

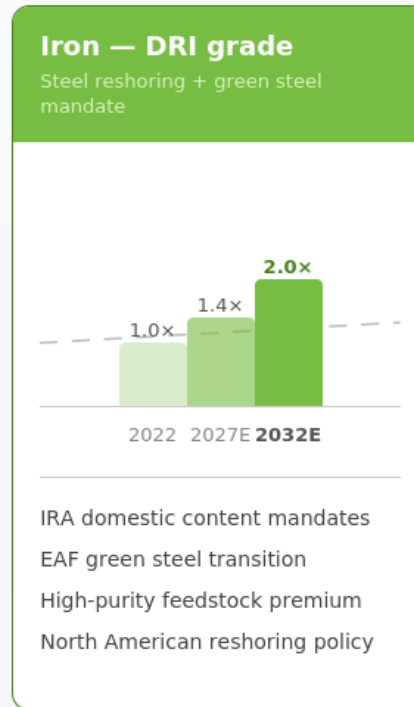
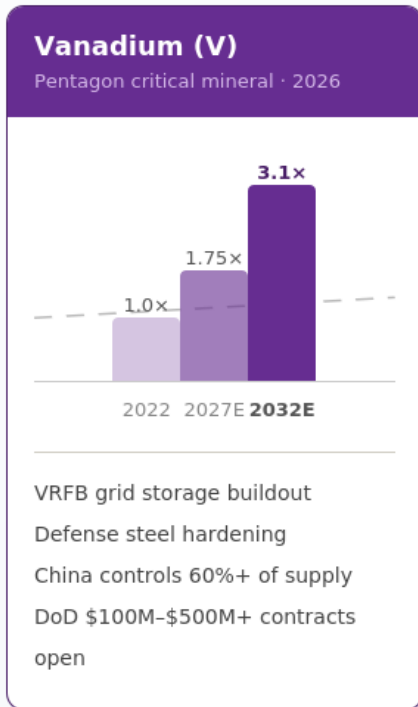
VanadiumCorp Resource Development Strategy

Critical Minerals for Steel and Energy Storage

Corporate Presentation

Three Critical Metals. One Simultaneous Demand Spike

Demand is accelerating across all three metals. Western supply is not keeping pace.



- **Rapidly growing markets**

Vanadium, titanium, and iron are being pulled by three separate policy and market forces simultaneously. VanadiumCorp's resource base sits at the intersection of all three.

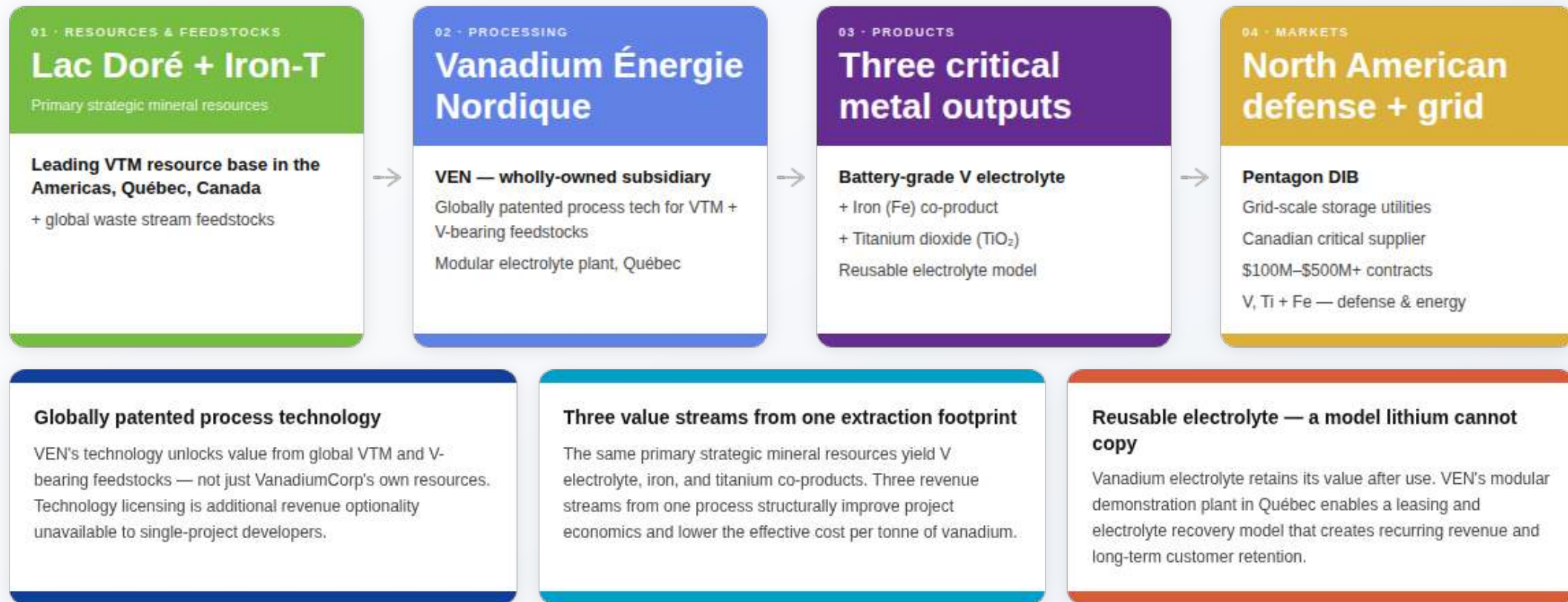
- **Generational supply**

Three separate markets. One resource base and process technology advantage. VanadiumCorp is the only junior in the Americas positioned with both the unrivaled resources and technology to unlock global feedstocks.



What Makes VanadiumCorp Different | The Integrated Pathway

From Vanadiferous Magnetite to Reusable Battery Electrolyte: One Integrated Value Chain



**The pathway from vanadiferous magnetite to electrolyte is not a vision.
It is VanadiumCorp's operational and corporate structure.**



Why Vanadium Matters

Critical Mineral for the Energy Transition



- **Key Roles in Energy Transition**

Vanadium is essential for long-duration energy storage, grid stability, renewable energy integration, and defense materials.

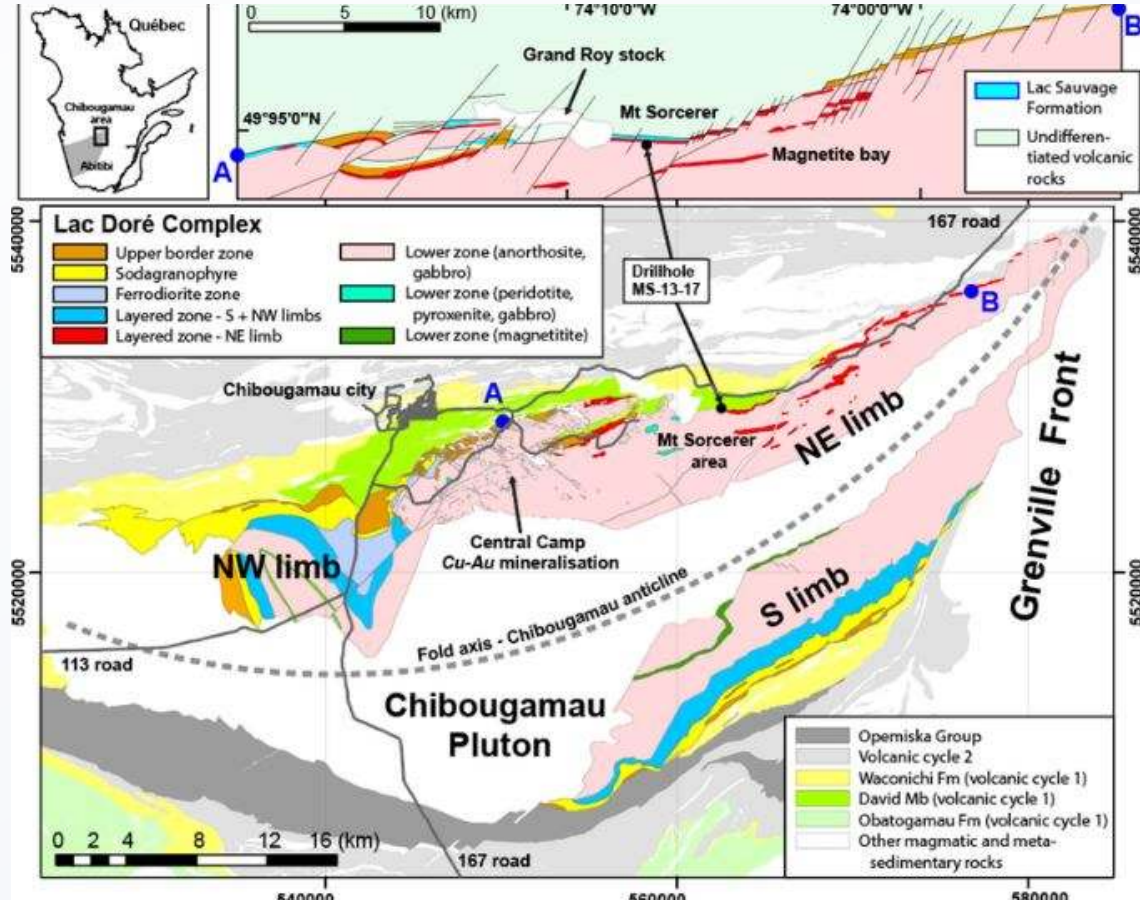
- **VRFB Battery Advantages**

Vanadium Redox Flow Batteries (VRFBs) offer a 25+ year lifespan, unlimited cycles, no thermal runaway risk, and fully recyclable electrolyte.



Lac Doré Geological Setting

Layered Intrusion V-Ti-Fe Deposit within the Lac Dore Complex



- **Part of Chibougamau System**

The Lac Doré complex is integrated within the Chibougamau layered mafic intrusion system, sharing similarities with the Blackrock / Strategic Resources Southwest deposit.

- **Deposit Style**

Characterized by a magnetite-rich layered intrusion with vanadium-titanium-iron mineralization, presenting semi-massive and disseminated zones.

- **Metallurgical Advantages**

Offers high recovery potential and yields a low-impurity concentrate.

Vanadium: A Dual Market Metal

Driven by HSLA Steel and a Rapidly Growing Battery Market

Steel Reinforcement (Current Dominance)



90% of current demand. Enhances strength & durability in steel alloys. Applications in construction, infrastructure, and automotive.

Grid-Scale Batteries (Exponential Growth)



Fastest growing segment. Utilizes Vanadium Redox Flow Batteries (VRFBs) for grid-scale energy storage and renewable energy integration.



VanadiumCorp & Vanadium Énergie Nordique "VEN"

Vertically Integrated Vanadium Platform



VEN Industrial Operations

Pilot Plant in Val-des-Sources, Québec, producing high-purity vanadium electrolyte, with commercial expansion planned near Sherbrooke to scale production.



Mining Assets

Flagship Lac Doré V-Ti-Fe deposit near Chibougamau, with a historical resource of 1.49 billion lbs V_2O_5 (NI 43-101, CSA Global 2020) and Iron-T V-Ti-Fe deposit adjacent to Matagami



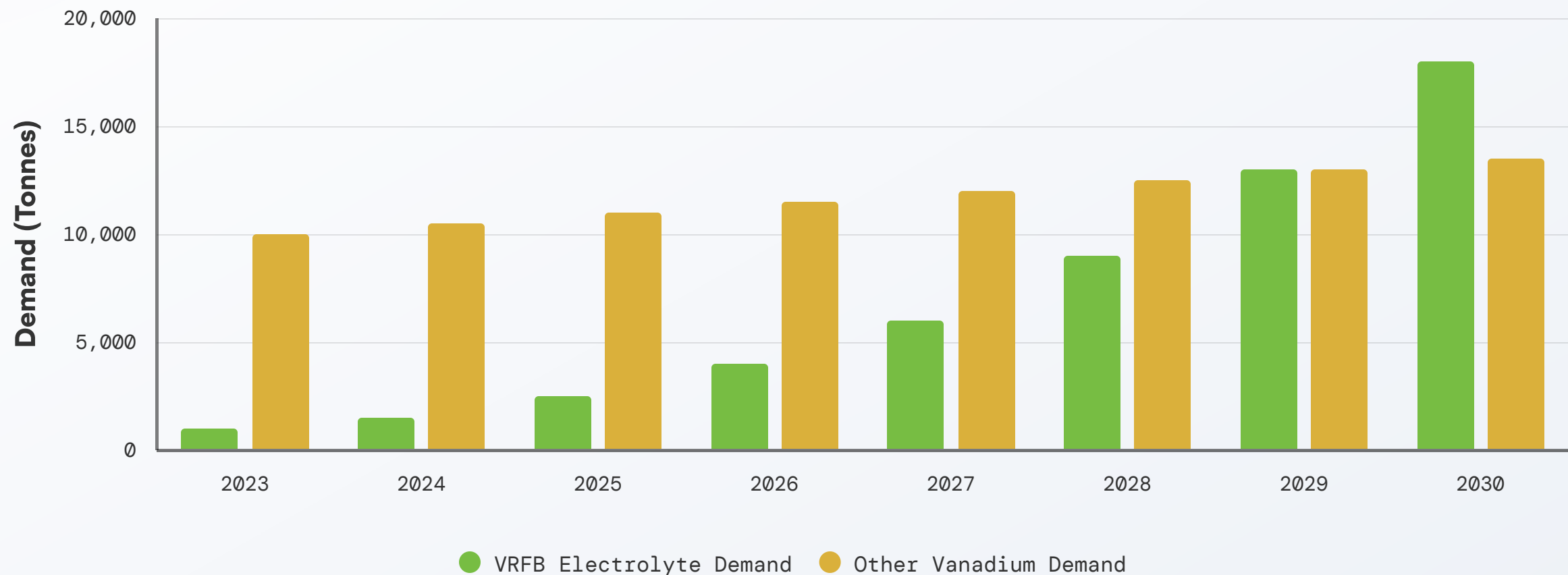
Strategic Focus

Development of a vertically integrated vanadium platform to support long-duration energy storage solutions.



Vanadium Demand: A Proxy for Electrolyte Growth

Vanadium Flow Batteries (VRFBs) are driving significant vanadium electrolyte demand.



Why Electrolyte Supply Is the Bottleneck



- **The Resource Reality**

Most vanadium today is a byproduct of state-subsidized steel slag processing in China/Russia. Primary mining is often energy-intensive and environmentally challenging.

- **Supply Risk**

Global supply chains are geographically concentrated, creating vulnerability to shocks and price volatility.

- **The Problem**

Current recovery technologies are often pollutive (atmospheric roasting). This contradicts the ESG mandates of the green energy transition.

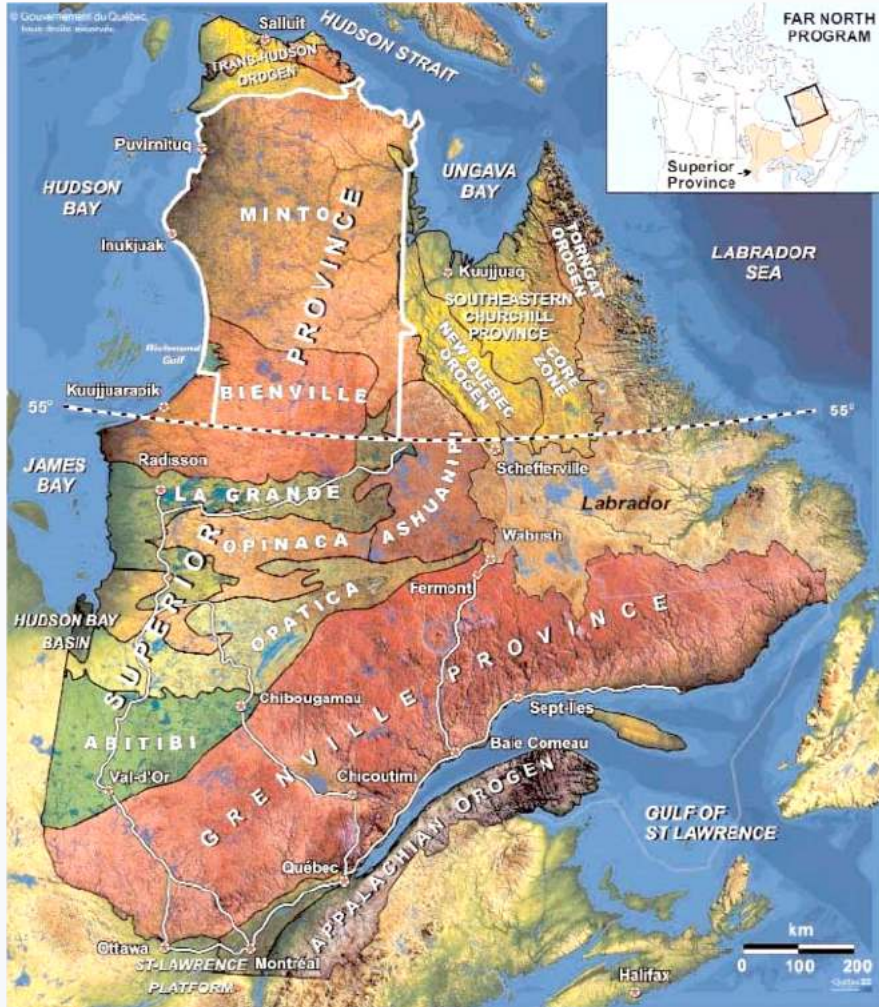
- **VEN's Mission**

To break the bottleneck by establishing a stable, local, and sustainable vanadium electrolyte supply chain.

VEN's Mission: To break the bottleneck by establishing a stable, local, and sustainable vanadium electrolyte supply chain.



VanadiumCorp's Nord-du-Québec Mineral District



Key Strengths

Location: Lac Doré and Iron-T projects situated in Nord-du-Québec, a significant Canadian mining region, at the same latitude as London, England.

Community Support: Robust backing from local communities and Cree First Nations.

High-Quality Mineralization: Features massive to disseminated V-Ti-Fe magnetite mineralization with metallurgical properties comparable to primary vanadium mines.

Established Infrastructure: Proximity to Chibougamau, offering access to resource roads, CN rail, Hydro-Québec power, water, an airport, and a skilled workforce.

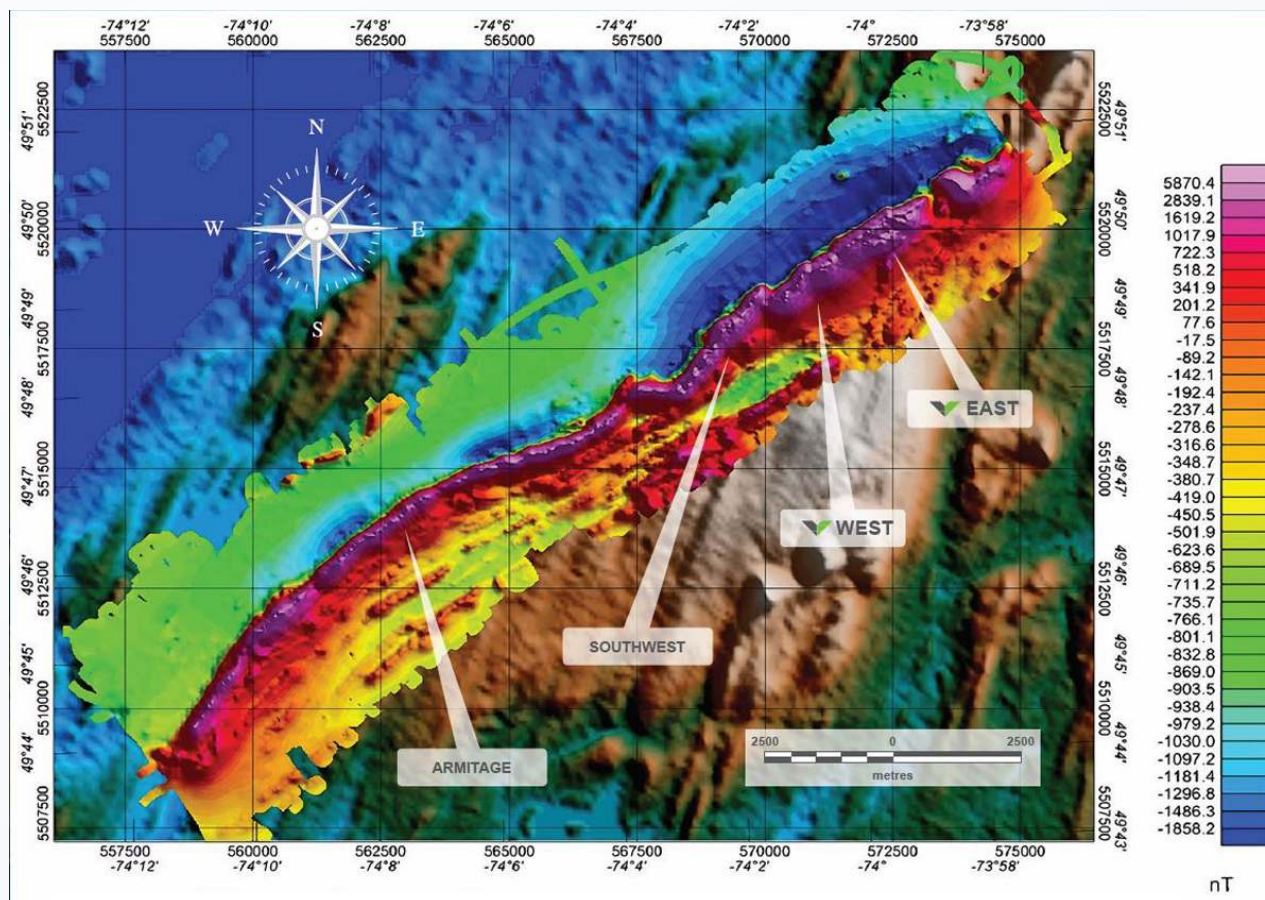
Ownership: 100% owned Lac Doré project with uncommitted offtake.

Government Incentives: Vanadium, titanium, and iron are recognized as Canadian critical minerals, eligible for exploration incentives.

Development Path: Historical NI 43-101 resources are being advanced through metallurgical testing and economic studies, positioning Lac Doré as a potential first Canadian vanadium mine.

Lac Doré — Flagship Vanadium Project

One of North America's Largest Vanadium Deposits



- **Location**
Chibougamau,
Québec
- **Historical Resource (NI 43-101)**
1.49 billion
pounds V_2O_5
- **Estimated Recoverable Vanadium**
~1.1 billion
pounds
- **Potential Output**
Enough vanadium
for 3 billion
litres of
electrolyte,
enabling ~60 GWh
of VRFB storage
capacity.
- **Estimated Mine Life**
Up to 40 years



Iron-T Project: Vanadium-Titanium-Iron Resource

Matagami district, Québec



- **Deposit Characteristics**

Features magnetite-hosted V-Ti-Fe mineralization within a geological system similar to Lac Doré.

- **Strategic Potential**

Offers additional feedstock for potential vanadium production with titanium and iron as co-products.

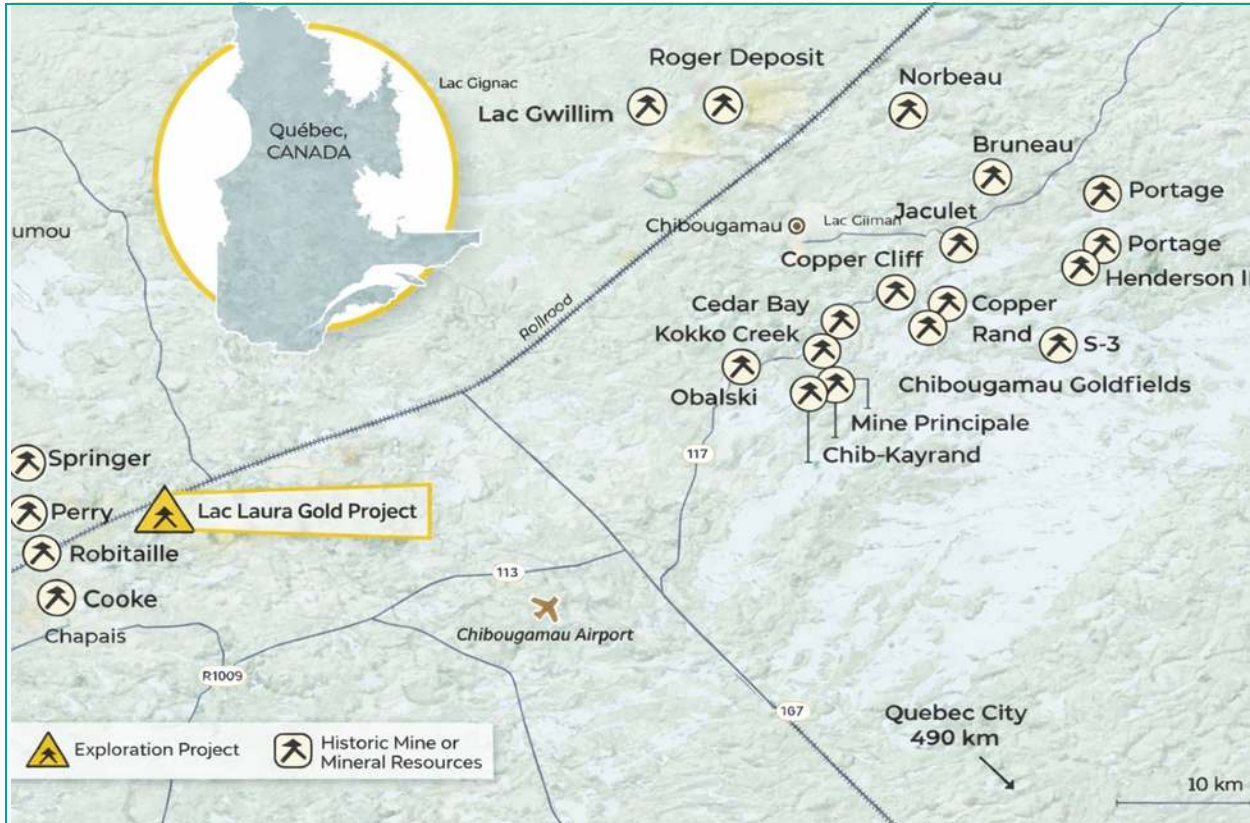
- **Regional Advantage**

Benefits from an established mining district with existing road access, power infrastructure, and an experienced workforce.



Lac Laura Gold Project

Precious Metal Exploration Asset



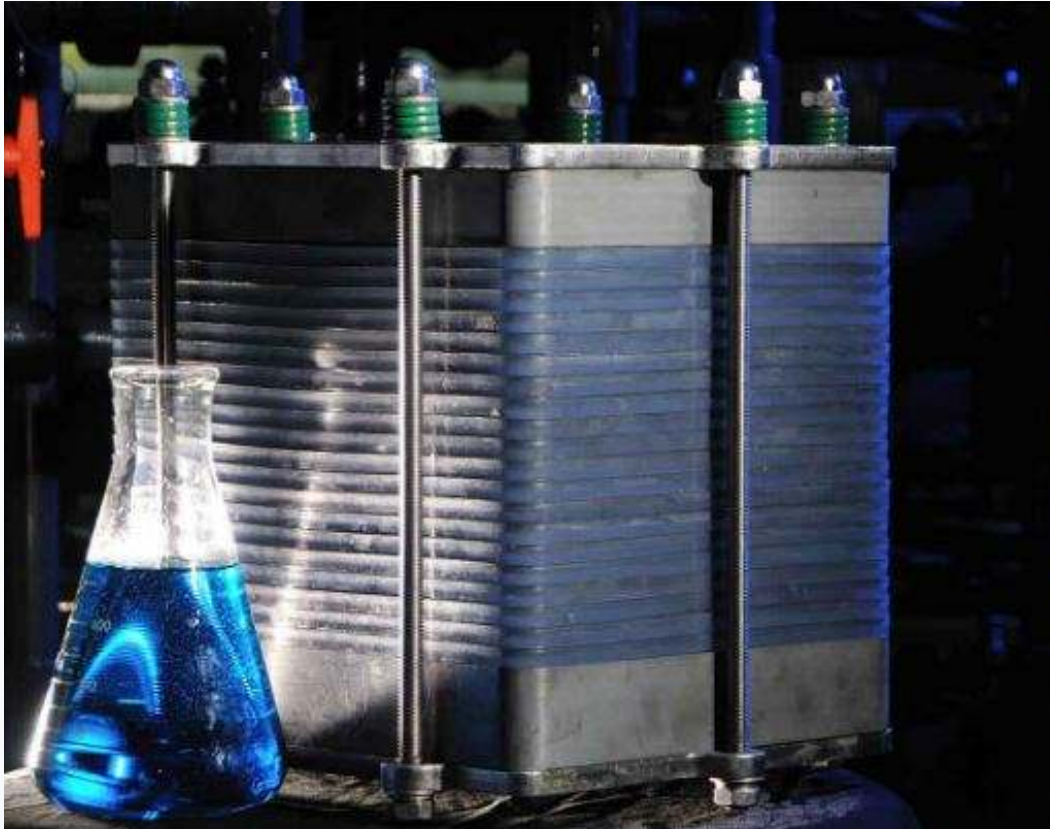
This asset provides optional value alongside the vanadium strategy.

- **Location**
Nord-du-Québec
- **Commodity**
Gold-Copper-Silver
- **Strategic Role**
Exploration upside and diversification of the mineral portfolio.
- **Exploration Mandate**
Financed to complete assessment including geophysical interpretations potential drilling, sampling and NI 43-101 technical report
- **JV Opportunity Available**
Joint Venture with a gold developer, exploration monetization, or resource expansion.



Integrated Mineral Strategy

V-Ti-Fe Resource Platform



- **Primary Product**

Vanadium is the main focus.

- **Co-products**

Titanium, Pig Iron, and Steel Alloy Feedstock are extracted as secondary products.

- **Strategic Advantage**

Enhances project economics through synergistic extraction and processing, creating diversified revenue streams and mitigating market risks.

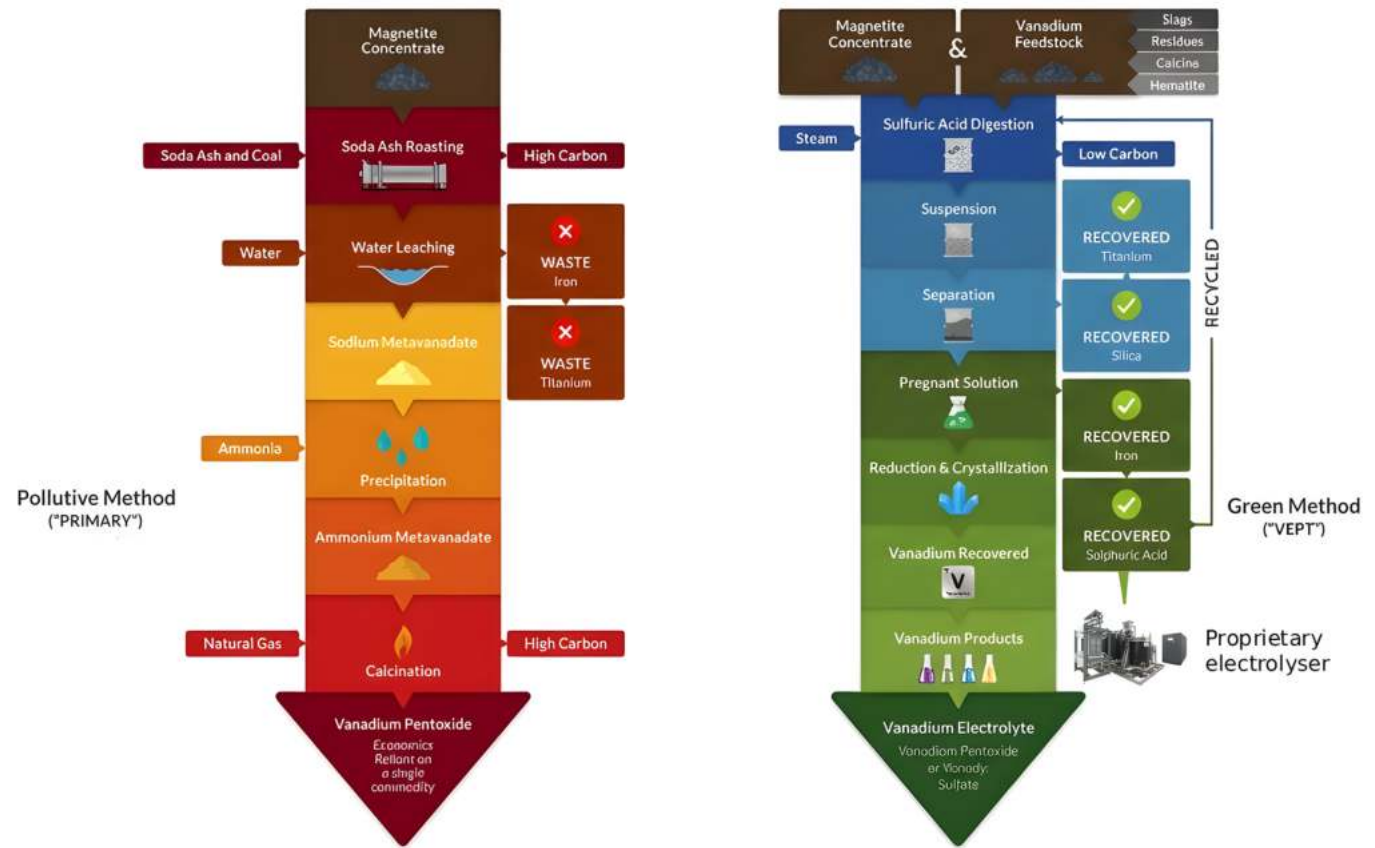
VanadiumCorp is developing an integrated resource base to maximize value from its V-Ti-Fe assets.



Process Overview

Visual Flowsheet From Feedstock to Energy Storage

- **Phase 1: Upstream (VEPT)**
Feedstock → Acid Digestion → Iron
Crystallization → Vanadium Concentrate.
- **Phase 2: Midstream (NEM)**
Vanadium Concentrate → NEM Electrolyser
→ Purification → Battery-Grade Electrolyte.
- **Phase 3: Downstream**
Direct integration into VRFB systems for grid-
scale and commercial energy storage.



IP Stack Part 1 — Proprietary Extraction

The VEPT Process



- **Patent Focus**

"Metallurgical and chemical processes for recovering vanadium and iron values" (US 2021/0230759 A1).

- **Versatile Digestion**

Sulfuric acid digestion capable of handling vanadiferous titanomagnetite (VTM) and other complex feedstocks.

- **Selective Recovery**

Electrochemical reduction and crystallization to separate high-purity iron (as ferrous sulfate) and concentrate vanadium.

- **Sustainable Advantage**

Proven high recovery rates with significantly lower carbon footprint than traditional roasting or leaching.



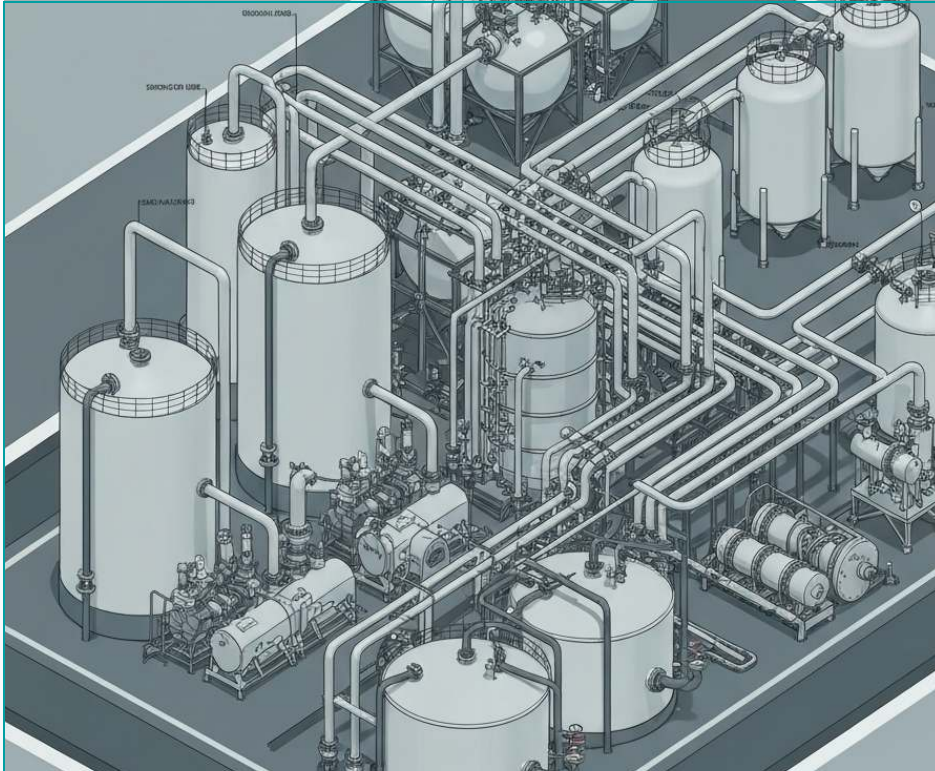
IP Stack Part 2 — NEM Electrolyte & Electrolyser Platform



- **Advancing Technology**
Proprietary electrochemical technology for the production of high-purity vanadium electrolyte.
- **NEM Electrolyser Design**
Specialized systems designed to convert vanadium feedstock into stable, battery-ready solutions with high efficiency.
- **Quebec Pilot Facility**
Advancing 250,000-litre-per-year production plant to demonstrate scalable production, purity control, and cost performance.
- **The Asset Model**
Enables business models such as electrolyte leasing, where the electrolyte is treated as a long-life asset rather than a consumable.

Electrolyte Production Platform: Industrial Processing

Scaling Demonstrated Capacity and Quality for the VRFB Industry



- **Pilot Plant**

Located in Val-des-Sources, Québec, with nameplate capacity of 250,000 L/year capacity.

- **Commercial Plant**

Targeted for 2028: Phase 1 capacity of 4 million L/year, expanding to 8 million L/year.

- **Strategic Purpose**

To supply the VRFB industry, validate Lac Doré feedstock, and secure North American electrolyte supply.

The platform is designed to meet the growing demand for VRFB electrolytes, leveraging local resources and ensuring supply chain security.





VANADIUM ENERGY
NORDIQUE INC.
GRID-SCALE ENERGY STORAGE

CORPORATE PRESENTATION

ESTABLISHING A NORTH AMERICAN, SUSTAINABLE SUPPLY CHAIN FOR HIGH-PURITY VANADIUM ELECTROLYTE

A **low cost, vertically integrated** approach to domestic vanadium electrolyte production, purpose built for next generation grid scale flow battery deployment.

99.5%
PURITY

VEPT
PROPRIETARY
PROCESS

CAD
DOMESTIC
SUPPLY CHAIN

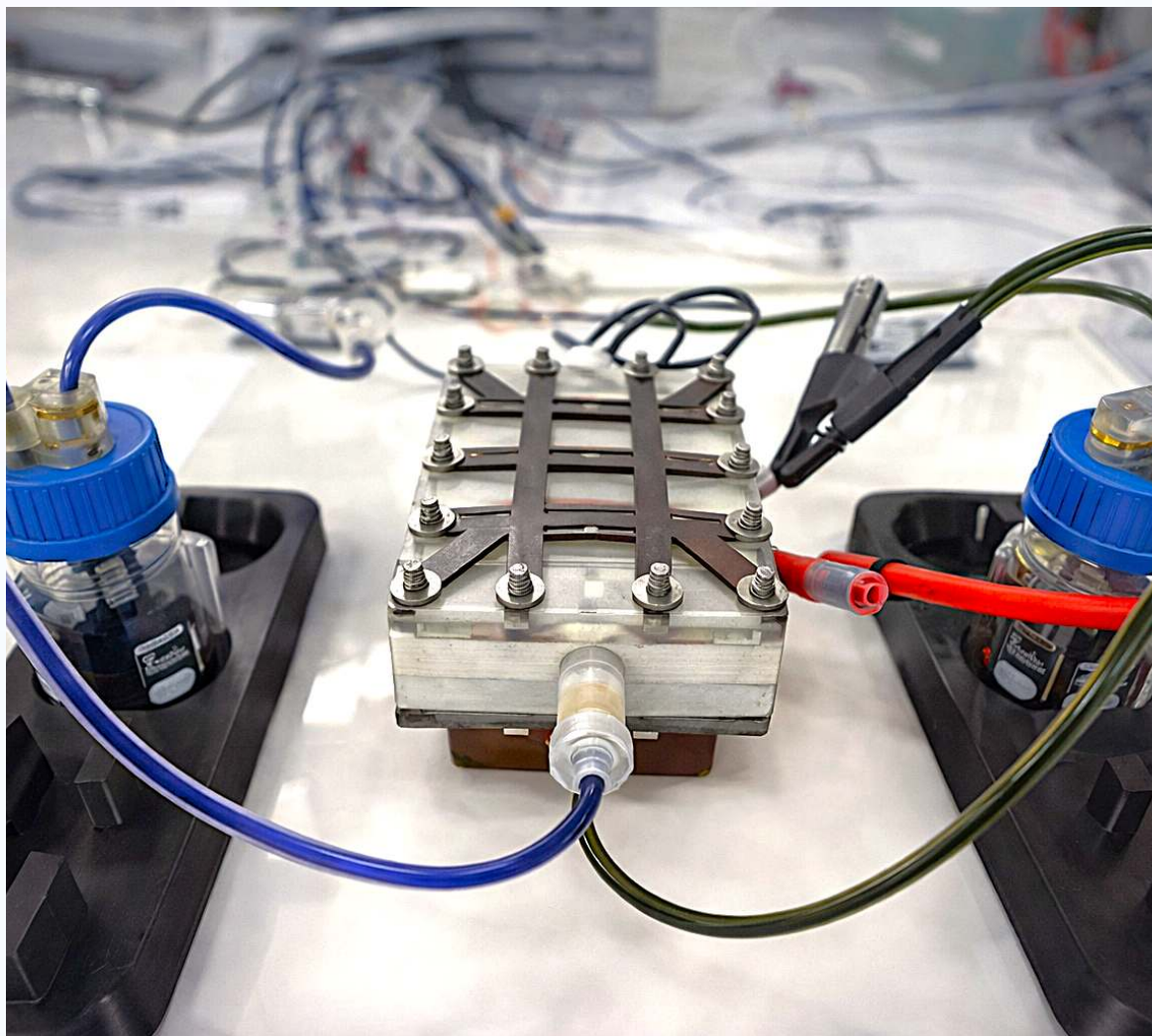
VRB
FLOW BATTERY
APPLICATION

PRESENTED BY
VANADIUMCORP RESOURCE INC.

TSX-V | **VRB**



12.5 kilowatt /40
kilowatt hour VRFB
system for delivery to
Ecosource (Cordeel NV,
in Temse, Belgium



Vanadium Redox Flow Batteries

The Critical Link — Vanadium Electrolyte

Vanadium electrolyte is the active energy storage medium of VRFBs. The energy resides in liquid vanadium ions circulating through the system, functioning as a reusable fuel that cycles indefinitely without degradation.

Key Metrics:

- **Cost Driver:** Typically represents ~40—60% of the total installed cost of a VRFB system.
- **Capacity Hub:** More than 90% of stored energy capacity resides in the electrolyte.
- **Durable Asset:** It does not wear out. It can be recovered, reused, and redeployed indefinitely, preserving 100% of its intrinsic metal value.

Regional Strength Quebec, Canada



Strategic Hub: Quebec offers a unique combination of rich vanadiferous resources, low-cost hydroelectric power, and a supportive critical minerals mandate.

Local Advantage: Eliminates logistics risks and carbon costs associated with overseas shipping.

Validation: Targeting validation and offtake with VRFB manufacturers in the North American market.



Global Reach — VanadiumCorp GmbH (Europe)



- **EU Strategy**

Platform to facilitate trilateral partnerships and maritime applications.

- **Grant Funding**

Utilizing the GmbH for EU grant applications (Horizon Europe, Innovation Fund, CRMA) to de-risk technology deployment.

- **Proximity**

Opportunity to demonstrate patented recovery technology and proprietary battery electrolyte capabilities that would support regional energy sovereignty.



VRFB Advantages : Scaling Grid Reliability

- **Performance:** Long operational lifetimes (25+ years) with minimal degradation and unlimited cycling.
- **Safety:** Non-flammable, water-based chemistry.
- **Scalability:** Independent scaling of energy capacity (tank size) and power output (stack size).
- **ESG:** 100% recyclable energy medium.



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**Clean Extraction +
Proprietary Electrolyser
+ Canadian Supply =
Future of Long-Duration
Energy Storage.**

Management & Board



Kristien Davenport - Chief Executive Officer & Director

- 24+ years experience in business development and corporate communications
- Appointed President in 2024; joined VanadiumCorp in 2023
- Background in advanced technologies including **Ballard Power Systems**
 - Leads corporate strategy, partnerships, financing, and investor relations



Tony Giuliano - Chief Financial Officer

- Chartered Professional Accountant (CPA/CA)
- 40+ years experience in financial management and corporate transactions
- Extensive background with **Canadian and U.S. public companies**
 - Oversees financial strategy, reporting, and corporate controls



Andre Gauthier - Independent Director

- **47+ years** in global mining exploration
 - Experience across **35+ countries**
- B.Sc. Geological Engineering, M.Sc. UQAC
- Founder of **Eval Minerals**, mining investment advisory firm

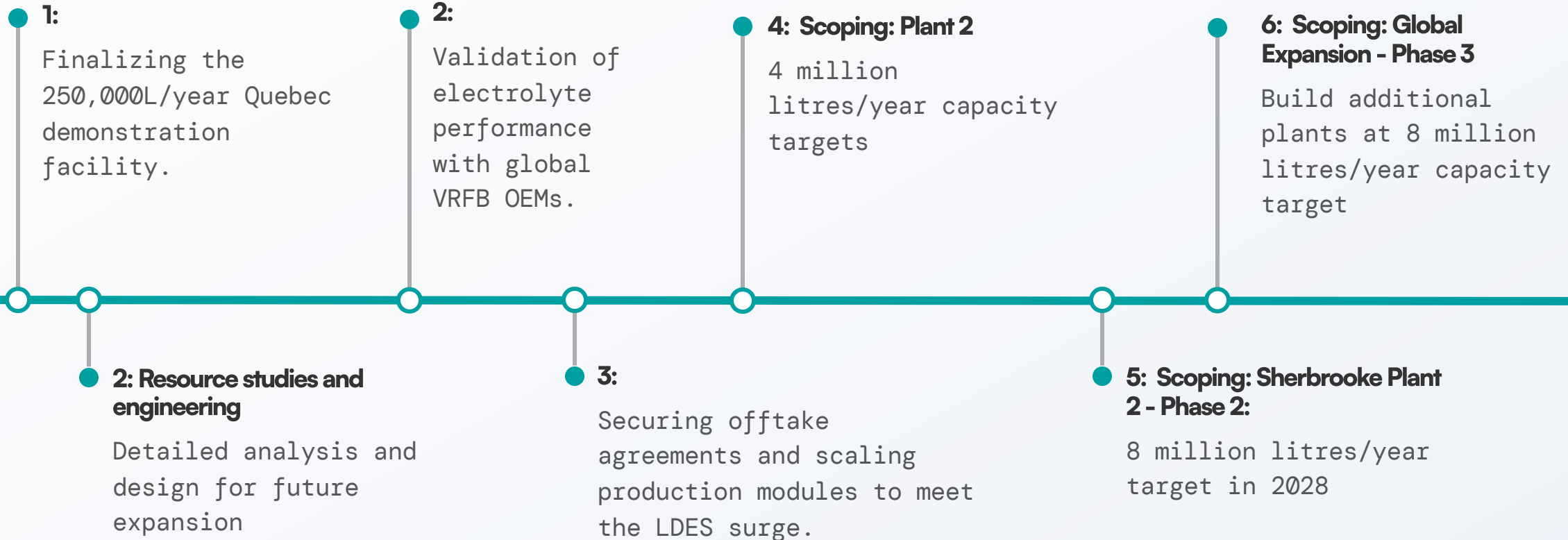


Dr. James Tansey - Independent Director

- Founder & CEO of **Carbon Done Right Developments**
- Former CEO of **NatureBank Asset Management**
- Expert in **carbon markets, sustainable finance, and clean energy**
- Advisor on critical minerals and advanced materials technologies



Roadmap & What's Next



A Vertically Integrated Vanadium Platform

In a Tier-1 Mining Jurisdiction



- **Extensive Resource Base**

One of North America's largest vanadium resources at the Lac Doré project.

- **Strategic Location**

Located in Québec, a Tier-1 mining jurisdiction with strong infrastructure and government support.

- **Integrated Production Platform**

Vertically integrated strategy combining mineral resources with vanadium electrolyte production.

- **Energy Storage Growth Exposure**

Direct leverage to the rapid expansion of long-duration energy storage and vanadium flow batteries (VFBs).

- **Dual Market Demand**

Vanadium benefits from high-strength steel alloys and grid-scale energy storage batteries.

- **Near-Term Catalysts**

Advancing metallurgical testing, updated NI 43-101 resource studies, and development milestones.

Forward-looking statement

This corporate introduction contains certain forward-looking statements and information relating to VanadiumCorp Resource Inc. ("the Company") and its operations that are based on the beliefs of its management as well as assumptions made by and information currently available to the Company. When used in this document, the words "anticipate," "believe," "budget," "estimate," "expect," "intends," "plans," "potential," "scope", and similar expressions, as they relate to the Company or its management and operations, are intended to identify forward-looking statements. These forward-looking statements or information relate to, among other things: the Company's future financial and operational performance; the sufficiency of the Company's current working capital, anticipated cash flow or its ability to raise necessary funds; the anticipated amount and timing of work programs; our expectations with respect to future exchange rates; the estimated cost of and availability of funding necessary for sustaining capital; forecast capital and non-operating spending; and the Company's plans and expectations for its property, exploration and community relations operations. These forward-looking statements and information reflect the Company's current beliefs as well as assumptions made by, and information currently available to the Company and are necessarily based upon a number of assumptions that, while considered reasonable by the Company, are inherently subject to significant operational, business, economic, competitive, political, regulatory, and social uncertainties and contingencies. These assumptions include: cost estimates for exploration programs and production facilities; cost of drilling programs; prices for vanadium, titanium and iron metals remaining as estimated; currency exchange rates remaining as estimated; capital estimates; our expectation that work towards the establishment of mineral resource estimates and the assumptions upon which they are based will produce such estimates; prices for energy inputs, labour, materials, supplies and services (including transportation); no labour-related disruptions at our operations; no unplanned delays or interruptions in scheduled work; all necessary permits, licenses and regulatory approvals for our operations being received in a timely manner and can be maintained; and our ability to comply with environmental, health and safety laws, particularly given the potential for modifications and expansion of such laws. The foregoing list of assumptions is not exhaustive. Forward-looking statements and information involve known and unknown risk, uncertainties, assumptions, and other factors which may cause the actual results, performance, or achievements of the Company to be materially different from any future results, performance or achievements expressed or implied by the forward-looking statements. Although the Company has attempted to identify important factors that could cause actual results or events to differ materially from those expressed or implied in the forward-looking statements, there may be other factors which could cause results not to be as anticipated, estimated, described, or intended. Investors are cautioned against attributing undue certainty or reliance on forward-looking statements or information. Forward-looking statements and information contained herein are made as of the date of this presentation, and the Company does not intend and disclaims any obligation to update or revise forward-looking statements or information, whether as a result of new information, future events, or to reflect changes in assumptions or in circumstances or any other events affecting such statements or information, other than as required by applicable law.





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