

STRATEGIC SOVEREIGNTY STARTS HERE

Unlocking North America's and Europe's National
Security Advantage with One of NATO's Most
Advanced Niobium Projects



**NIO
STRATEGIC
METALS**

Corporate Presentation

September 2026

TSXV : **NIO**

OTCQB : **NIOCF**

 **NIO
MÉTAUX
STRATÉGIQUES**

 **NIO
STRATEGIC
METALS**

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Cautionary Notes Regarding Technical Information: This presentation includes disclosure of scientific and technical information, as well as information in relation to the calculation of resources, with respect to the Oka Project. Nio's disclosure of mineral resource information is governed by National Instrument 43-101 – Standards of Disclosure for Mineral Projects ("NI 43-101") under the guidelines set out in the Canadian Institute of Mining, Metallurgy and Petroleum (the "CIM") Standards on Mineral Resources and Mineral Reserves, adopted by the CIM Council, as may be amended from time to time by the CIM ("CIM Standards"). There can be no assurance that mineral resources will ultimately be converted into mineral reserves. Mineral resources are not mineral reserves and do not have demonstrated economic viability.

Further information about the Sainte-Sophie Niobium Project, including information relating to quality assurance and quality control procedures, is available in accordance with NI 43-101 within the Technical Report entitled "Modèle géologique et estimation des ressources de niobium de la zone S-60, Oka, Québec" with an effective date of November 3, 2011, a copy of which is filed under Nio's profile on SEDAR+ at www.sedarplus.ca. The resources are historical in nature, they have not been validated by the qualified person. These historical resources have not been estimated in accordance with sections 1.2 and 1.3 of NI 43-101, are not up-to-date and should not be relied upon.

The technical information in this presentation has been reviewed on behalf of the Corporation by Pierre-Jean Lafleur, Eng. and geological consultant, is a qualified person within the meaning of NI 43-101 on standards of disclosure for mineral projects.

Corporate Snapshot

Board

Julie Lemieux

Hubert Vallée

Alexandre Triquet

Major-General Sylvain Y. Ménard

Christoph Ebeling

Management

Hubert Marleau

CEO & Chairman

Bruno Dumais

COO & Board

Jean-Sebastien Blanchette

CFO & Board

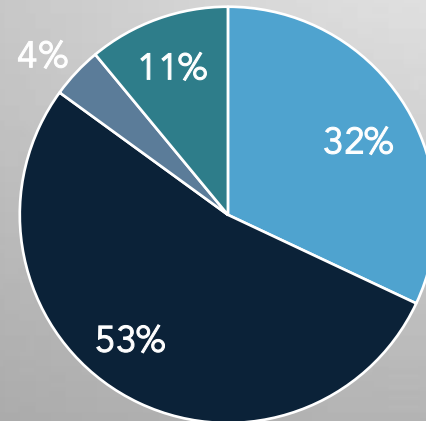
Issued Capital

Shares issued 143 Mln

Share Price C\$0.14

Market Cap C\$20 Mln

Net Cash C\$5.5 Mln



- Nio Metals Holdings LLC
- High Net Worth Individuals
- Board Directors & Management
- Others

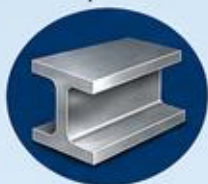
5 Reasons to Invest in Nio Strategic Metals

- 1. World-Class Niobium Asset: High grade deposit (0.68% Nb₂O₅) with proven metallurgy with access to key infrastructure
- 2. Environmental and Social Benefits for the Local Community
- 3. Strong Economic Returns
- 4. Strategic Asset for NATO to Reduce BRICS Dependency
- 5. Experienced Board and Management Team

Geopolitical tailwinds across Aerospace, EV & Defence



Niobium: A Critical Element in Modern Defense Systems



Modern defense systems require very specific steel grades (**High Strength Low-Alloy steel**).

These steel grades, in turn, cannot be produced without **niobium** in the form of **ferroniobium**.



HSLA steel underpins virtually all load-bearing structures in modern military systems.

HOW NIOBIUM ENABLES HSLA STEEL

FERRONIObIUM

Niobium is supplied as ferroniobium (an iron-niobium alloy).



ADDED TO STEEL

Trace amounts of niobium refine the steel's microstructure.



STRONGER, TOUGHER, LIGHTER

Results in HSLA steel with superior strength, weldability, and weight efficiency.



These applications are not peripheral;
they are foundational.

HSLA STEEL IS USED ACROSS THE FULL SPECTRUM OF MODERN DEFENSE SYSTEMS



ARMORED VEHICLES



MILITARY TRANSPORT & LOGISTICS PLATFORMS



MOBILE LAUNCHER AND RADAR SYSTEMS



BRIDGING AND ENGINEERING EQUIPMENT



HIGHLY STRESSED COMPONENTS IN MILITARY AVIATION



HULLS AND STRUCTURAL FRAMEWORKS OF MODERN NAVAL VESSELS



Why **invest** in Nio Strategic Metals

USES OF NIOBIUM

Niobium is a versatile metal used in a wide range of industries due to its unique properties, such as high strength, corrosion resistance, and ability to improve alloy performance.



AEROSPACE

Niobium is used in high-strength, low-alloy steels and superalloys for aircraft and rocket components, improving performance at high temperatures.



OIL & GAS INDUSTRY

Niobium-containing steels are used in pipelines and offshore structures due to their high strength and resistance to corrosion and hydrogen embrittlement.



MEDICAL APPLICATIONS

Niobium is biocompatible and used in medical implants and surgical instruments, as well as in MRI superconducting magnets.



AUTOMOTIVE

Used in high-strength steels for vehicle components, niobium helps reduce weight while improving safety and durability.



CONSTRUCTION

Niobium microalloyed steels are used in high-rise buildings, bridges, and other infrastructure for enhanced strength and durability.



SUPERCONDUCTING APPLICATIONS

Niobium is essential in superconducting materials used in particle accelerators, fusion reactors, and advanced research equipment.



TOOL STEELS

Adds strength, wear resistance, and heat resistance to tool steels used in cutting tools and industrial equipment.



STAINLESS STEEL

Niobium is added to stainless steel to improve weldability, strength, and resistance to intergranular corrosion.



ELECTRONICS

Used in capacitors and electronic components, where its oxide layer provides excellent insulating properties.

80% of Ferroniobium is used in HSLA steel to increase mechanical strength, thermal and corrosion resistance

Why invest in Nio Strategic Metals

EV AND ENERGY TRANSITION

Fast-charging batteries with longer cycle life

Adding ~300 g of Nb to a mid-size car's steel cuts its weight by ~200 kg — a factor of over 600x

AI SERVERS

Niobium-oxide batteries back up AI data centres; niobium phosphide films could replace copper in next-gen chips

From batteries to data centers, niobium powers the technologies of tomorrow.

Why Invest in Nio Strategic Metals

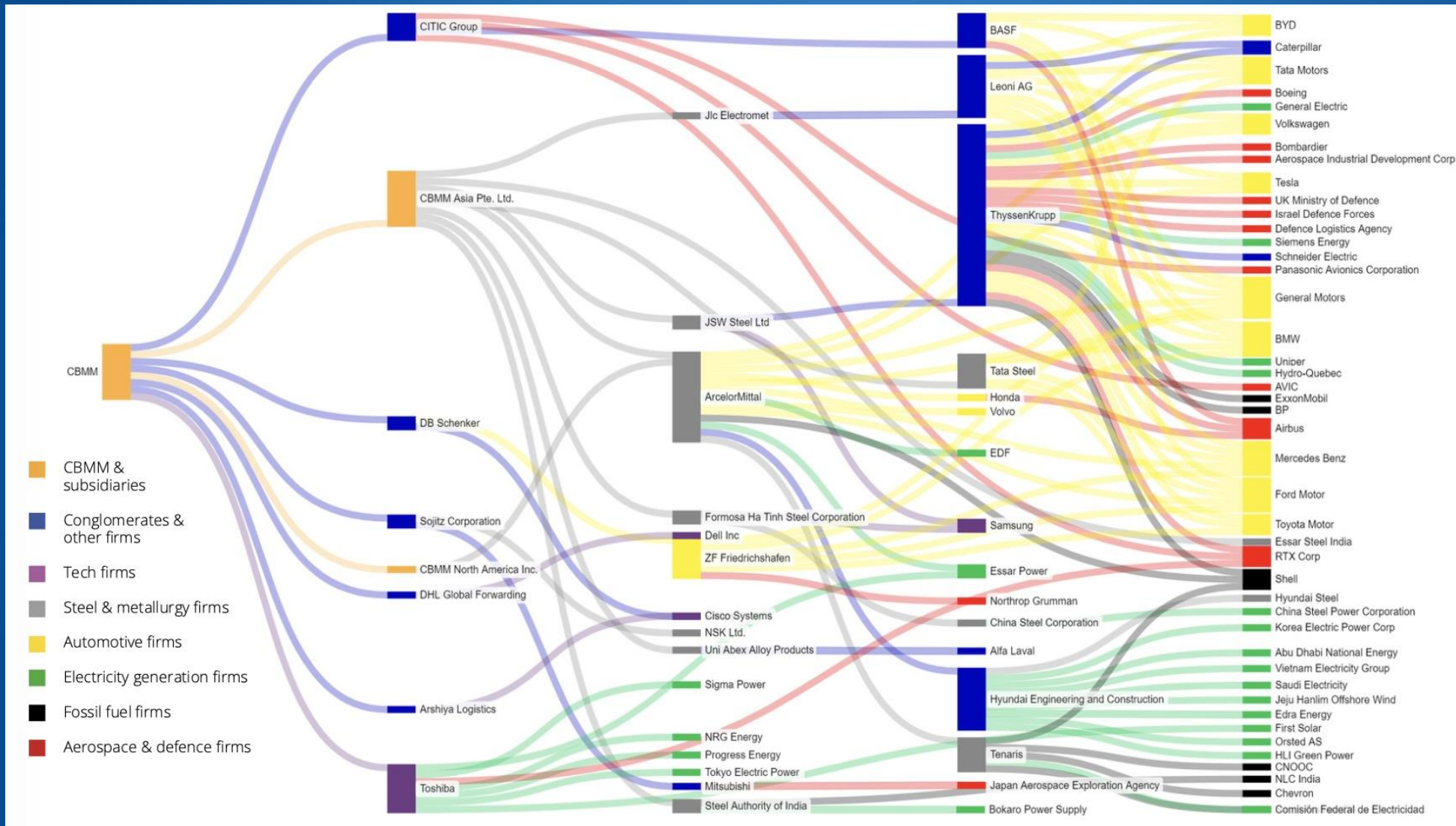


1. ~90% of global niobium production comes from one company in Brazil (CBMM, 15% owned by a Chinese consortium); the remaining ~10% comes from a second Brazilian mine (Catalão, owned by China's CMOC) and Niobec in Québec (Hong Kong-controlled via CEF Holdings / CK Hutchison)
2. There are few economically viable niobium deposits in the world
3. Nio is right-sized, as production would be around **4% of global supply**

STRATEGIC NIOBIUM: ~98% of supply outside NATO-allied control

Basis: CBMM (Araxá) ownership per company disclosure — 15% CMOC-led Chinese consortium, 15% Japanese-Korean consortium; Catalão owned by CMOC (China); Niobec (Saint-Honoré) acquired 2015 by Magis Resources with CEF Holdings (Cheung Kong / CIBC) and Temasek — Hong Kong operates under PRC national-security law. Brazil is not a NATO member.

The Niobium Supply Chain



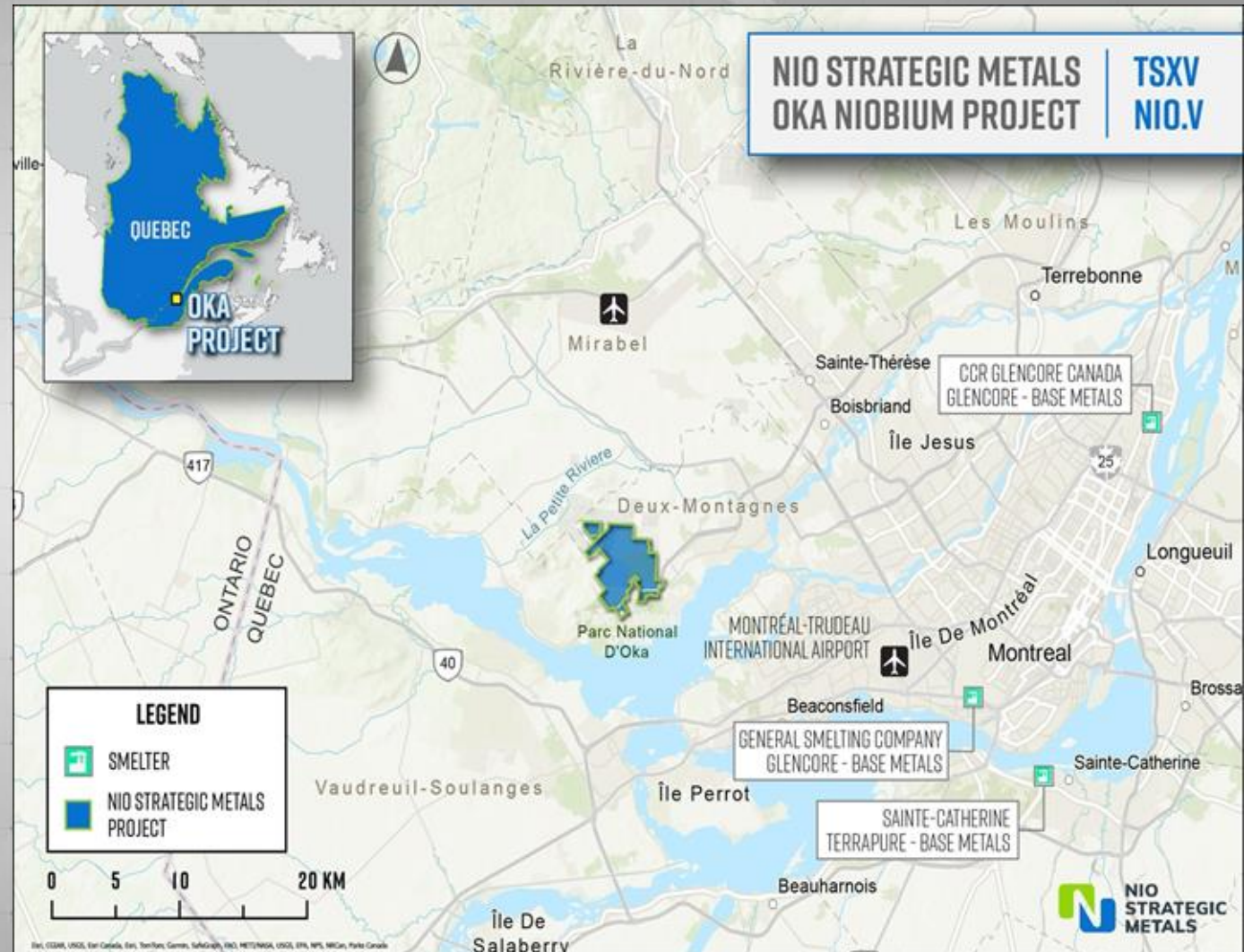
Source: *Niobium and the EU: Green Dreams or War Machines?* by The Transnational Institute (TNI)

The Oka Project: NATO's Most Advanced Western-controlled path forward

Proximity to Montreal:

- Access to talented workforce
- Hydro-Electricity
- Smelters / metallurgical sites
- Top mining jurisdiction in the world
- Manageable capital expenditures
- Aligned with NATO interests, First Nations partnerships, and clean mining practices

This is more than a mine. It's a gateway to defence sovereignty.



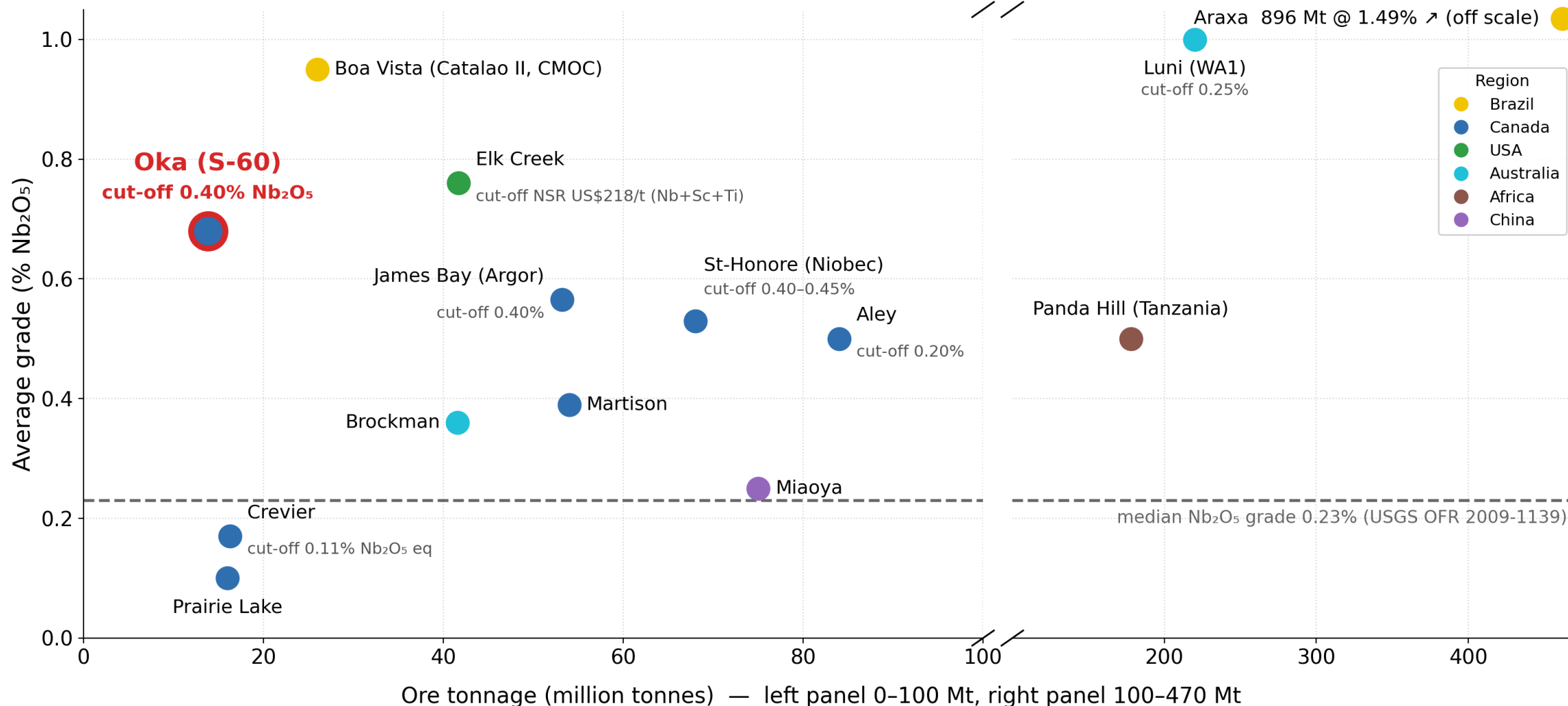
OKA Niobium: Significant Deposit with Historical Resource

Resource Category	Mtonnes	% Nb ₂ O ₅
Measured	4.28	0.72
Indicated	6.35	0.65
Total	10.63	0.68
Inferred	3.22	0.61

Reported at a 0.40% Nb₂O₅ cut-off grade

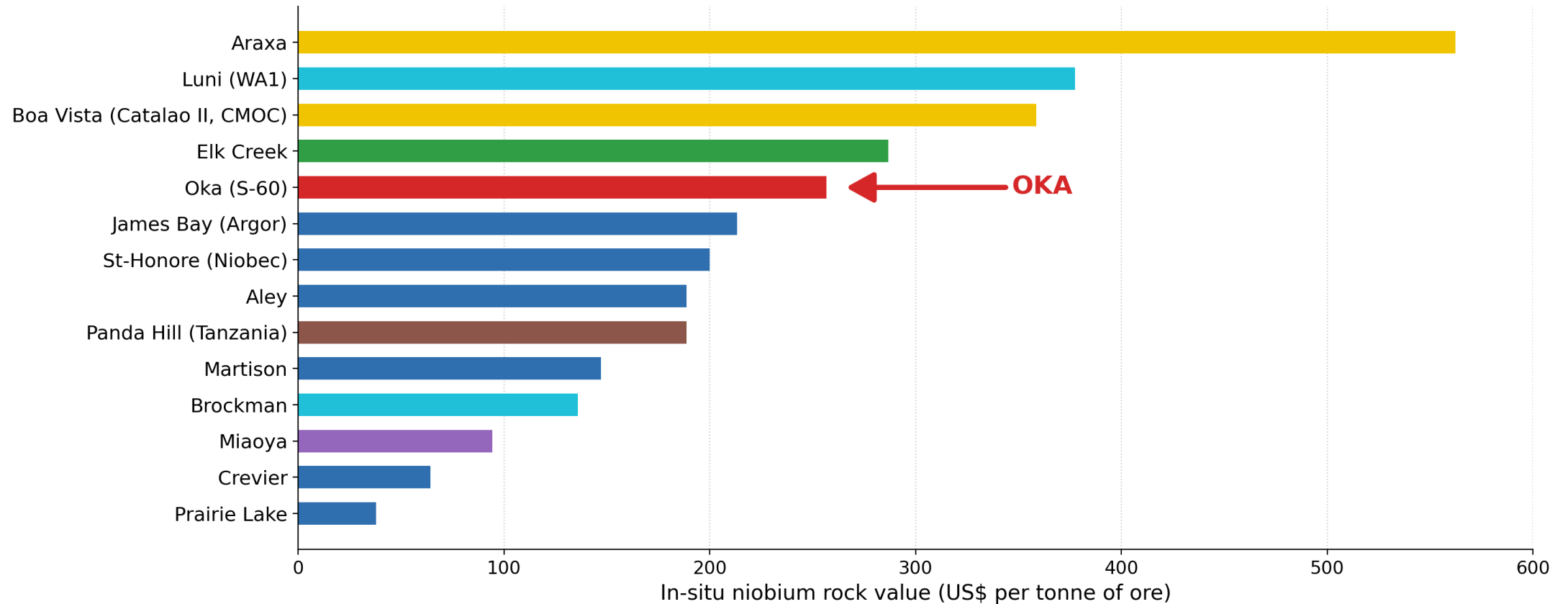
Oka Niobium: Grade vs Tonnage — Select Peers

Niobium Deposits Grade vs Tonnage



Oka Niobium: In-Situ Rock Value

Niobium In-Situ Rock Value (US\$)



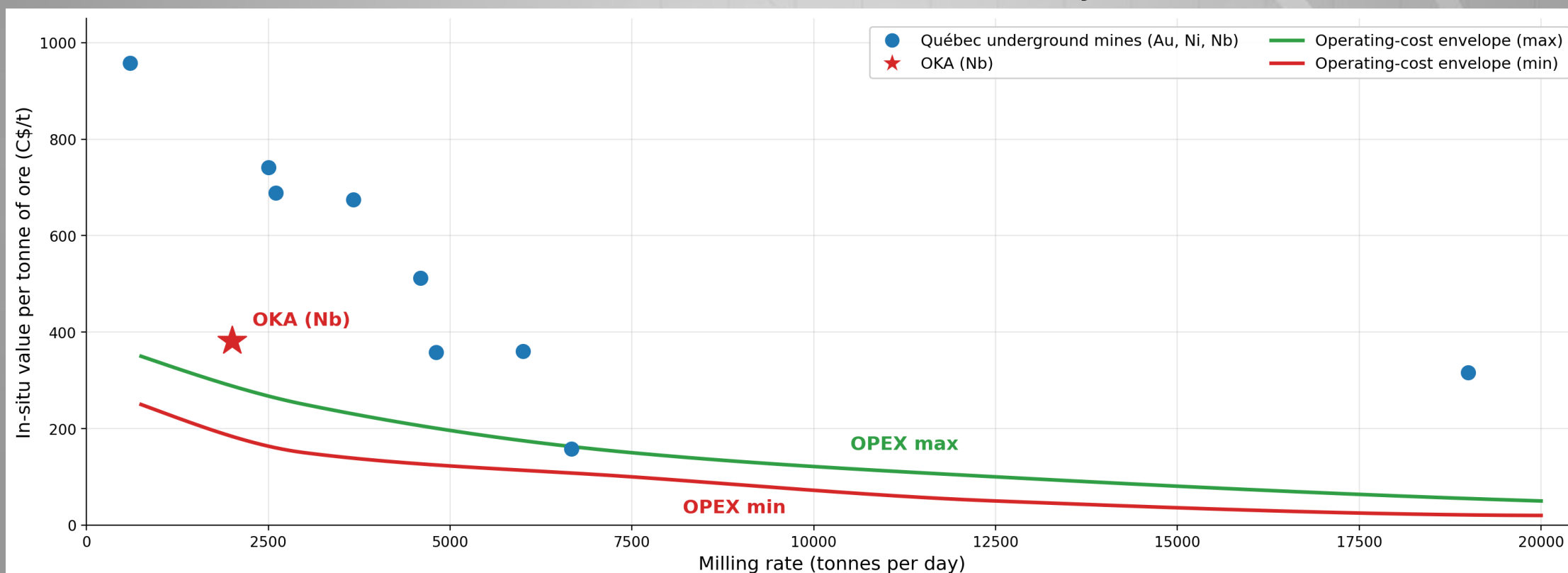
In-situ contained niobium only, at US\$54/kg Nb (ferroniobium basis); $\text{Nb}_2\text{O}_5 \times 0.699$.
Gross of recovery and all costs. Primary-niobium deposits only.

Brazilian figures from published geological literature, not NI 43-101/JORC estimates: Araxa 896 Mt @ 1.49% Nb_2O_5 , CBMM remaining regolith resource (Vidigal et al., 2021);
Boa Vista (Catalao II) 26 Mt @ 0.95% Nb_2O_5 (Palmieri et al., 2022).
Niobec: IAMGOLD 31 Dec 2010 resources under conventional mining, all categories (105 Mt @ 0.53%, 0.40–0.45% cut-off) less ~37 Mt mined 2011–2026; Magris does not publish reserves.
James Bay: RPA 2020 MRE, Indicated + Inferred reported at a 0.40% Nb_2O_5 cut-off (53.2 Mt @ 0.565%) to match Oka's cut-off; the base-case 0.30% cut-off estimate is 63.5 Mt @ 0.525%.

Oka Niobium: Rock Value as good as a Gold mine!

Selected Quebec underground mines benchmarked against the operating-cost envelope

OKA sits above both OPEX curves — in-situ value comfortably exceeds costs.



Oka in-situ value: 0.68% Nb₂O₅ historical resource grade, contained Nb (× 0.699) at US\$54/kg Nb and 1.37 CAD/USD ≈ C\$352/t. Québec mine values and OPEX envelope per Table Jamesienne de concertation minière.

Financial Aspects: Expected After-Tax Cash Flows

Economic highlights of the Oka project (CAD), with the basis and assumptions behind the figures.

ECONOMIC HIGHLIGHTS (in CAD)

Unit

Feasibility Metrics (8% discount rate)

After-tax Net Present Value (NPV) 405,334 CAD \$M

After-tax IRR 30.05%

Financials Summary

	per year	total	
Revenues (Sales)	195	3,319	CAD \$M
Operating Expenses (OPEX)	80	1,907	CAD \$M
Operating Income (After tax and mining duties)	82	1,402	CAD \$M
Initial Capital Expenditures (CAPEX)		466	CAD \$M

Production Summary

Life of Mine ("LOM")		17	years*
Ferro-Niobium (0.65% Nb ₂ O ₅)	4,370	71,562	Metric Tons

*: may be extended upon further drillings

HIGHLIGHT

\$3 billion+

in-situ value of the Oka niobium deposit

Basis and assumptions

- Financial information derived from the 2009 Update of CAPEX / OPEX by DRA Global (formerly Met-Chem).
- A revised operational process reflecting new green-mining concepts will be implemented and may impact results.
- Inflation of 1.5% per year applied for 2009 – 2025.
- Niobium price adjusted from \$40.67/kg to \$54.00/kg to reflect current market conditions.
- Additional resources may be found and processed at site, positively impacting Revenue and the Net Revenue Royalty.
- Initial CAPEX to operate the mine estimated at \$448M over the first 3 years.

Oka Metallurgy: Key Data from Recent IGS Study

52.75%

Nb₂O₅ concentrate grade
vs. 44.5% in the 2011 feasibility study

81.14%

Niobium recovery
vs. 71.7% in the 2011 feasibility study

11.75%

TREO in the Nb concentrate
≈76% Ce, 9% Nd, 3% Pr

Table 1 — Metallurgical test composite vs. 2011 reference feed

95 core samples, 18 holes, S60 + HWM2 zones; sample Nb₂O₅ range 0.52–0.81%.

Head assay (wt %)	IGS composite CM7-A	2011 FS feed M7-A
Nb ₂ O ₅	0.646	0.650
P ₂ O ₅	4.291	3.970
Fe ₂ O ₃	8.991	9.470
SiO ₂	7.479	6.100
MgO	5.138	4.920
CaO	39.176	38.800

Table 2 — Rare-earth oxides in the pyrochlore concentrate

Two concentrate samples; LREO 12.55% vs. HREO 0.25%. Minor REO omitted.

Oxide in concentrate (wt %)	IGS-E08	PNA15-11
CeO ₂	9.754	9.803
La ₂ O ₃	1.177	1.103
Nd ₂ O ₃	1.082	1.078
Pr ₆ O ₁₁	0.375	0.383
HREO (Gd–Lu, Y)	0.253	0.257
TREO	12.801	12.793

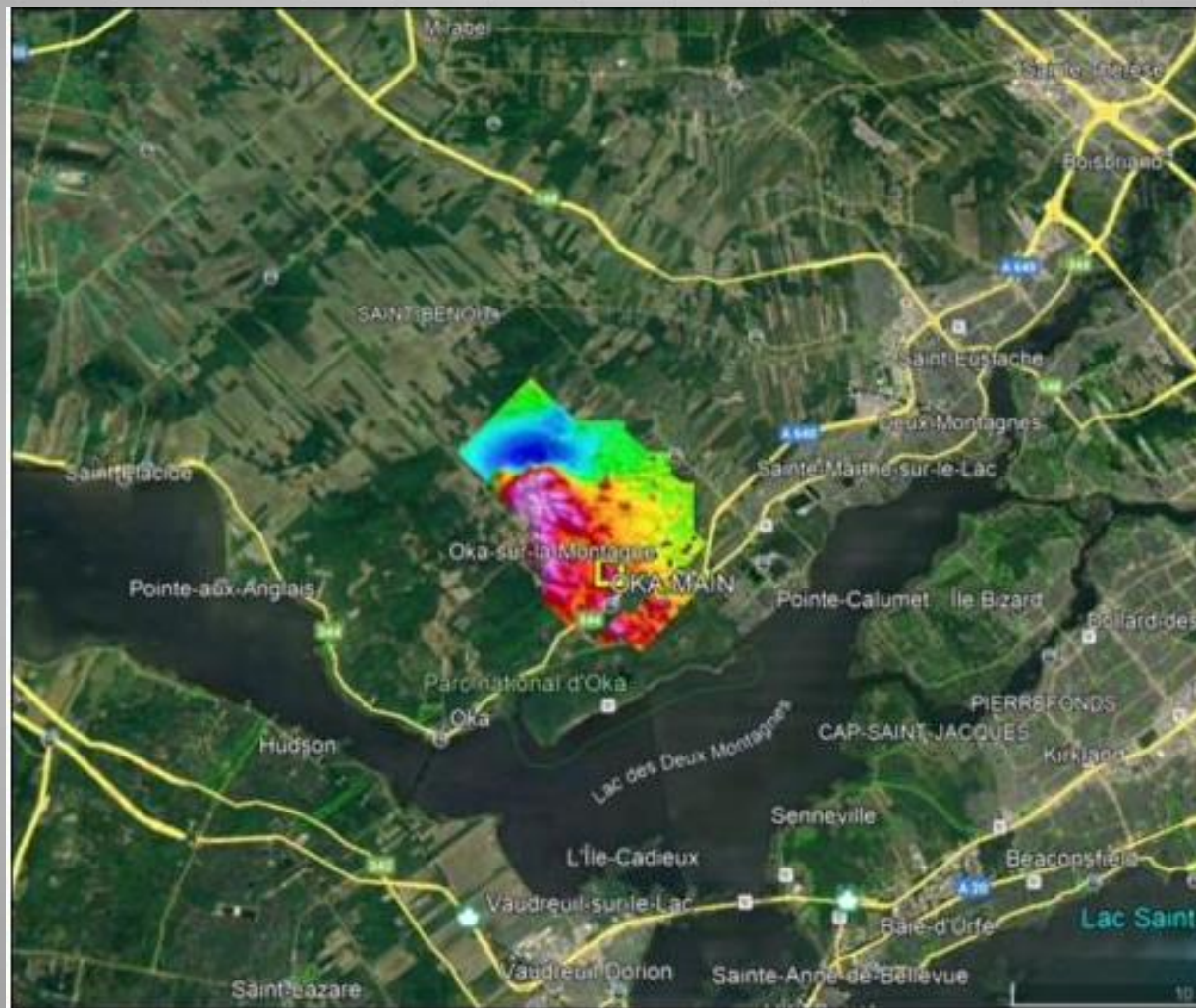
Table 3 — Concentrate leach test: Th and U removal

Retained % = residue mass × conc. ÷ feed; balance reports to leach solution.

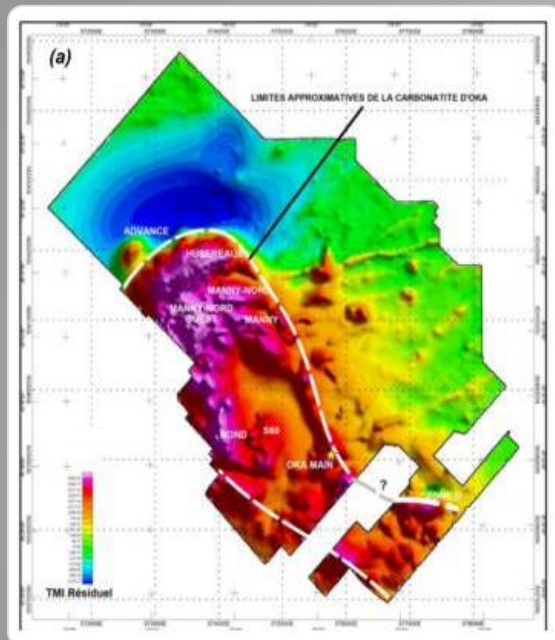
Element (ppm)	Leach feed	Leach residue	Retained in residue
Th	2,000	824	38.7 %
U	1,000	120	11.3 %
Ce	73,700	41,000	52.2 %
Nd	17,900	9,890	51.9 %
La	13,300	6,970	49.2 %

Source: Nio Strategic Metals news release, August 4, 2026; IGS Impact Global Solutions Inc., "The sustainable and optimized development of niobium and other CSM of the Oka deposit". Composites drawn from the historical resource (2011), not a current NI 43-101 mineral resource. Reviewed by Pierre-Jean Lafleur, P.Eng., QP.

Recent survey and interpretation identify five major magmatic structures with potential REE mineralization

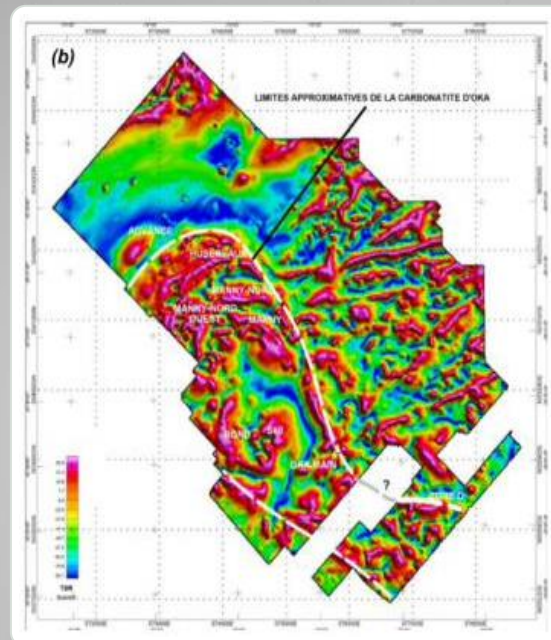


Residual TMI, tilt derivative and geo-structural interpretation



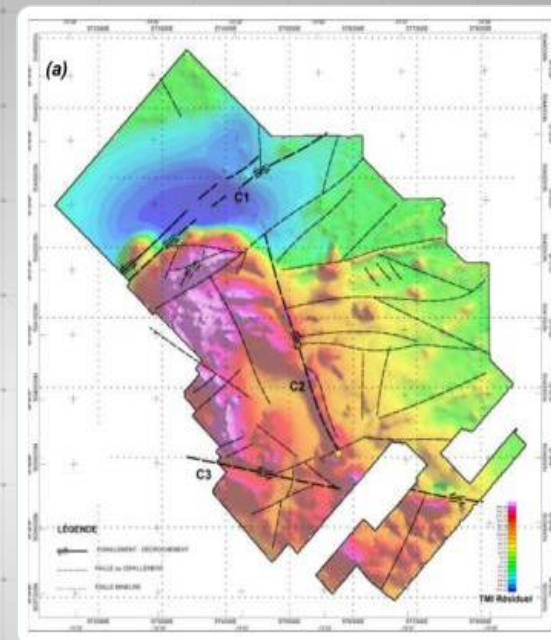
Residual total field (TMI)

12,370 nT range; triangular and crescent-shaped anomalies typical of dyke-type intrusives, with the interpreted carbonatite contact.



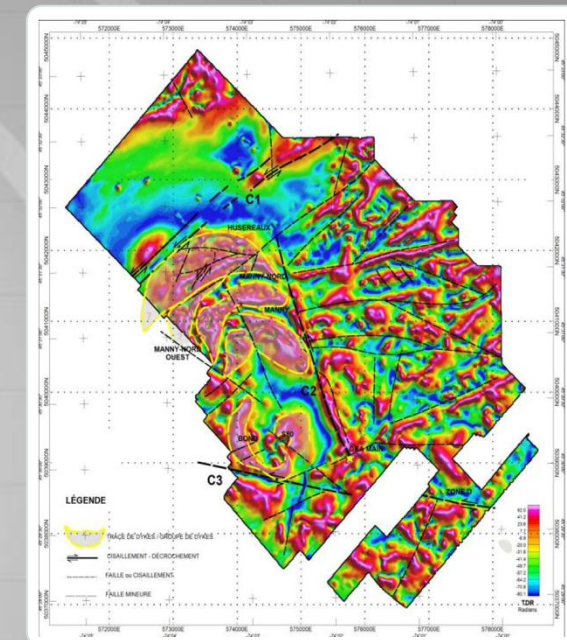
Magnetic tilt derivative (TDR)

Sharpens the edges of the magnetic bodies and locates the historical niobium zones (Husereau, Manny, Bond, S60, Oka Main).



Structural interpretation

Three major shear zones: C1 (northwest, hosts Advance), C2 (northeast contact) and C3, the strike-slip fault behind the “distorted 8”.



Five arcuate dyke structures

Husereau, Manny North, Manny, Bond and Central Structure (S60–Wayfair); inversion suggests they connect at depth (800 m+).

Source: Nio Strategic Metals press release, Sept. 16, 2026 (Figures 2, 3 and 6) · Geophysical anomalies are not necessarily indicative of mineralization

Building the Team to De-Risk Oka

Specialist partners across de-risking and innovation advance permitting, environmental work and metallurgy in parallel.



De-risking

DISCIPLINE

PARTNER

Hydrogeology	GHD
Hydrogeology	Enviroc (Fondasol)
Remediation	Terra-Consulting
Mine plan	DRA Global
Infrastructure	Colas
Metallurgy	Soutex
Niobium marketing	CAMET AG (Zug)
Social acceptability	Pilote groupe-conseil
Gov. relations – Québec	Sherpa
Gov. relations – Canada	Kokus



Innovation

DISCIPLINE

PARTNER

Industry roundtable	James Bay Mining Roundtable (TJCM)
Water & metallurgy	Industrial Waste Tech. Centre (CTRI)
Hydrometallurgy	Impact Global Solutions (IGS)
Mining innovation	AccoMine (division of TJCM)
Metallurgy	Québec Metallurgy Centre (CMQ)
Geoscience research	McGill University – Earth Sciences

Mining Plan Illustration

Excavation below water table
Only magnetic separation and concentration on-site with no chemicals involved

No dust
No noise
Surface environments remediated for naturally-present radioactivity

600 meters depth
High tech crushing and sorting underneath surface and backfilling
Zero-process water discharge facility using Artificial Intelligence

Minimal impact on surface level
Visible mining operations limited to one or two trucks of concentrate delivery daily

Turning Oka's Legacy Site into a Community Asset

Site restoration and water infrastructure deliver regional value

01 · TAILINGS REMEDIATION

Restoring the historical site

- i** **Rapid slag clean-up:** remove the existing slag — 100% of the ~6,000 t of slag taken off site.
- ii** **Stabilize the historical tailings:** 100% of the ~6 Mt of tailings characterized, stabilized or brought under control.
- iii** **Cut water-migration pathways:** lower contaminant loads reaching surface water and groundwater.

02 · WATER

Securing the area's water supply

The project delivers new water infrastructure that closes the area's existing water deficit:

Water treatment plant — treating groundwater drawn from a radius of over 2 km to irrigation-quality water

Reservoir — irrigation water for local farms

The Local Stakeholders



1

Mohawks of Kanesatake

Kanien'kehá:ka community adjoining the project — ~1,400 on the Kanesatake Lands (~3,150 registered members).

WHAT MATTERS TO THEM

The land carries history — including the events of 1990. Trust is the precondition for everything that follows.

SHARED GROUND WITH NIO

Partnership-first: a strategic joint venture with shared equity, employment and benefit-sharing — consent-based and built on respect.



2

Oka Municipality

Rural town of ~4,400 residents in the MRC de Deux-Montagnes.

WHAT MATTERS TO THEM

Among the region's highest residential tax burdens, with aging water infrastructure and a thin revenue base.

SHARED GROUND WITH NIO

≈ \$4M / yr in recurring municipal revenue — about \$877 a year off the tax bill of a typical \$500,000 home — plus local jobs.



3

Farmers of Oka and St-Joseph-du-Lac

28 corporations in Oka (agriculture, forestry, fishing & hunting); orchard farms in St-Joseph-du-Lac.

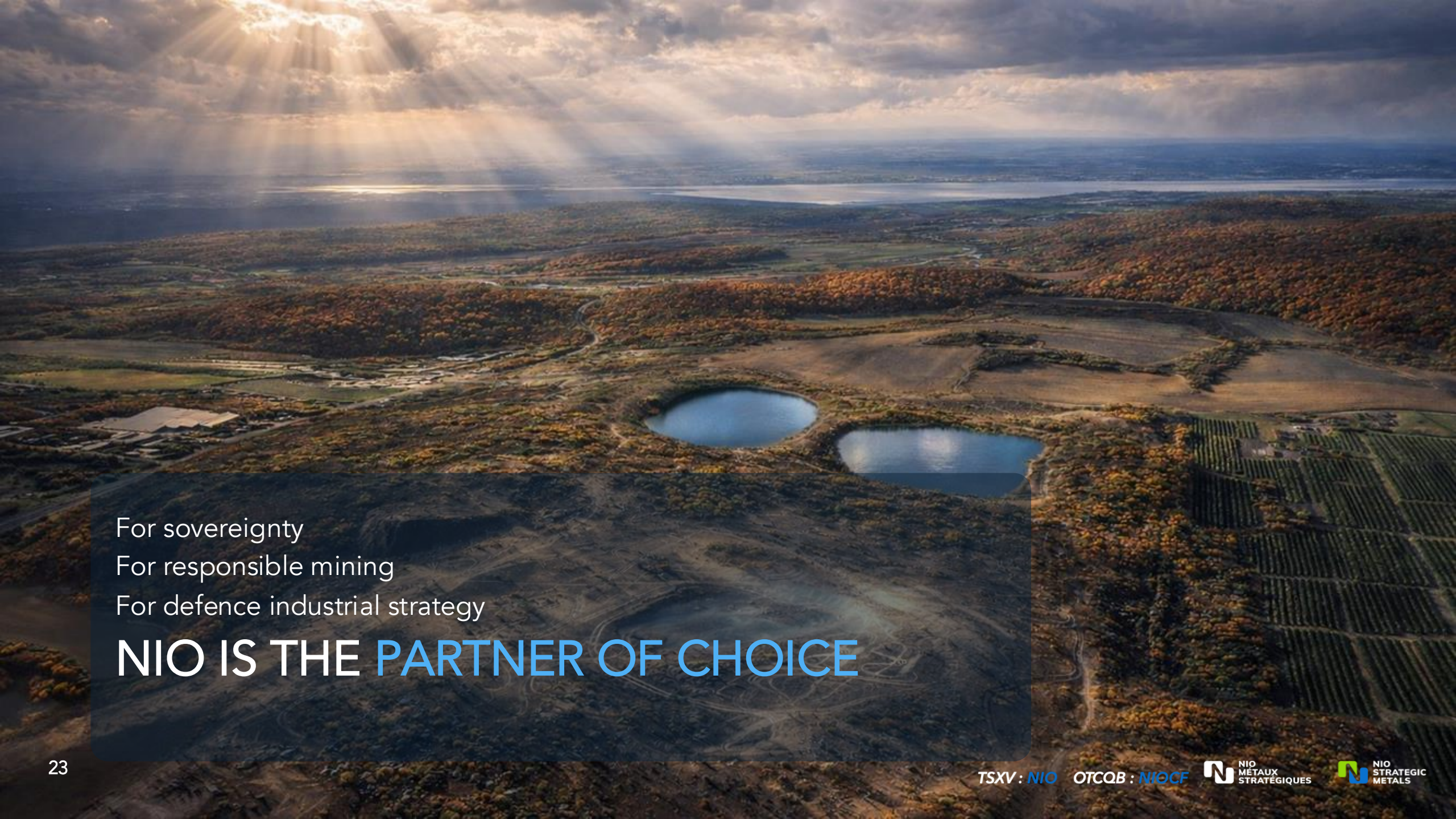
WHAT MATTERS TO THEM

Their livelihood depends on healthy soil, a stable water table and clean air — no dust, no contamination.

SHARED GROUND WITH NIO

Underground extraction below the water table; no surface footprint on farmland. An impact assessment confirms water use won't affect local biodiversity — farmland stays farmland.

"Parties concerned" per the MERN definition of acceptabilité sociale. Oka financial model (MAMH, 2010–2025); 28 corporations in "Agriculture, forestry, fishing & hunting" (Oka business register); Kanesatake population — Indigenous Services Canada (2024).



For sovereignty
For responsible mining
For defence industrial strategy

NIO IS THE PARTNER OF CHOICE

Q&A

Contact:

Bruno Dumais

(514) 592-8444

bdumais@niometauxstrategiques.com

Jean-Sébastien Blanchette

(917) 399-0437

jblanchette@niometauxstrategiques.com

1670-1 Place Ville-Marie, Montreal, QC H3B 2B6