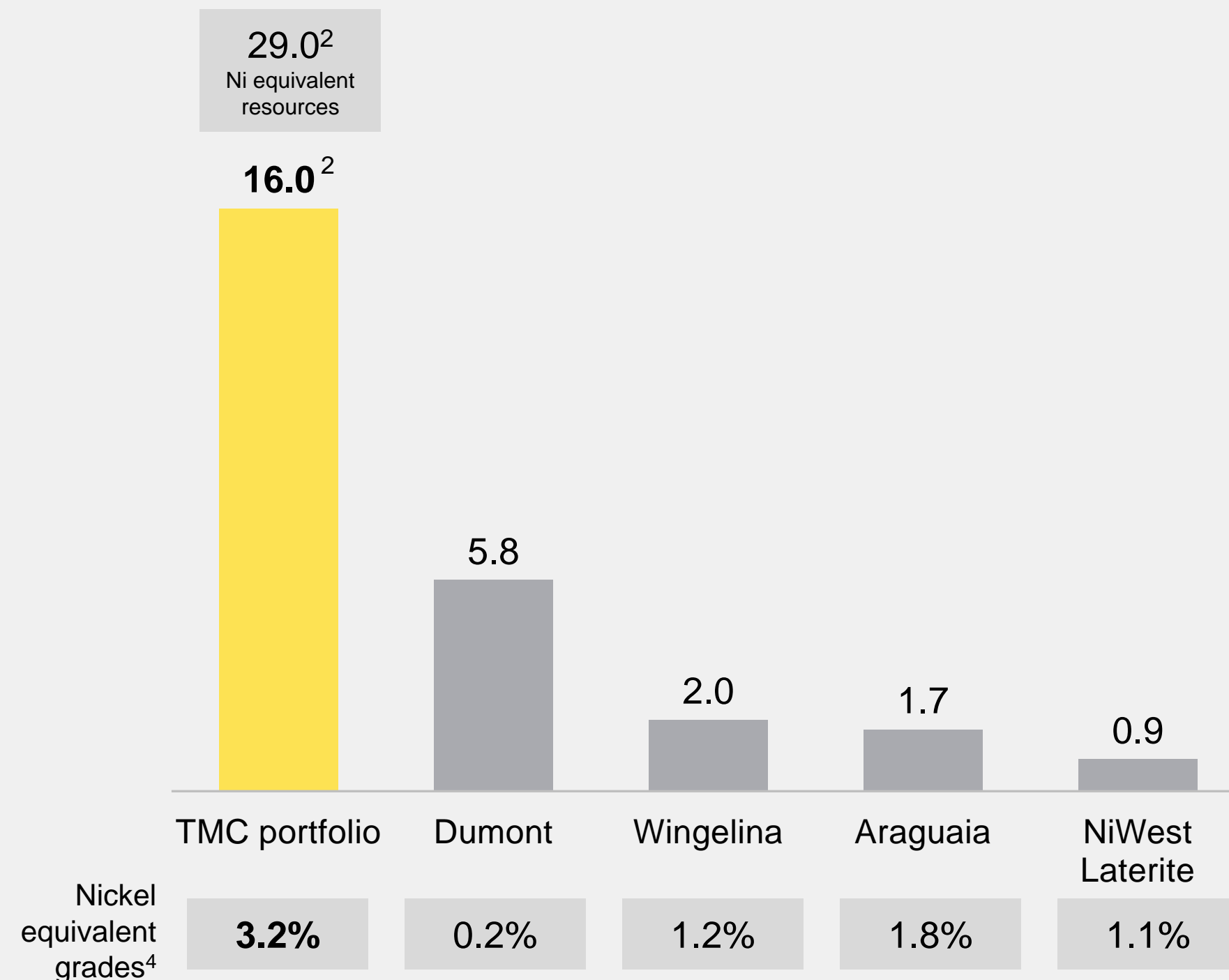
Microporous – **easier to smelt**



## World-class resource: #1 largest undeveloped nickel project, with very high grades.

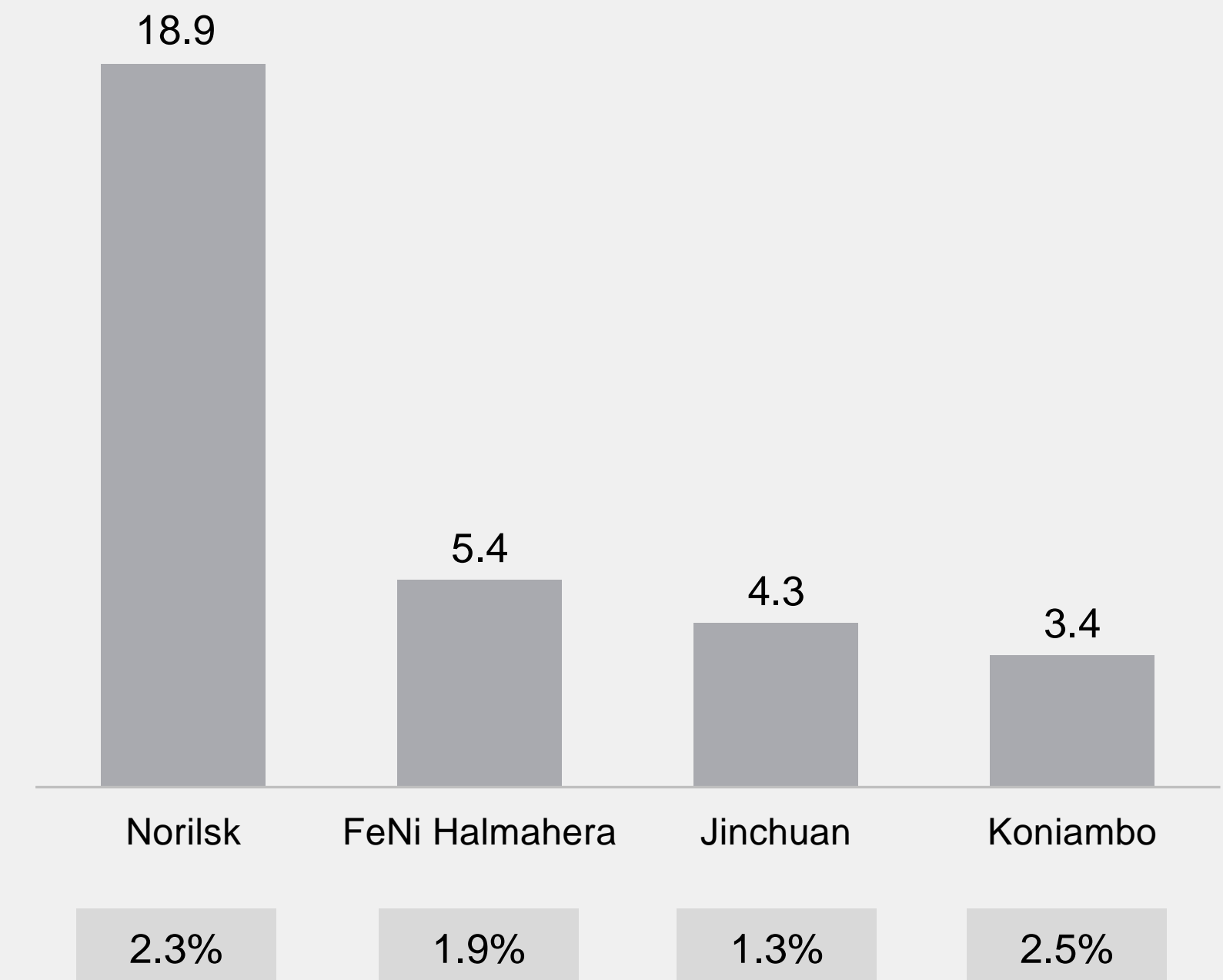
### World's largest undeveloped nickel projects

Total resources (inferred, indicated & measured), in Mt<sup>1,3</sup>



### World's largest nickel producers

Total resources (inferred, indicated & measured), in Mt<sup>1,3</sup>



<sup>1</sup> Global Nickel Industry Cost Summary, Wood Mackenzie, August 2020; inclusive of reserves.

<sup>2</sup> Canadian NI 43-101 Resource Statement for full field financial model (internal DeepGreen development scenario). Metals and mining recoveries have not been considered.

<sup>3</sup> Asset Reports for Dumont, Wingelina, Araguaia, NiWest Laterite, Norilsk, FeNi Halmahera, Jinchuan and Koniambo, Wood Mackenzie.

<sup>4</sup> Nickel equivalence calculation uses NORI-D Model price deck as stated on page 63 of March 4 - PIPE investor deck. For gold (\$1,823/oz), platinum (\$1,224/oz) and silver (\$27/oz), spot prices as of May 12, 2021 are used.



# World-class partners: why we can move faster than anyone else.



**DEFINITION**

 **MAERSK**

Invested \$25M in 2017. Provides project management services including vessel operations and supplier management on all resource definition and environmental offshore campaigns.

**TECHNOLOGY DEVELOPMENT**

 Invested \$70M in 2019-2020. Developing a pilot and first commercial nodule collection system (partially covered by DeepGreen equity).

**ENVIRONMENTAL IMPACTS**



Several world's leading deep-sea research institutions contributing to Environmental & Social Impact Assessment program consisting of over 100 discrete studies. These organizations are independent and expect to openly publish their research in peer-reviewed journals.

**FLWSHEET**

**HATCH**

Developed a zero solid waste flowsheet, overseeing Pilot Plant program being completed at FLSmidth's and Glencore's facilities.

**GLENCORE**

Invested in 2012. Holds offtake on NORI Area:

28  
**Ni**  
Nickel  
58.693

50% of production

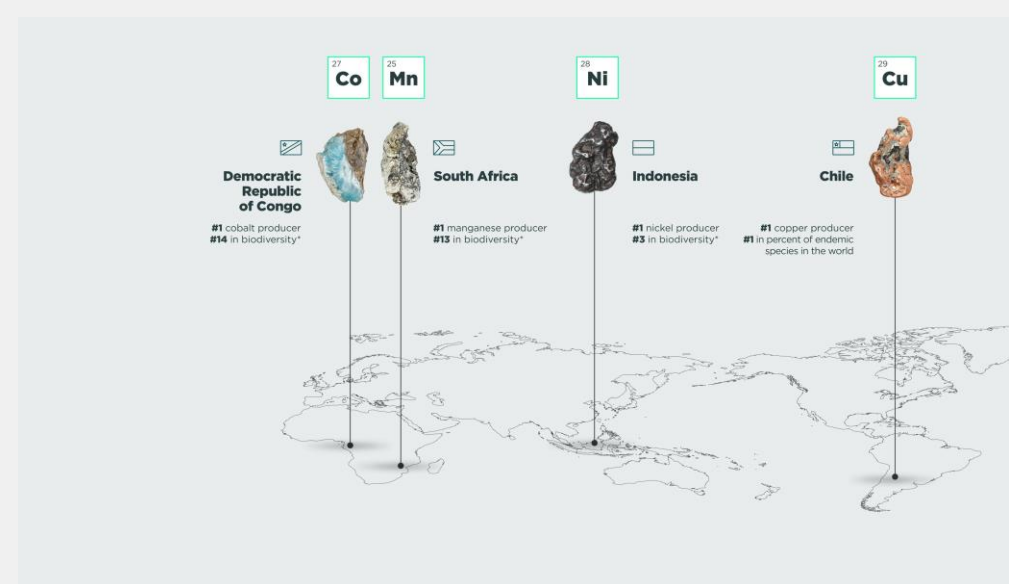
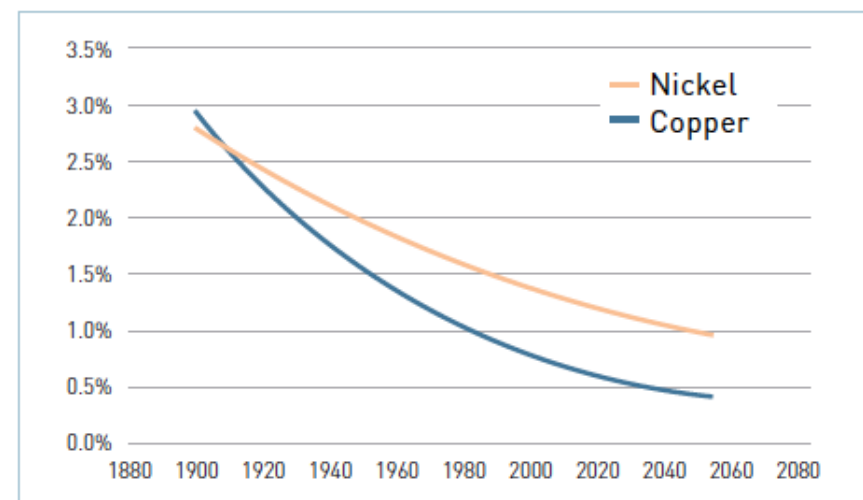
29  
**Cu**  
Copper  
63.546

50% of production

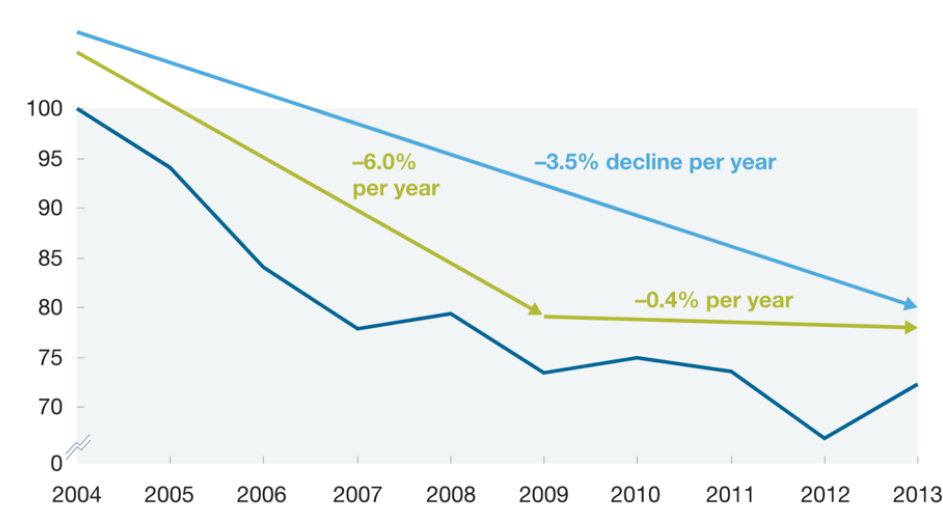


## The ESG case for nodules: Structural challenges of land-based producers.

Nickel & copper grades, fitted<sup>1</sup>



MineLens productivity index, 2004=100<sup>2</sup>



## Falling grades

More ore to get at the same amount of metal

More land / energy / water use

Falling grades  $\times$  sharply rising demand =  
exponential increase in tailings

## Problematic locations

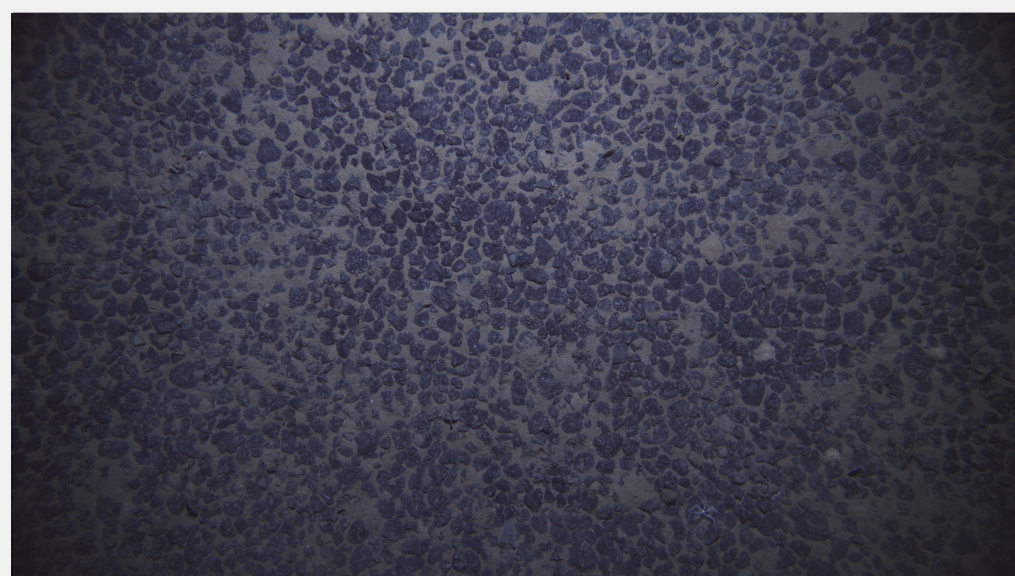
Remaining projects increasingly in higher-risk and some of the most biodiverse places on the planet with large carbon sinks and sequestration services

## Hard choices

Need to invest in decarbonizing production, reducing energy / water use and management of rapidly increasing tailings volumes while tackling CAPEX / OPEX pressure stemming from falling grades



## The ESG case for nodules: Metal production from nodules can be much better.



### Resource

High-grades of four metals in a single ore – **much less ore mass to process**

Very low contents of hazardous elements – **can turn 100% of mass into products**

Unobstructed access to nodules—**no overburden to remove**

Loose sitting – **no need for drilling & blasting**

### Location

Far offshore — **no deforestation, no social displacement, no fixed infrastructure**

Very deep – **no release of carbon sequestered in seafloor sediments**

Marine desert— **no plants, orders of magnitude less biomass to impact**

Most common habitat on the planet—**easier to set aside areas for conservation**

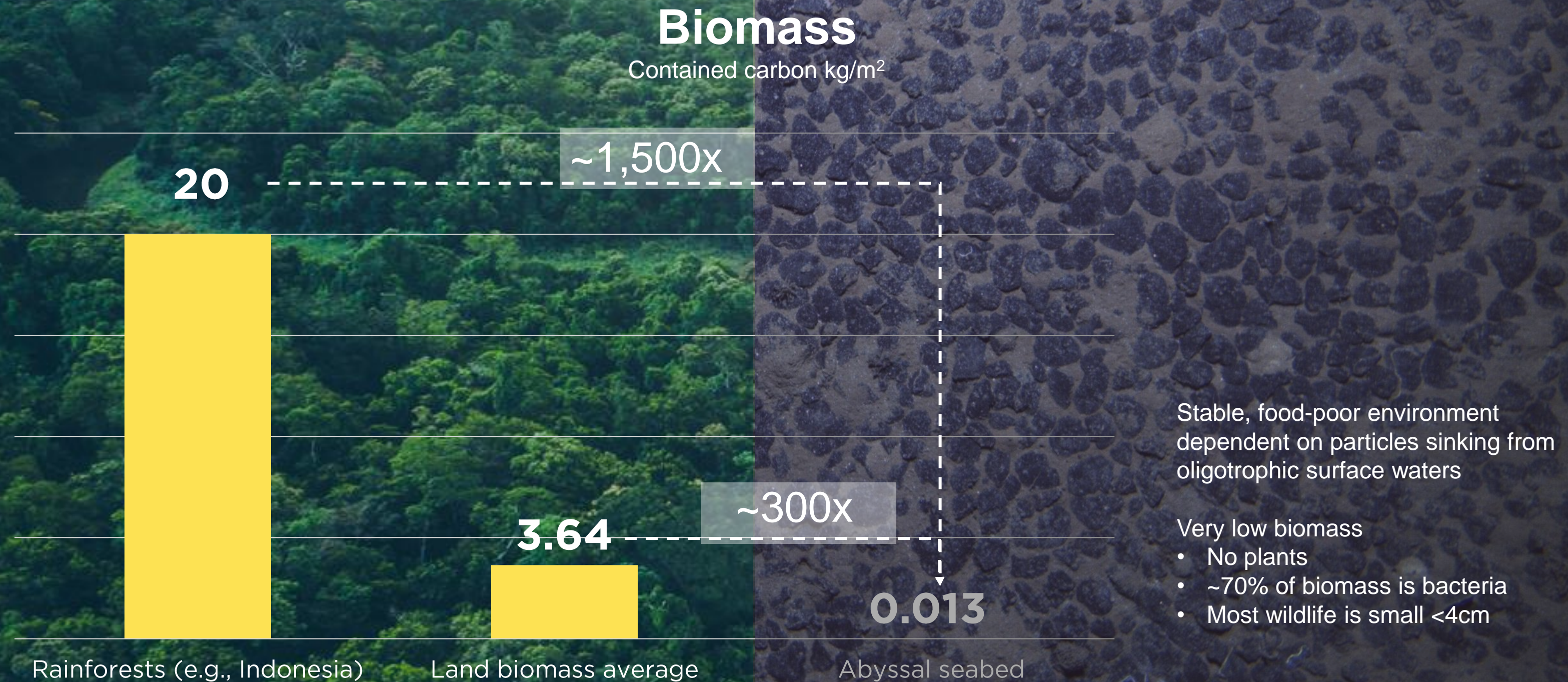
### Our choices

Invest in zero-waste flowsheet design

Power Project One processing plant with renewables



## The Abyssal Plain advantage: one of the lowest biomass & carbon sequestration environments on the planet.



**Note:** The seafloor-biomass value incorporates an estimate of seamounts and hydrothermal vents attributed to Wei, et al., 2010. It is also an overestimate because it includes all fish in the water column, rather than focusing only on the seafloor and mid-water column. The overall biomass of earth's ice-free terrestrial area was 472.7 gigatonnes of carbon, compared to 2.49 gigatonnes of carbon for the global abyssal seabed.

**Source:** Bar-On, Phillips, & Milo, 2018; Wei, et al., 2010.



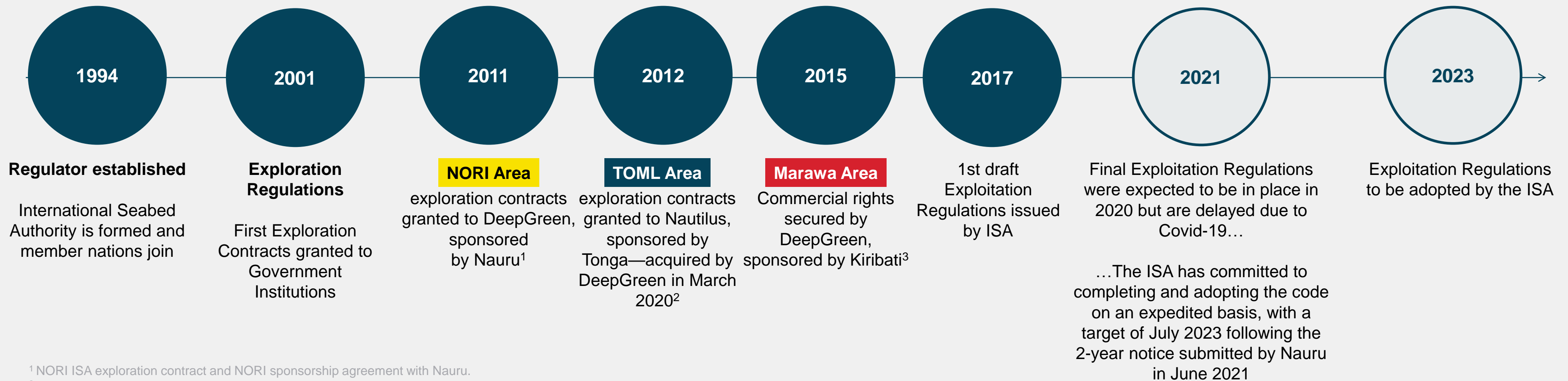
## Regulatory framework: Transparent regulatory regime supported by international law.

### Seabed resources in the high seas are governed by the International Seabed Authority (ISA)

- Autonomous international organization
- Modern regulatory regime
- Transparency & civil society engagement
- Less sovereign risk
- Royalty transparency
- Common heritage of mankind
- Focus on developing states & the environment



We have the required contracts to explore our resources and we are on track to secure our first production contract.



<sup>1</sup> NORI ISA exploration contract and NORI sponsorship agreement with Nauru.

<sup>2</sup> TOML ISA exploration contract and TOML sponsorship agreement with Tonga.

<sup>3</sup> Marawa ISA exploration contract and Marawa sponsorship agreement with Kiribati.



## Resource definition: easy and effective to define.

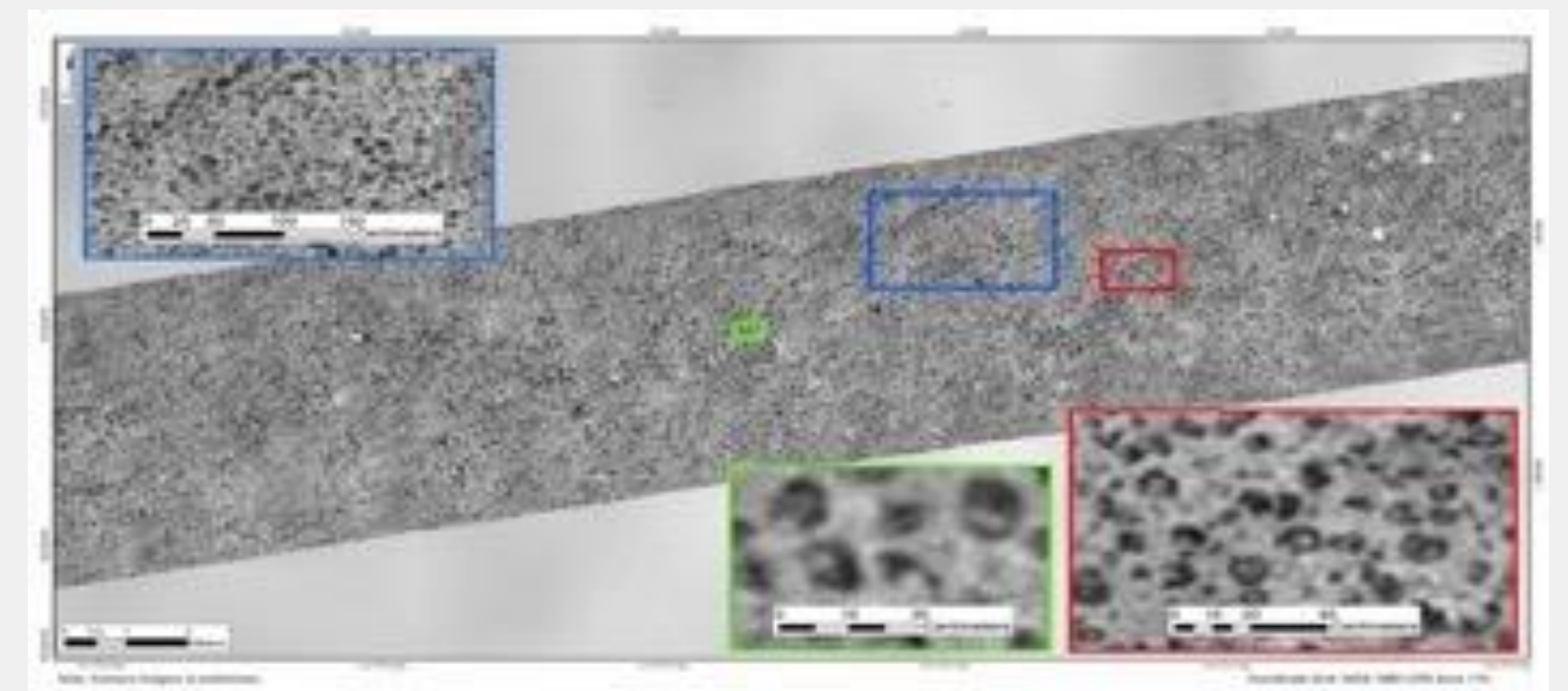
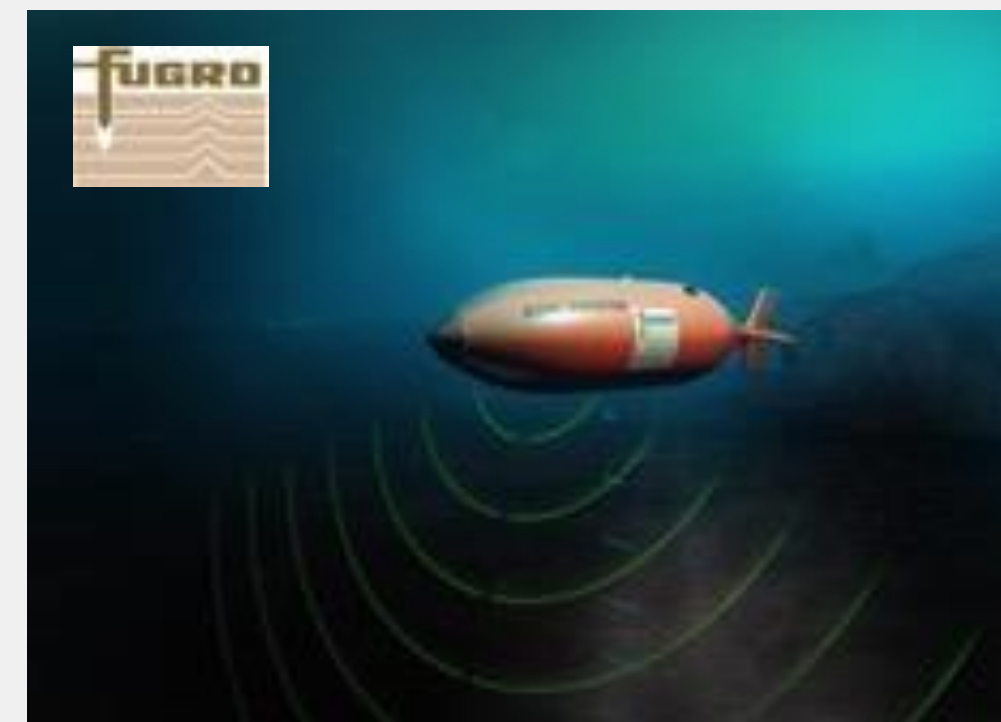
**250**  
box cores collected<sup>2</sup>  
**82,000**  
kg (wet) nodules collected<sup>2</sup>  
**13,950**  
biological samples collected<sup>2</sup>

### BOX CORE SAMPLING<sup>1</sup>



### AUV CAMERA IMAGERY<sup>1</sup>

**178,591**  
km<sup>2</sup> of high-res bathymetric survey<sup>2</sup>  
**5,439**  
km<sup>2</sup> detailed seafloor imagery<sup>2</sup>

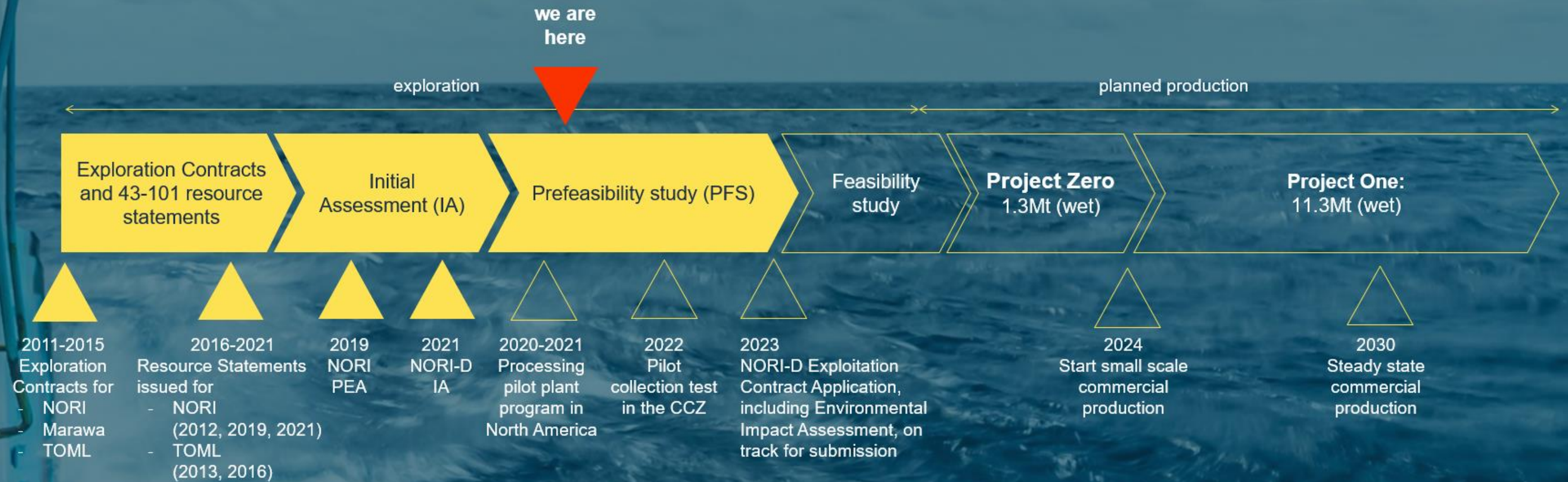


<sup>1</sup> Images from DeepGreen's resource survey offshore campaigns in NORI contract area.

<sup>2</sup> Boxcores, nodules collected, high-res bathymetry, detailed bathymetry – compiled by DeepGreen from - Canadian NI 43-101 and SEC Regulation S-K (Subpart 1300) Compliant NORI Area D Clarion Clipperton Zone Mineral Resource Estimate and associated financial model, AMC, March 2021. Canadian NI 43-101 Compliant TOML Clarion Clipperton-Zone Project Mineral Resource Estimate, AMC, July 2016 and DeepOcean NORI – D Bulk Sampling Report, 2020. Erias Cruise 6a Biological and Physiochemical Co-Sampling Report NORI area D post cruise, 2019; Erias Cruise 6b Biological and Physiochemical Co-Sampling Report NORI area D post cruise report, 2019.



# Project development: NORI-D on track to permitting in 2023.



Note: Timeline represents estimates and may be subject to change.



# ESIA program: working with some of the best research institutions on the planet.



## 100+ studies

### Seabed-to-surface ocean research program

#### Surface biology

Surface fauna logbook (PelagOS)  
Remote Sensing, Hydrophone Acoustics

#### Pelagic biology

Microbial Community Characterization  
Phytoplankton Community Characterization  
Zooplankton Community Characterization  
Gelatinous Zooplankton Characterization  
Micronekton Characterization  
Trophic Analysis (Stable Isotopes)  
Temporal Variability of Pelagic Communities  
Trace Element Profiles In Water Column  
Particulate Profiles in Water Column  
Discharge Plume Characterization (Physical)  
Discharge Plume Characterization (Biological)  
Midwater Discharge (food webs particle composition)

#### Benthic biology

Mega fauna Characterization (Photo transects)  
Mega fauna Characterization (Time Lapse)  
Macro Fauna Characterization  
Micro Fauna Characterization  
Meso Fauna Characterization  
Macro Fauna Characterization

#### Sediment analysis

Baited camera and traps  
Benthic respiration and nutrient cycling  
Seafloor metabolic activities  
Bioturbation, sediment characteristics  
Porewater sampling  
Exposure toxicology studies  
Metals determination by ICP analysis  
Induction of gene transcripts (metals)

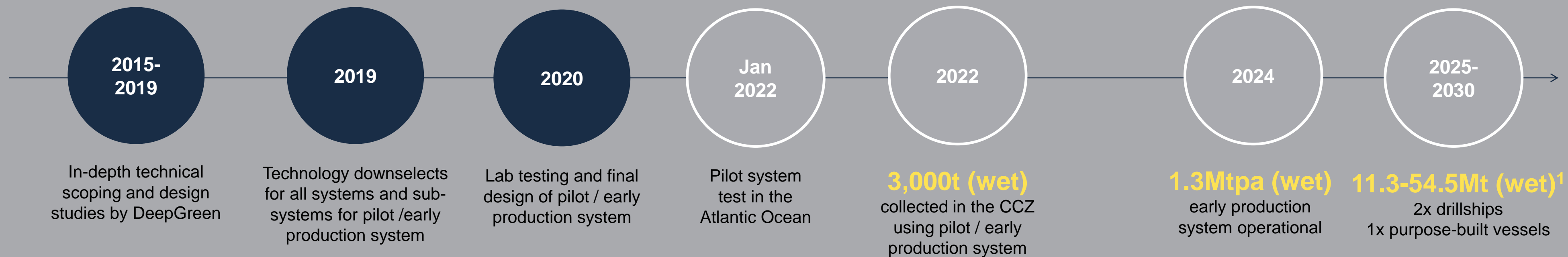
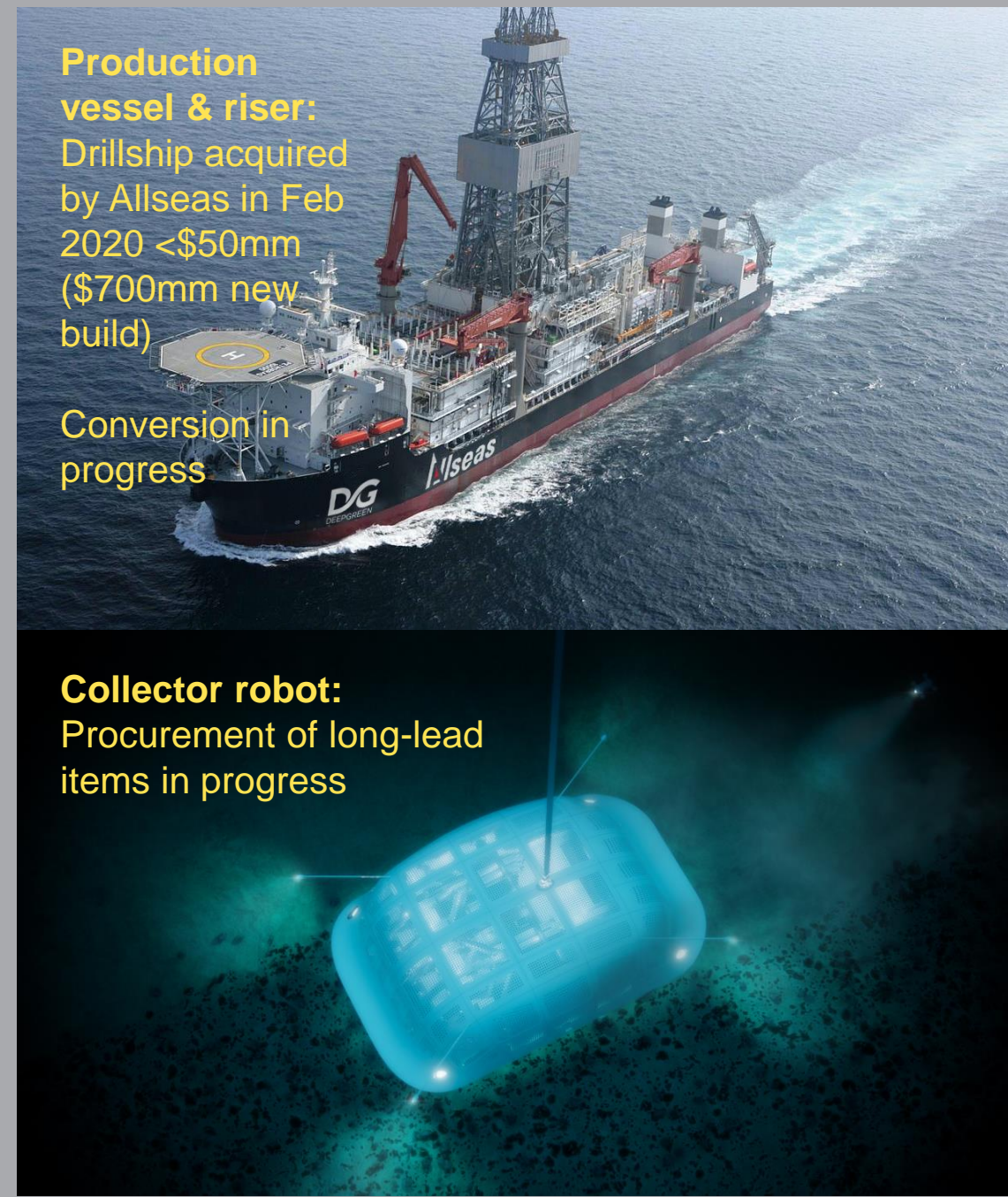


#### Collector impact studies

Met ocean studies  
Bathymetry (seabed mapping)  
Habitat mapping  
Database development  
Digital twin development  
Collector test nearfield studies  
Collector test far-field modeling  
Plume modeling  
Existing Resource Utilization Study  
Noise & Light Study  
Meteorology & Air Quality Study  
Hazard & Risk Assessment  
Emergency Response Planning  
Cultural & Historical Resources  
Waste Management  
Cumulative Impacts



# Offshore development: Progressing on track.

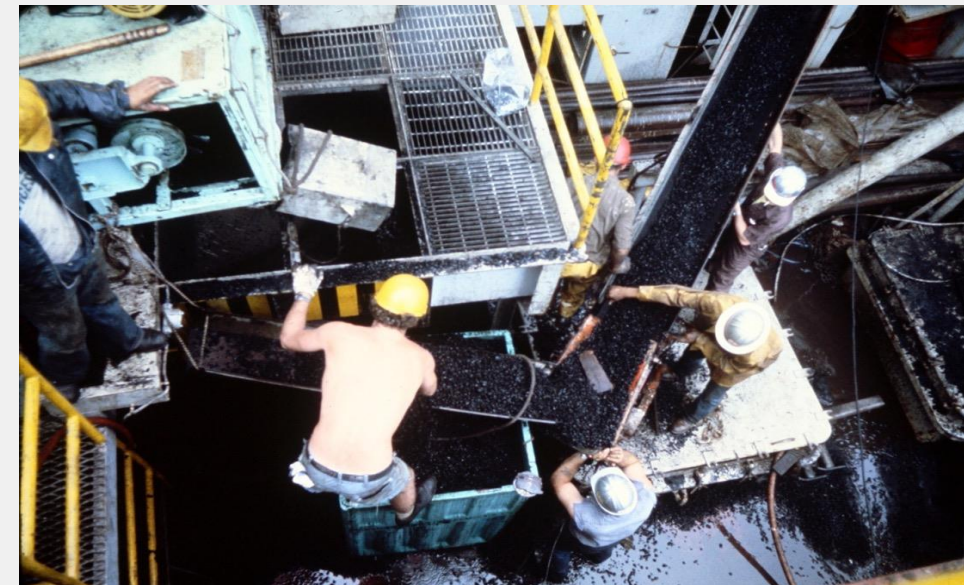


<sup>1</sup> 11.3Mtpa (wet) for NORI-D and 54.5Mtpa (wet) in full field development scenario for NORI+TOML.



# Proven technology.

## 1970's pilot testing in CCZ



**Kennecott Copper Corp**  
British Petroleum, Rio Tinto-Zinc Corp  
Consolidated Gold Fields  
Noranda Mines, Mitsubishi Corp

**Deepsea Ventures Inc.**  
US Steel, Sun Oil, Union Miniere

**Ocean Management Inc.**  
International Nickel Company  
Metallgesellschaft AG  
Sumitomo, Sedco

**Lockheed**  
Amoco Minerals, Shell Petroleum

## Present Day



**Offshore Diamond Mining**  
De Beers, NAMCO, Samicor



**Onshore development:**  
**Zero solid waste**  
**flowsheet.**



We will start with nodules that have remarkably low levels of harmful elements

We intend to select plant sites based on proximity to markets for by-products



Dual pyro / hydro process would allow for residues to be recycled to smelter



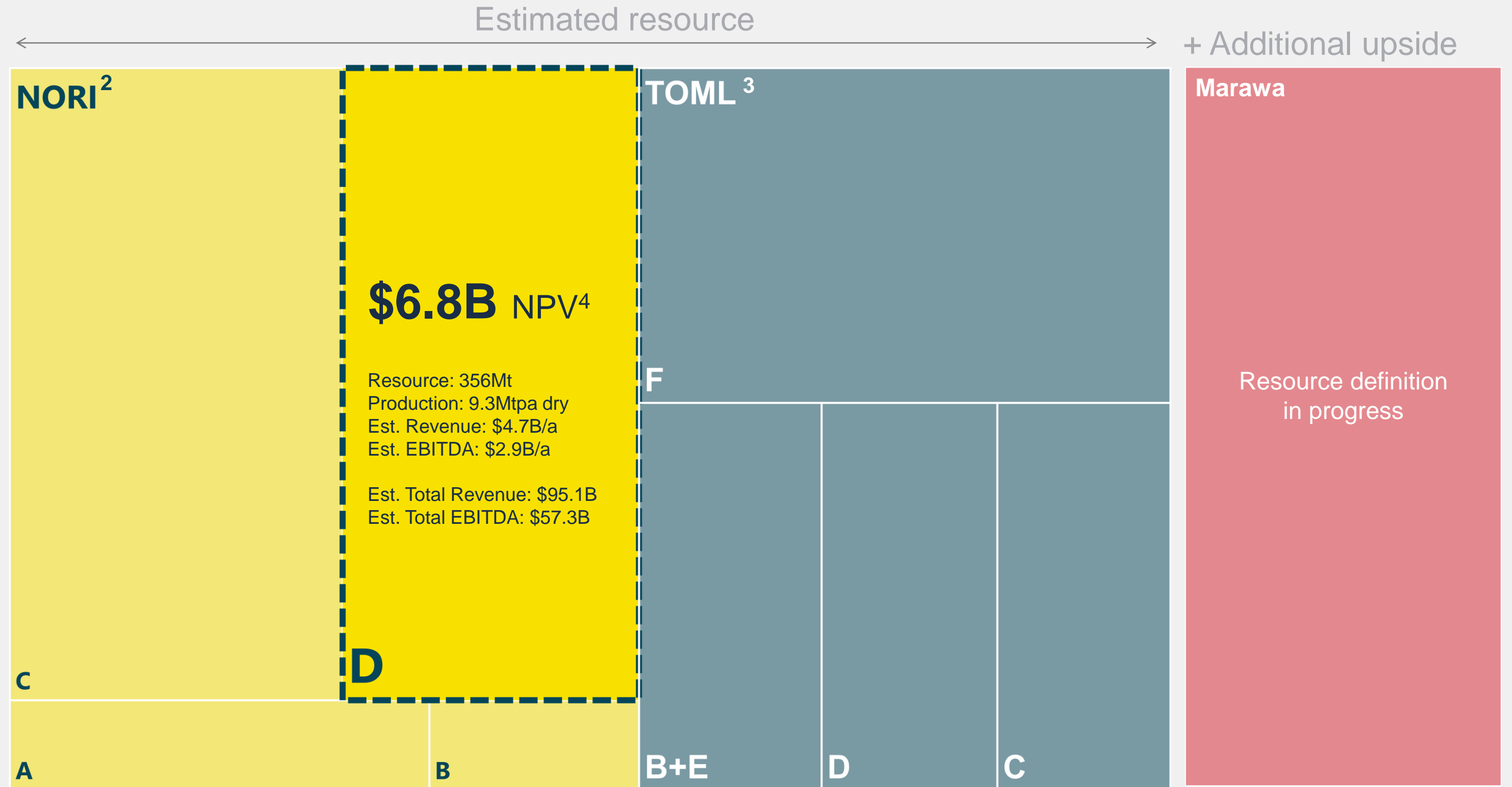
We select reagents that produce products instead of waste



# Project economics: massive estimated resource leads to massive economic upside.

Full portfolio<sup>1</sup>  
Estimated resource  
**\$31.3B** NPV<sup>4</sup>

Resource: 1.6Bt  
Production: 56Mtpa dry



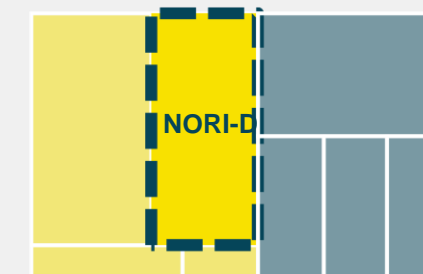
<sup>1</sup> Canadian NI 43-101 Resource Statement for full field financial model (internal DeepGreen development scenario).

<sup>2</sup> Canadian NI 43-101 and SEC Regulation S-K (Subpart 1300) Compliant NORI Area D Clarion Clipperton Zone Mineral Resource Estimate and associated financial model, AMC, March 2021.

<sup>3</sup> Canadian NI 43-101 Compliant TOML Clarion Clipperton Zone Project Mineral Resource Estimate, AMC, July 2016.

<sup>4</sup> January 1, 2021, assuming 9% discount rate.

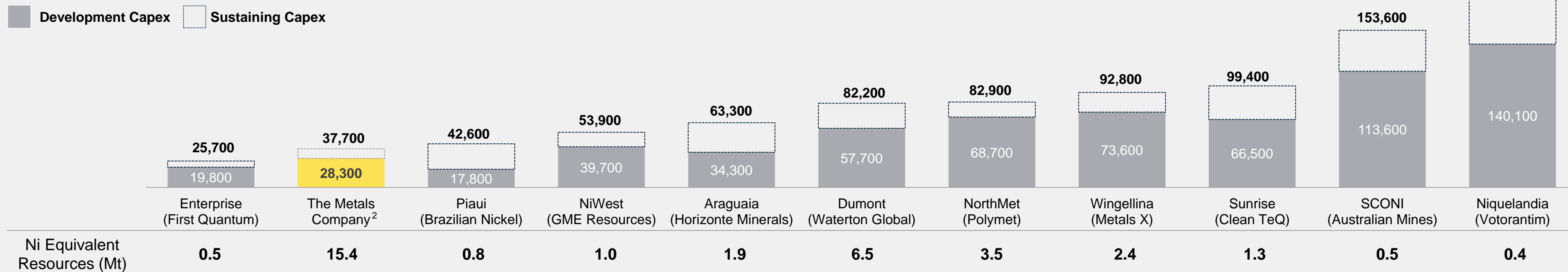




# Project finance: low CAPEX intensity and low OPEX compared to peers.

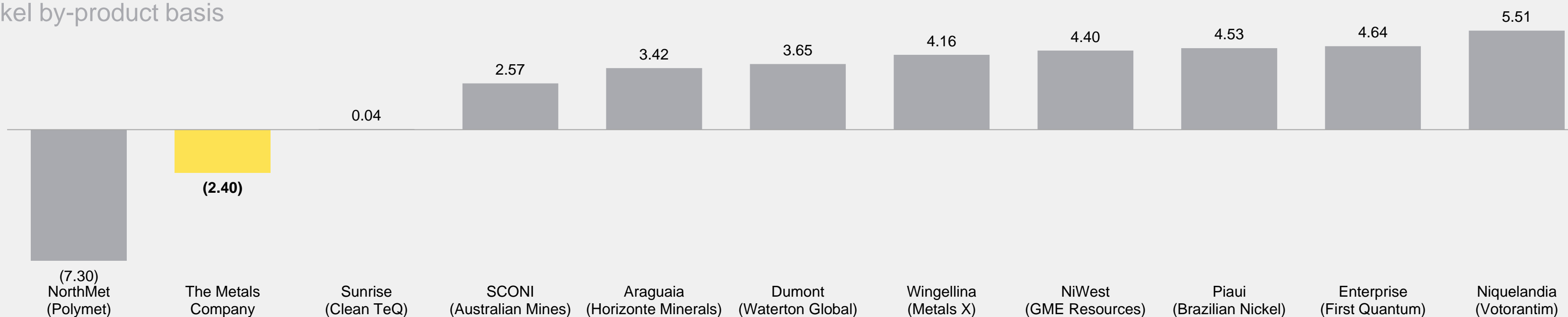
## Capital intensity

CAPEX in \$US / average annual nickel equivalent tons produced<sup>1</sup>



## Unit cash costs

\$US / lb, nickel by-product basis



<sup>1</sup> Figures rounded to the nearest \$100.

<sup>2</sup> Based on estimated production between 2027 (run-rate year) – 2042. Calculations include nickel tonnage related to tolling. Development capex excluding tolling is \$33,500/T.

Note: Calculated using projections out to 2040. Assumes average price of \$16,106 per tonne of nickel, \$6,787 per tonne of copper, \$46,416 per tonne of cobalt, \$4.53 per dmtu of manganese, \$1,823 per ounce of gold, \$27 per ounce of silver and \$1,224 per ounce of platinum.

The nickel, copper, cobalt and manganese pricing is consistent with the pricing used in Canadian NI 43-101 and SEC Regulation S-K (Subpart 1300) Compliant NORI Area D Clarion Clipperton Zone Mineral Resource Estimate and associated financial model, AMC, March 2021. The gold, silver and platinum prices are based on spot prices as of May 12, 2021.

Source: Wood Mackenzie Reports. Canadian NI 43-101 and SEC Regulation S-K (Subpart 1300) Compliant NORI Area D Clarion Clipperton Zone Mineral Resource Estimate and associated financial model, AMC, March 2021.



## Greenfield vs. bluefield: The advantages of nodule collection projects.

	Greenfield development <b>Land mining</b>	Bluefield development <b>Nodule collection</b>
<b>Development timeline</b> from start PFS to production	<b>5-7 years</b>	<b>3 years</b>
<b>Capital intensity</b> construction capital	<b>~\$60,000/t<sup>1</sup></b> of nickel equivalent production capacity	<b>~\$28,000/t<sup>2</sup></b> of nickel equivalent production capacity
<b>Land use</b>	Indigenous rights, community displacement and rights (water, land, forests, pollution)	No land use / displacement
<b>Mine infrastructure</b>	Power, ports, rail, roads, water	No fixed infrastructure
<b>Mine development</b>	Open pit: Overburden, terraced access Underground: Shafts & tunnel networks	Commission equipment, deploy collector robots and riser - weeks
<b>Plant infrastructure &amp; development</b>	Processing usually near the ore body, often requiring the construction of power, ports, rail, water, roads	Once nodules are on the vessel, we can go anywhere with existing power, ports, rail, roads and water
<b>Waste management</b>	Tailings dams, or expensive dry stacking that expands land use	No solid waste to manage

Source: Wood Mackenzie Reports. Canadian NI 43-101 and SEC Regulation S-K (Subpart 1300) Compliant NORI Area D Clarion Clipperton Zone Mineral Resource Estimate and associated financial model, AMC, March 2021.

<sup>1</sup> Approximate peer group median calculated using projections out to 2040. Assumes average price of \$16,106 per tonne of nickel, \$6,787 per tonne of copper, \$46,416 per tonne of cobalt, \$4.53 per dmtu of manganese, \$1,823 per ounce of gold, \$27 per ounce of silver and \$1,224 per ounce of platinum. Nickel, copper, cobalt and manganese pricing is consistent with the pricing used in Canadian NI 43-101 and SEC Regulation S-K (Subpart 1300) Compliant NORI Area D Clarion Clipperton Zone Mineral Resource Estimate and associated financial model, AMC, March 2021.

<sup>2</sup> Based on estimated production between 2027 (run-rate year) – 2042. Same pricing as used in peer calculation as well as the financial model, AMC, March 2021. Calculations include nickel tonnage related to tolling. Development capex excluding tolling is \$33,500/T.



**Thank you.**

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