Discovery Corp Strategic. Sustainable. Growth.

titandiscovery.com

Feb 2025

Forward Looking Statement/Cautionary Statement



This presentation includes certain information and statements about management's view of future events, expectations, plans and prospects that constitute forward-looking information includes, but is not limited to, the completion of the work programs currently underway and the results of these programs. These statements are based upon assumptions that are subject to significant risks and uncertainties. Because of these risks and uncertainties and as a result of a variety of factors, the actual results, achievements, or performance may vary materially from those anticipated and indicated by these forward-looking statements. The material risk factors that could cause actual results to differ include the risk that work undertaken by the Company may have unintended effects, the risk of delays in completing work, and the risk that the Company may not be able to raise sufficient funds and Force Majeure.

Although the Company believes that the expectations reflected in the forward-looking information are reasonable, it can give no assurances that the expectations of any forward-looking information will prove to be correct. Except as required by law, the Company disclaims any intention and assumes no obligation to update or revise any forward-looking information to reflect actual results, whether as a result of new information, future events, changes in assumptions, changes in factors affecting such forward-looking statements or otherwise. All resource estimates quoted herein are based on prior data and reports obtained and prepared by previous operators and information provided by the State. Titan Discovery has not completed the work necessary to verify the classification of the mineral resource estimates. Titan Discovery is not treating the mineral resource estimates as NI 43-101 defined resources verified by a qualified person. The historical estimates should not be relied upon. These properties will require considerable further evaluation which TDC's management and consultants intend to carryout. The mineralized body referred to was derived by the previous operator by analyzing high resolution helicopter magnetic survey data. The data was conceptionally analyzed and modeled using Leapfrog and Inversion software. Remanent magnetism was also used to generate the model. Using this technique several models were produced. Titan Discovery Corp. verified that most of these models coincided with mineralization. The Mills (45 drill holes, 22 on Titan's ground), a resource was calculated by Rio Tinto in 1975, Springer (1 drill hole) and Lake Puyjalon (3 drill holes). All drill holes showed Ilmenite mineralization."

Qualified Person - James Turner, B.Sc., P.Geo. (BC) a "Qualified Person" under National Instrument 43-101, has reviewed and approved the scientific and technical information in this Corporate Presentation.

Developing World Class Titanium & Phosphate in Québec, Canada



Uffen Zone estimates show exploration potential for over a 1Bt of recrystallized zone within the Peninsula claim package, 4 km x 11km, open-at-strike and depth (400m – cutoff).

World-Class Titanium-Phosphate-REE Asset¹

Total Mineral Recovery of 40% (best in-class, double closest competitor) The recrystallized resource allows easy recovery of apatite (P2O5), ilmenite (TiO2), and magnetite (Fe)

The magnetite is at premium due to vanadium and scandium. 1% TREO in the apatite of 40% P2O5

 Saleable premium concentrate products: 40% phosphate with 1% TREO weighted towards heavy rare earths, premium iron-vanadium, and highgrade titanium

Tier-1 Jurisdiction

Operation costs are in the lowest quartile of the cost curve

Infrastructure

- 1 km to power
- 1-2km to connecting Hydro Quebec road
- 35km to port (Capacity: 50,000t and under expansion)
- Railways

Other value Propositions

World-class concentrate grades of 48% TiO2 and 40% P2O5 plus specialty metals products

Apatite (phosphate) non-contaminated with radioactive material (unlike Morrocco & Florida) + 30% Grade Premium



Overview

Community



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Exploration Agreement

Titan Discovery Corp. signed an exploration agreement with the Ekuanitshit Innu Community for the Uffen Zone on the Peninsula Property in Quebec.

Community Involvement

The Ekuanitshit Innu Community is actively involved, ensuring that exploration activities are conducted in a manner respectful of their land and cultural values.

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Cultural Considerations

The agreement includes provisions to address environmental impacts and protect cultural heritage, reflecting a collaborative approach to resource development.

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Objective

The agreement aims to facilitate advanced exploration and the first phase of drilling in this area, focusing on critical minerals such as titanium, scandium, vanadium, and phosphate.

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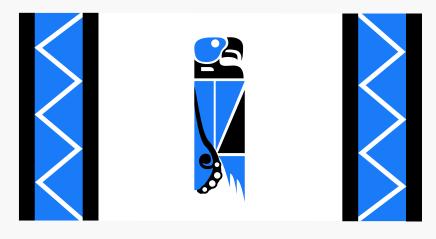
Strategic Importance

The Uffen Zone is part of a high-value mineral project, expected to contribute significantly to the local and national economy. Project is significant to Havre St. Pierre and the North Shore of Quebec.

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Economic Benefits

The partnership is designed to bring economic opportunities to the Ekuanitshit Innu Community, including potential job creation and infrastructure development.

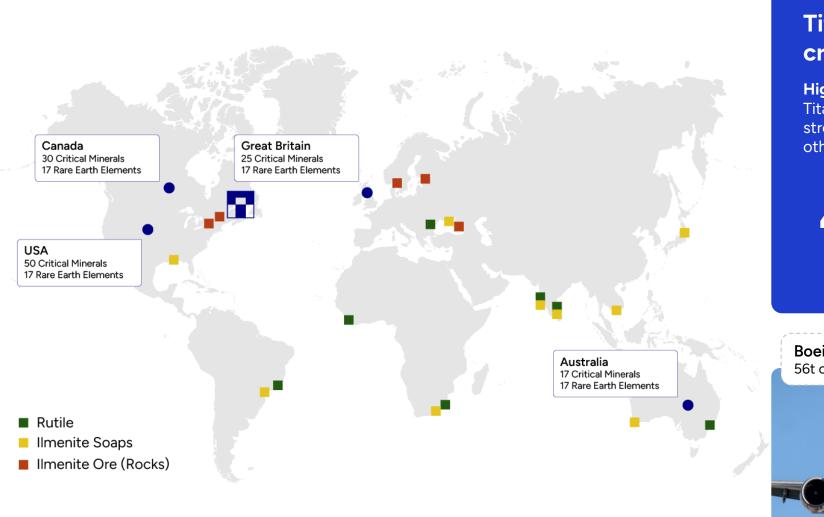




Global Need for Critical Metals

China & Russia control 70% of global titanium supply chain

Discovery Corp

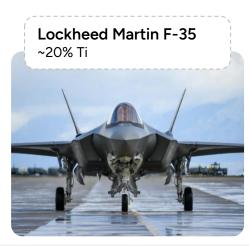


Titanium has properties that are critical across advanced industries

High strength-to-weight ratio Titanium alloys have a higher strength-to-weight ratio than other metal alloys **Corrosion resistant** Long-life products that don't require upkeep

45% lighter than steel **3-5x** Stronger than steel

Boeing 777x 56t of Ti used in production





Corporate Strategy: Jurisdiction, Asset and Capability

Leveraging asset qualities, jurisdiction and capability to develop a North American titanium-phosphate supply chain.

Jurisdiction

Premium asset security with opportunity to provide North American supply chain

- Tier-1 mining jurisdiction
- Government funding and regulatory priorities to enable capabilities for fully integrated North American supply chain
- Well-established mining framework, financial stability and asset ownership
- Access to unique funding methods and tax-benefits.
- Part of Plan Nord, the Quebec Government's northern development initiative for sustainable development.

Titan's Assets

High-grade, tonnage and mineral composition

- Uffen Zone provides a unique value proposition with structure anomalies, high-grades, tonnage and rare-earth composition (1% TREO)
- Expansive portfolio across Quebec, including titanium, phosphate and REE's
- Total Mineral Recovery (Ilmenite, Magnetite) at a best-in-class 40%¹
- Apatite (phosphate) non-contaminated with radioactive material (unlike Morrocco, Florida, etc).

Skill Set

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Leverage Titan's technical teams to define resource with world-class output

- Significant insider ownership exceeding 55% and a planned liquidity event via go-public transaction
- Multiple exploration projects covering a broad range of mineral classes (Ti, Fe, P, V, Sc, & REEs)
- Executive team with decades of experience in Exploration, Production, Management, and Capital Markets
- An experienced metallurgical team with expertise in the steel, pigment, titanium metal industries, and strong knowledge of fertilizers and battery metals.

The Titan Portfolio - Québec



Peninsula Property (Flagship Property)

- **Status:** Advanced Exploration project undergoing resource definition and engineering. Option to own 100%
- **Deposit:** Exploration potential of over 1bt tonnes with world-class exploration grades of up to 40% TiO2 and 60% Fe2O3T



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Uffen Zone (Exploration Priority at Peninsula Property)

Status: Maiden Drilling Campaign completed May 2024.

Deposit: 400 Mt recrystallized structure with sampled grades of 11% apatite, 13.45% ilmenite plus scandium, vanadium, & REEs to produce premium 48% TiO2 and 40% P2O5 concentrates



Status:	Exploration Project, 100% wholly owned
Deposit:	Resource potential of 3.5 Mt of 0.31% NB2O5, 0.22% NB, 0.39% rare earth oxides
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Lac Couillard Property (Exploration Target)

Status: Exploration Project, 100% wholly ownedDeposit: 100m x 60m 4.53% TREO | 180m x 70m 6.13% TREO



Titan's Supply-Chain (Apatite Focus)



40% Total Mineral Recovery of salable products without requiring secondary transformation.

Apatite (Phosphate) Proposed Outlets ¹					
Primary Transformation		Primary Transformation		Primary Transformation	
Rock Blasting		Apatite	Phosphoric Acid	Apatite	Phosphoric Acid
Crushing			High Purity Phosphoric Acid		High Purity Phosphoric Acid
			Gypsum for drywall and potato fertilizer		· · · · · · · · · · · · · · · · · · ·
Grinding			Magnetite of over 65% +total Fe		LiFePO4 Crystallizer
Magnetic Separation	Magnetite – Fe (67%) + scandium / vanadium by-products	A Realized	Ilmenite 48%+ TiO2, acceptable		Explosives
Gravity Separation	llmenite – TiO2 (45%+)		for chloride process Apatite over 41%+ P2O5, very		Gypsum for drywall and potato fertilizer
Floatation	Apatite – P2O5 (40%+) with 1% TREO		clean		REE Recovery

Figure: unique recrystallized formation allows the recovery of magnetite for iron making, ilmenite for use by the TiO2 pigment producers, and P2O5 which can be recovered without the traditional concentrating steps by reducing Ti and Fe to below 5%.

Titan's Peer Group Comparables



Company	Enterprise Value CAD\$	Top-10 Mining Jurisdiction ¹	Tier-1 Mining Potential ¹	Simple Processing	High-Grade Material	Critical Minerals (By- Products)	Infrastructure	Process Equipment Rebate (Grant) ³
				Producers				
Rio Tinto (LSE:RIO) Share Price: 5,096 GBX Market Cap: 86.79bn	155bn	~	S		v			
Iluka Resources (ASX:ILU) Share Price: 10.80 AUD Market Cap: 4.74bn	4.4bn	\bigcirc	0				I	
Kenmare Resources (LSE:KMR) Share Price: 382.50GBX Market Cap: 407.50m	623m		Ø		O		⊘	
			Feasibility S	Studies and Metallurgica	l Testing			
Strategic Resources (TSX.V:SR) Share Price: 1.77 CAD Market Cap: 111.73m	104m		⊘		O			
Bluejay Mining (LSE:JAY) Share Price: 1.66GBX Market Cap: 19.08bn	28.64m		•		•			
			Premilitar	y Economic Assessment	: (PEA)			
First Phosphate (CSE:PHOS) Share Price: 0.19 CAD Market Cap: 9.85m	18.73m	\bigcirc			•			
Drilling & Metallurgical Studies								
Titan Resources (Private)	40.6m	 ✓ 	\checkmark	\checkmark	 ✓ 	 ✓ 	S	 ✓

¹ Majority of projects in Top 10 mining jurisdictions, as outlined in the Fraser Institute Annual Survey of Mining Companies 2022 included: Nevada, Western Australia, Saskatchewan, Newfoundland & Labrador, Colorado, Northern Territory, Arizona, Quebec, South Australia and Botswana ² Tier-1 mining projects are deemed to be large, long-life projects and low cost. These are deemed company making mines where operating costs are in the lowest quartile of the cost curve ³ Process Equipment Rebate offers 30% grant for mines above the 49th parallel.

Asset: Peninsula Property

Flagship Project

Sizable tonnages of potentially commercially viable minerals to justify proceeding to resource drilling in 2024 and a Preliminary Economic Assessment (PEA) in 2025.

Project Summary

Location:	Havre St-Pierre, Quebec
Primary Metals:	Titanium, Vanadium, Scandium, Phosphate and REEs
Ownership:	Option to own 100%

Geology & Metallurgy

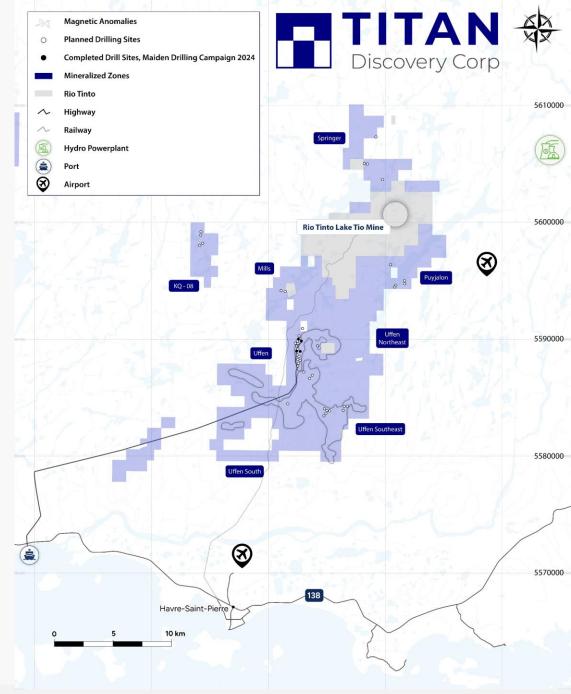
Sampling of titanium bearing rocks from the Peninsula Project have returned results as high as:

- 11% apatite, 13.45% ilmenite and significant scandium, vanadium, & REEs in the Recrystallized Zone resulting in world class concentrate grades of 48% TiO2 and 40% P2O5 plus specialty metals products.
- As high as 40% titanium oxide, 0.2% vanadium, and 61.5% iron oxide (common mineralization of over 90% combined hemo-ilmenite) in the Massive Ilmenite Zones.

Upcoming Generative Activities

- Maiden drilling campaign on Uffen Zone, targeted drill holes in Mills Cluster.
- Third Exploration Program: Q1-Q3 2024
- Identified H1 2024 drill targets with the goal of defining an initial NI 43-101 resource of 200Mt.





Asset: Uffen Zone Priority Mineralized Zone



Exploration potential for over a 1Bt of recrystallized zone within the Peninsula claim package, 4 km x 11km, open-at-strike and depth (400m – cutoff).

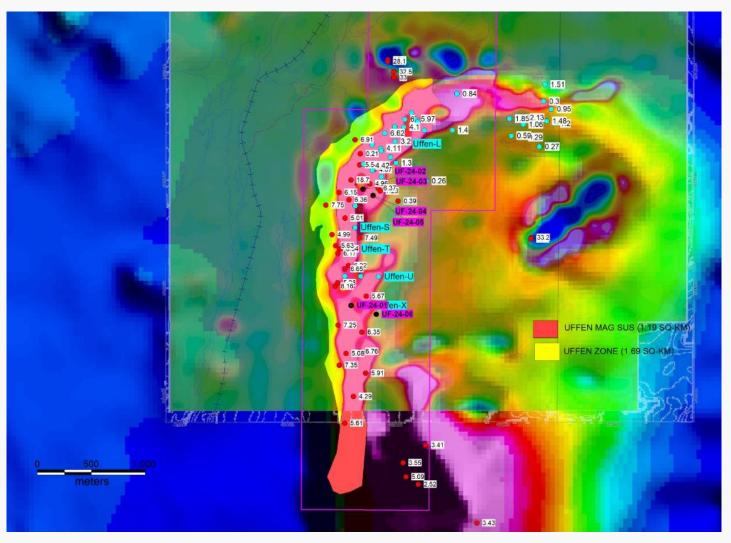
Project Summary			
Location: Peninsula Property			
Primary Metals:	Titanium, Phosphate and REEs		
Ownership:	Option to own 100%		

Geology & Metallurgy

The recrystallized formation allows for recovery of 3 completely different products of premium high purity as follows: high purity apatite for phosphate needs of North America without radioactive elements and compatible for fertilizer, high purity phosphoric acid and other products. 4.22% P2O5 or 11.12% apatite. Rare earths elements concentrate in the apatite allowing for additional production streams. High Purity ilmenite low in alkaline metals making it compatible for the chloride process. 6.46% TiO2 or 13.45% ilmenite concentrating to 48% TiO2. Ideal for North America needs as well as Western Europe. High Purity Iron concentrate compatible for the steel industry with negligible TiO2 and high in Vanadium and Scandium.

Upcoming Generative Activities

Maiden drilling campaign on Uffen Zone, targeted drill holes in Mills Cluster. Third Exploration Program: Q1-Q3 2024 Identified H1 2024 drill targets with the goal of defining an initial NI 43-101 resource of 200Mt.



Assets: Other Properties

Greenfield Exploration

Titan has a diverse portfolio of greenfield assets throughout Quebec, Canada







Advanced Red Lake Property, NB | REE's

The Advance Property hosts the Advance REE deposit with a historical resource estimate 3.5 million tonnes of 0.31% NB2O5, 0.22% NB%, 0.39% rare earth oxides based on the results of 9 diamond drill holes completed in 1954. The property is located within the Oka carbonatite complex which is considered the most viable host for rare earth elements discovery in the region.

Location: Oka Carbonatite Complex Primary Metals: Niobium, REEs Ownership: 100%

Lac Couillard Property, TREO | Fe, Ti

Analytical results of 173 rock samples from the property define several mineralized zones of more than 1.0% in total rare earths oxide (TREO). In sector A (Lalande center), five mineralized zones (Zones Al to A5) have been identified with grades up to 6.73% TREO. The main mineralized zones Al and A2 have dimensions of approximately 100m x 60m and 180m x 70m, respectively, with maximum grades of 4.53% and 6.13% TREO.

Location: La Romaine, Lower North Shore Region Primary Metals: TREO's, Fe, Ti, REEs Ownership: 100%



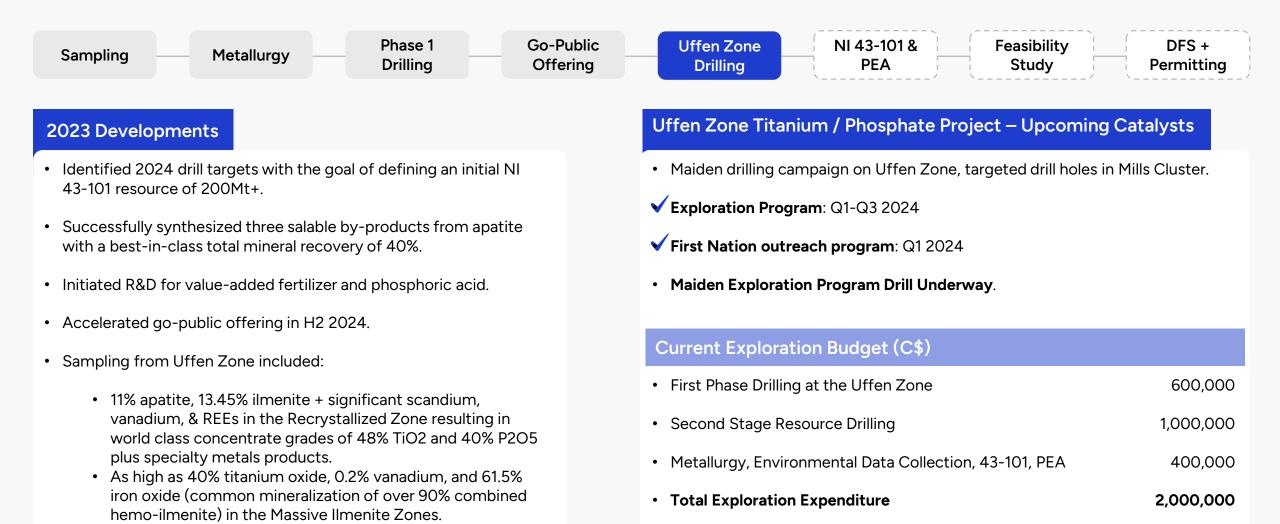
Coconipi Property, REE's | B

The analytical results of several Lake bottom sediment samples collected from the property area have made it possible to define four target areas with Boron values up to 60 times background with one location returning the highest boron value in Lake bottom sediment samples in the province of Quebec. The anomalous Boron and other 20 elements recognized in lake bottom sediment samples on the Coconipi Property are possibly associated with altered monzonite or metamorphosed gneissic granitic rock units.

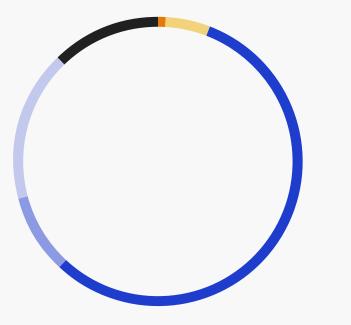
Location: La Romaine, Lower North Shore Region Primary Metals: Boron, REEs Ownership: 100%

Key Upcoming Catalysts





Share Structure and Financial Information



FT Shares 1%

Series B 5%

Management & Insiders **56%**

Property Commitments 9%

Friends & Family 17%

Series A 12%

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Share Capitalization

Common Shares	80,994,759
Warrants	36,499,016
Total Fully-Diluted Shares	117,493,775

Warrant Structure				
	Units	Term (months)	Price (CAD)	Cash (\$M)
Founders	22,500,000	60	0.15	3.375
Series A	9,750,000	36	0.15	1.462
Flow-through	434,000	24	0.18	0.078
Series B	3,815,016	24	0.45	1.716



Investment Highlights

Strong Ownership	Resource Quality	Experienced Executive Team
Strong Ownership and Upcoming Liquidity Event	Exceptional Resource Quality and Recovery	Experienced Executive Team and Premium Products
 Significant insider ownership exceeding 55% Planned liquidity event via a go-public transaction 	 World-class concentrate grades: 48% TiO2 and 40% P2O5, plus specialty metals products. Total Mineral Recovery of 40%, best in class and double the closest competitor. The recrystallized resource allows easy recovery of magnetite (Fe), ilmenite (TiO2), and apatite (P2O5). Uffen Zone has a unique and high-value orebody, while other zones have the equivalent of Rio Tinto's massive titanium-iron deposit. 	 Executive team with decades of experience in exploration, production, management, and capital markets. Apatite (P2O5) is non-radioactive (only in class), allowing a 30% premium. Magnetite is at a premium due to vanadium and scandium, with 1% TREO (majority heavy REEs) in the apatite of 40% P2O5. Located in a Tier-1 mining jurisdiction with excellent infrastructure.

Management



David B. Jackson – Executive Chairman, Co-Founder

Mr. Jackson's business experience spans over 50 years. He commenced his business career as a heavy machinery representative for a major international capital equipment manufacturer, where he gained high-level expertise in the resource sector. Mr. Jackson has focused on the resource sector as an independent consultant, company founder, director and officer providing management, investor relations and fund-raising. He has broad experience planning, negotiating, and launching projects internationally and has extensive contacts in Europe and the UAE.

Frances Petryshen – Corporate Secretary, Director

Ms. Petryshen brings over 30 years of management experience specializing in corporate and regulatory compliance and governance for public, private and not-for-profit organizations. She has held roles as Director, Corporate Secretary, Compliance Officer, and CFO for many entities throughout her career. (TSXV: VRR), Snowline Gold Corp. (CSE: SGD), Caravel Law and several private companies. More recently, she was Corporate Secretary for Balmoral Resources Ltd. until Wallbridge Mining acquired it in May 2020. Ms. Petryshen is a Chartered Secretary, Accredited Director (Acc.Dir.) and a Fellow with the Chartered Governance Institute of Canada (FCG), where she served as President and Director of the British Columbia branch of the Institute for over 10 years.

Richard B. Simmons - Senior Advisor

Richard was born and educated in England. He served 17 years as an officer in the British Armed Forces, resided and worked in the Sultanate of Oman for 25 years, and worked in Dubai/U.A.E. for 18 years. Richard has broadly based experience, including creating and managing business projects and operations throughout the Middle East. Africa, Australia and China. He has vast experience with business and industrial projects, including shipping, civil construction, engineering, oil & gas service (both upstream and downstream), hospitality and entertainment, farming & agriculture, fisheries, manufacturing, real estate and mining. Richard has provided private security advice and physical services for governments multinational companies, NGOs and VIPs in Oman, Somalia, Afghanistan, Iraq, Jordan, Libya, and Uganda.

Ryan K. Jackson – Director, Co-Founder

Ryan Jackson is currently the President and CEO of Newlox Gold Ventures Corporation, an ESG-focused and sustainable junior gold producer listed on the Canadian Securities Exchange. He holds two degrees from McGill University, Montreal, Canada: one in environmental science, with an emphasis on the environmental determinants of human health, and another in political science. His past roles in the mining industry have included working in the field with geologists and mining engineers, investor relations, corporate development, financing, and management.

Enrico di Cesare - COO

Mr. Di Cesare has over 35-years' experience in Executive Management positions, including complementary experience in Mining, Mineral Processing, Hydro Metallurgy, Pyro Metallurgy, Operations, Turnkey Projects, and supply-chain commercialization. He has patented unique processes for iron making & ferro alloys, titanium metal, and lithium resources and battery recycling. These technologies complement fertilizer byproducts for Titan Discovery Corp., with the intended production of apatite (phosphate), ilmenite (titanium), and magnetite (iron). Mr. Di Cesare is currently the President of NGSI Steel Inc., a holding company for new iron making technologies, as well as VP of Metallurgy at St. George's EcoMining and the CEO of their wholly owned subsidiary EVSX for battery recycling.

Directors & Advisors



David Carkeek – CFO, Director

Mr. Carkeek has over 32 years of experience in business management, entrepreneurial ventures and the founding of a successful franchise chain. Dave's foundations were set in the late '80s as a Senior Program Consultant to the Ontario Hospital Association where he managed a \$10 million annual provincial fund to encourage hospitals and health care facilities to introduce and establish management systems, processes and procedures that would lead to more cost-effective uses of resources. He gained insight into identifying significant needs and trends in the industry and oversaw the creation of new policies and corporate strategies to address these needs.

Gary MacDonald – Director

With more than 30 years of experience in the Natural Resource and Investment Banking sectors, Mr. MacDonald possesses an extensive background in mining as well in finance. His roles and involvement have been all encompassing, ranging from the field to boardroom which have included; initial pre-start-up assessment, structuring, due diligence, financing, exploration, development, operations, production, and negotiating asset / company buyouts. He currently serves on the board of several public and private companies with extensive international exposure.

Peter Rees – Corporate Advisor

Peter Rees is a corporate development and finance executive with over 18 years of experience in the capital markets and the mining industry. Mr. Rees is currently Vice President of Corporate Development of the Madison Group, a private capital group with significant operating investments in Technology, Media, Industrial Engineering, and Commercial Real Estate. Peter manages capital raises, mergers and acquisitions and strategic partnerships across a portfolio of businesses, including Northern Miner Media group, which forms part of Madison's investment in Glacier Media Inc. Prior to joining the Madison Group, Peter spent 15 years in the mining industry where he was Chief Financial Officer for a number US and Canadian publicly listed mining companies and a principal shareholder of the UMS Mining Group. During his tenure, the UMS Mining Group raised over \$500 million in equity to fund the development of several successful mining companies, including Asanko Gold Inc. (now Galiano Gold Inc), Cayden Resources Inc. (sold to Agnico Eagle in 2014 for \$200 million) and Auryn Resources Inc. (now Fury Gold Mines Inc.).

Gary Perkins – Head of Investor Relations

Gary Perkins joined TDC with decades of experience in the capital markets. Gary has assisted more than 50 companies during the past 30 years in go-public transactions in Canada via IPO or Reverse Merger/RTO - advising on more the US\$500M in equity capital raised. As President & CEO of Tekkfund, an advisory company, Gary brings a strong investor following, allowing invaluable connections to market makers and high net-worth investors.

Tarrnie M. Williams – Business Advisor

Tarrnie is an experienced executive with a 60-year career in mining and technology. He founded Canada's first public software company and was CEO of Electronic Arts Canada. Tarrnie holds a B.Sc. in Mathematics from the University of Alberta and has served on the boards of several public and private companies. Currently, he is the Executive Chairman of Kidoz Inc. (TSXV: KIDZ), an AdTech software developer.

James A. Turner – Geologist, Advisor

James Turner's geology career has spanned more than 42-years commencing in 1974 when he worked with Cominco and Newmont Gold before forming his consultancy; TerraSat Geomatics Inc. in 1990. TerraSat Geomatics Inc. has worked with several juniors involved in greenstone belts around the world. Terrasat was involved in the interpretation of remote sensing data. From 2004-2006, James gained valuable first-hand knowledge in Central America, providing valuations and NI 43-101 reports for the several small 100-150 tonne projects. In addition to assisting Newlox, James advises on a gold project in South Africa, copper deposits in Namibia and British Columbia, tailings deposits in Nova Scotia, Oregon and Peru.



Environmental, Social, and Corporate Governance



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Zero Hunger

TDC will produce an industry-leading low-carbon footprint phosphate product without the heavy metals and radioactive contamination issues associated with the leading current suppliers. By providing a clean phosphate supply, TDC will enhance global food security while upgrading the current environmentally and socially problematic supply chain.

Climate Action

TDC plans to implement unique technology to produce the lowest carbon footprint products on the market. This includes low-carbon titanium for efficient transportation, low-carbon fertilizers to empower farmers, and carbon negative iron products to decarbonize the construction and manufacturing industries. By producing these materials in North America, TDC will reduce the carbon footprint of global transportation and provide local industries with a sustainable option for development

Ethical Business Practices

TDC is committed to sustainable development to relieve poverty, empower communities and individuals, and develop strong sustainable communities. The Company's project will provide decent work and economic growth in northern communities and provide opportunities and benefits to diverse stakeholders

Affordable and Clean Energy

TDC's products are designed to empower the green transition by producing phosphate for lithium-iron-phosphate batteries for carbon neutral transportation and vanadium for vanadium redox flow batteries for storing renewable energy to support a decarbonized grid

TITA Discovery Corp

Get in Touch

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