



SILICON

METALS CORP

siliconmetalscorp.com

CSE:SI | FSE:X6U0

Q4 2025

Focused on Developing
Sustainable High-Purity Silica
Solutions and Opportunities
for a Greener Future



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Forward Statements Include

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The material assumptions upon which forward-looking statements in this Presentation are based include, among others, assumptions with respect to: the Company’s business strategy and competitive position, development and commercialization plans and objectives being as anticipated; the size and growth trends of the global silica industry being as anticipated; management’s beliefs on the production, applications and growth of silica, including its role in modern infrastructure, technology, healthcare sectors, sustainable development, lithium-ion batteries, electric vehicles, photovoltaic technology being as anticipated; and management’s belief that the Company is poised to potentially revolutionize the production and application of silica and the silica project being suitable to meet a potential growing demand being as anticipated.

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Although the Company has attempted to identify important factors that could cause actual results, performance or achievements to differ materially from those contained in the forward-looking statements, there can be other factors that cause results, performance or achievements not to be as anticipated, estimated or intended, including, but not limited to: the Company’s business strategy and competitive position, development and commercialization plans and objectives not being as anticipated; general economic and political changes impacting the silica market; regulatory changes impacting the growth of the silica market; the size and growth trends of the global silica industry not being as anticipated or at all; unanticipated costs; management’s beliefs on the production, applications and growth of silica, including its role in modern infrastructure, technology, healthcare sectors, sustainable development, lithium-ion batteries, electric vehicles, photovoltaic technology not being as anticipated or at all; and management’s belief that the Company is poised to potentially revolutionize the production and application of silica and the silica project being suitable to meet a potential growing demand not being as anticipated or at all.

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Adrian Smith, P.Geo., a Qualified Person as defined by NI 43-101, has reviewed and approved the scientific and technical information disclosed in this presentation. Historical information contained in this presentation cannot be relied upon, as Mr. Smith has not prepared nor verified such historical information.

Silicon Metals Corp's management envisions a groundbreaking shift in how this critical mineral is produced and applied, potentially positioning themselves at the forefront of industry innovation.



High Purity Silica – Silicon Metal

Essential for transitioning to a low-carbon, green economy.



Essential for EVs and Energy

Silica is crucial for EV batteries, semiconductors, and renewable energy.



Growing Demand for Silicon Metal

Demand is expected to rise with emerging technologies.



Important for Multiple Industries

Vital for solar, semiconductors, aerospace, automotive, and batteries.

Silica, in one form or another, is used in more ways than any other material except water and air.¹

Silica plays an important role in modern infrastructure, technology, and sustainable development.

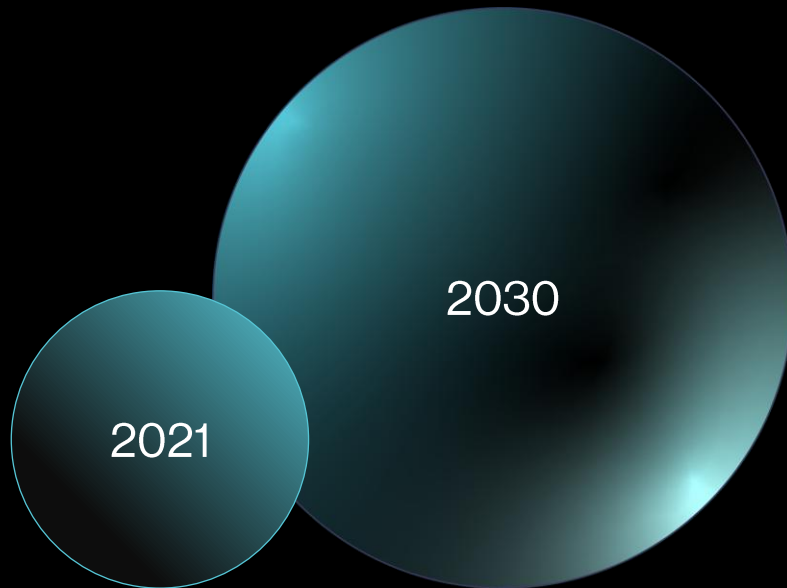


Key Factors

Expected Market Growth²

The company believes the silica market is on an impressive trajectory, expected to soar from

\$15.2B in 2021 ➤ \$23.4B by 2030



Investment Potential

This projected growth could present an exciting opportunity for investors looking to capitalize on the expanding demand for silica across various industries.

Driving Factors:

Expected increase in market value is driven by the increasing applications of silica in:

- Technology,
 - Renewable energy,
 - Construction, and
 - Healthcare sectors,
- highlighting its versatility and essential role in modern innovation.

Strategic Importance

As a critical mineral, Silicon, with the use of high purity silica which is refined and recognized globally, making it a key player in the ongoing advancements in multiple high-demand sectors.

Management believes this potential increase of nearly 50% in market size within a seven-year period underscores silica's critical role in modern industries and highlights potential opportunities for investors and businesses in this sector.

The Versatile Mineral Powering Our Technological Future

Management believes the unique properties of silica and the projected growth presents a potential exciting opportunity for investors looking to capitalize on the expanding demand for silica across various industries.



Cutting-edge Technology



Renewable Energy



Construction



Automotive



Health Care



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Silicon as a Critical Mineral

The EU declared Silicon a critical raw material as a wide range of modern technologies depend on it to make various industrial and consumer products. ^{4 5}

Silicon was added to US Department of Energy (DOE) List of Critical Materials for Energy list in 2023. ⁶

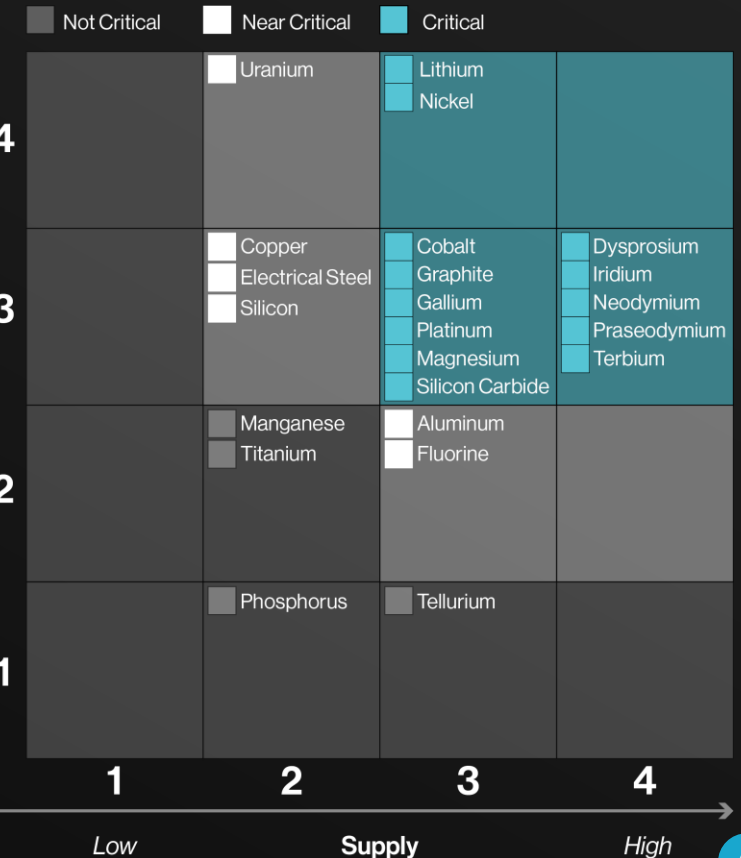
Silicon metal was added to the Canadian critical minerals list in 2024. ⁷



Share by Region, 2022 (%)



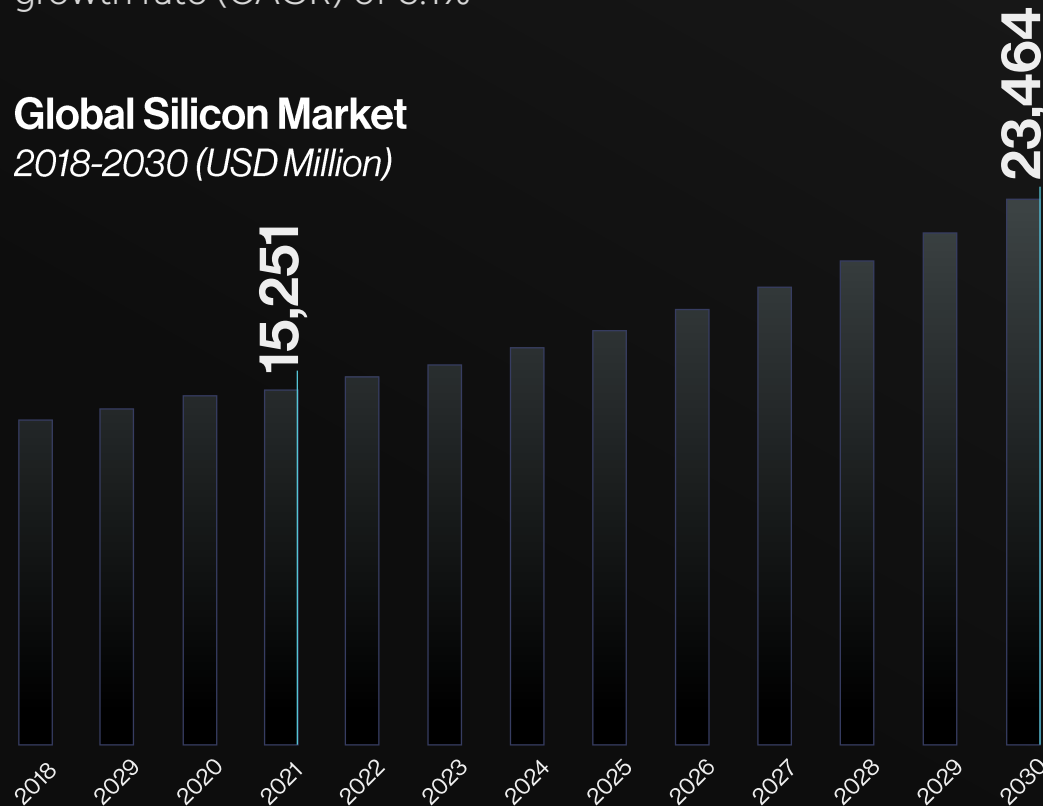
US Critical minerals assessment³



Semiconductor and AI use²

In 2021, the global silicon market was valued at approximately \$15.2 billion and is expected to reach \$23.4 billion by 2030, growing at a compound annual growth rate (CAGR) of 5.1%

Global Silicon Market
2018-2030 (USD Million)



Please refer to slide 29 where all sources are held

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As technology advances and the need for more efficient electronic devices increases



The Taiwan Semiconductor Manufacturing Company (TSMC) makes all of the world's advanced AI chips. Most importantly, this means Nvidia's GPUs; it also includes the AI chips from Google, AMD, Amazon, Microsoft, Cerebras, SambaNova, Untether and every other credible competitor⁸

Fast Growing Market

AI Chip Market⁹

\$20.28B

AI chip market revenue in 2023

38.16%

Projected CAGR from 2024 to 2033

\$513.97B

Estimated market size by 2033

Semiconductor Market¹⁰

\$611.35B

Global market size in 2023

\$681.05B

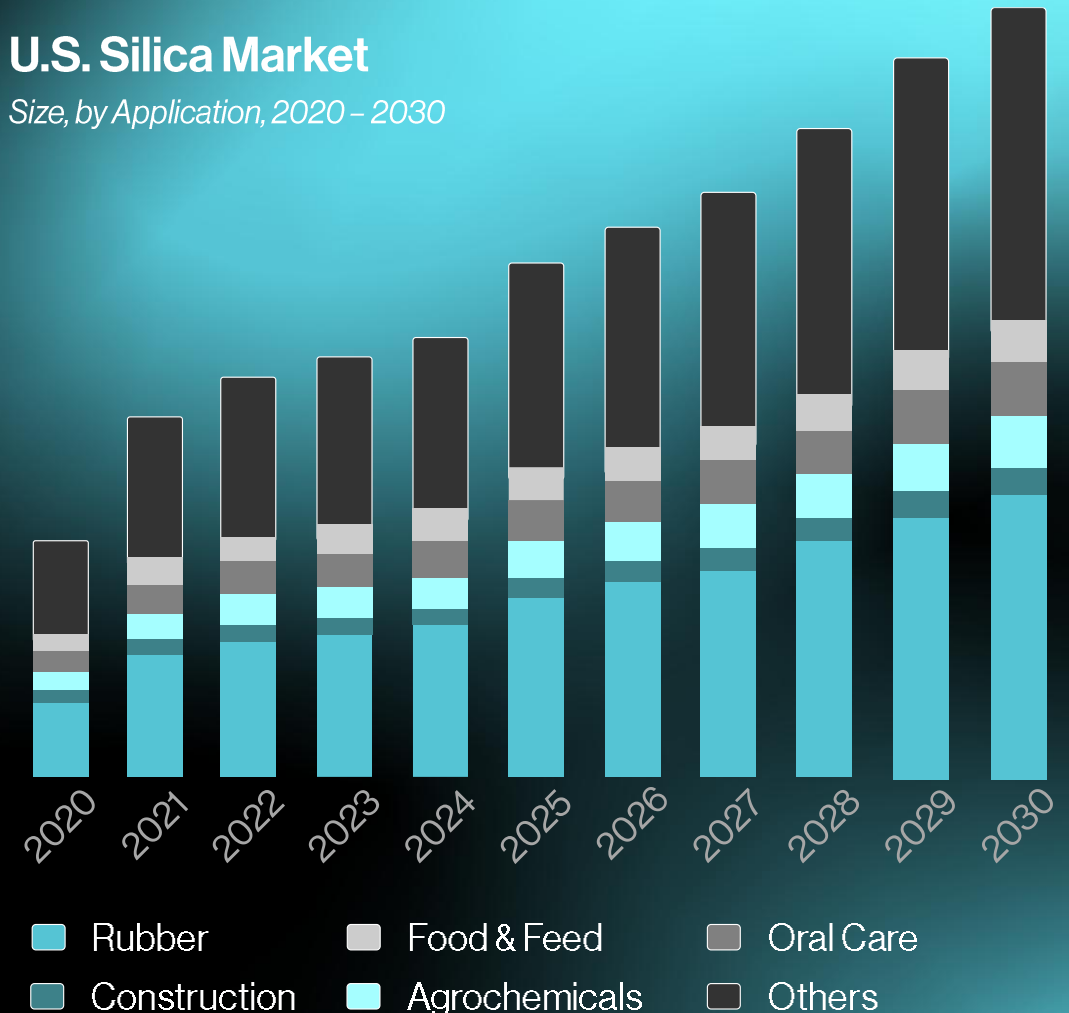
Projected market size in 2024

\$2.06T

Estimated market size by 2032

U.S. Silica Market

Size, by Application, 2020 – 2030



Silicon: A Critical Mineral in Lithium-ion Batteries

The company believes the lithium-silicon battery market is poised for substantial growth: ↗

48.4%

Global CAGR driven primarily by the EV sector.

49.0%

USA CAGR through 2034

1,150B

Market Value by 2034 a rise from \$22.2B in 2024

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Silicon is emerging as an important component in the evolution of lithium-ion batteries, particularly for electric vehicles (EVs).

Silicon Anodes Can Improve EV Battery Density and Extend Range Without Cost Increase¹⁴

Silicon has attracted attention from major automotive manufacturers, like Porsche, Mercedes, and GM investing in silicon-anode battery technology.¹³

Silicone Anode Battery Market

Incorporating silicon into battery anodes has the potential to drastically improve charge and discharge performance in everything from phones to cars¹²



Silica in Solar Panels: Fueling the Renewable Energy Boom

Silicon from high-purity quartz is key for photovoltaic (PV) solar panels, representing the commercial value of silica purity.

\$181.11M
in 2023

\$209.97M
in 2024

\$486.31M
by 2032

CAGR of 11.6% during
the forecast period.¹⁷

Demand for High-Quality Silica¹⁷:

As solar technology advances, the need for high-quality silica potentially increases to produce more efficient and durable PV cells.

Market Dominance¹⁵:

Silicon PV technology currently accounts for 97% of all PV installations, projected to maintain this dominance until at least 2040.

Financial Significance¹⁶:

The global Crystalline Silicon PV Cells market was valued at \$35.5 billion in 2023, and is projected to reach \$52.8 billion by 2033, growing at a CAGR of 3.9% from 2024 to 2033

Growing a Portfolio of Projects

Management believes Silicon Metals Corp. could be well-positioned to take advantage of an expanding global silica market

- Management believes the company's initial silica project makes it well suited to meet a potential growing demand; especially as domestic production becomes increasingly important for reducing supply chain vulnerabilities.
- The Company has acquired a 100% ownership stake in the Ptarmigan Project located in mid-eastern B.C. And the Maple Birch Project near Sudbury, Ontario
- The company has an option to acquire a 100% ownership in the Maple Birch project in Sudbury Ontario
- 5-year NoW Drill permit acquired Q3 2025





Silicon Metals Ontario Project

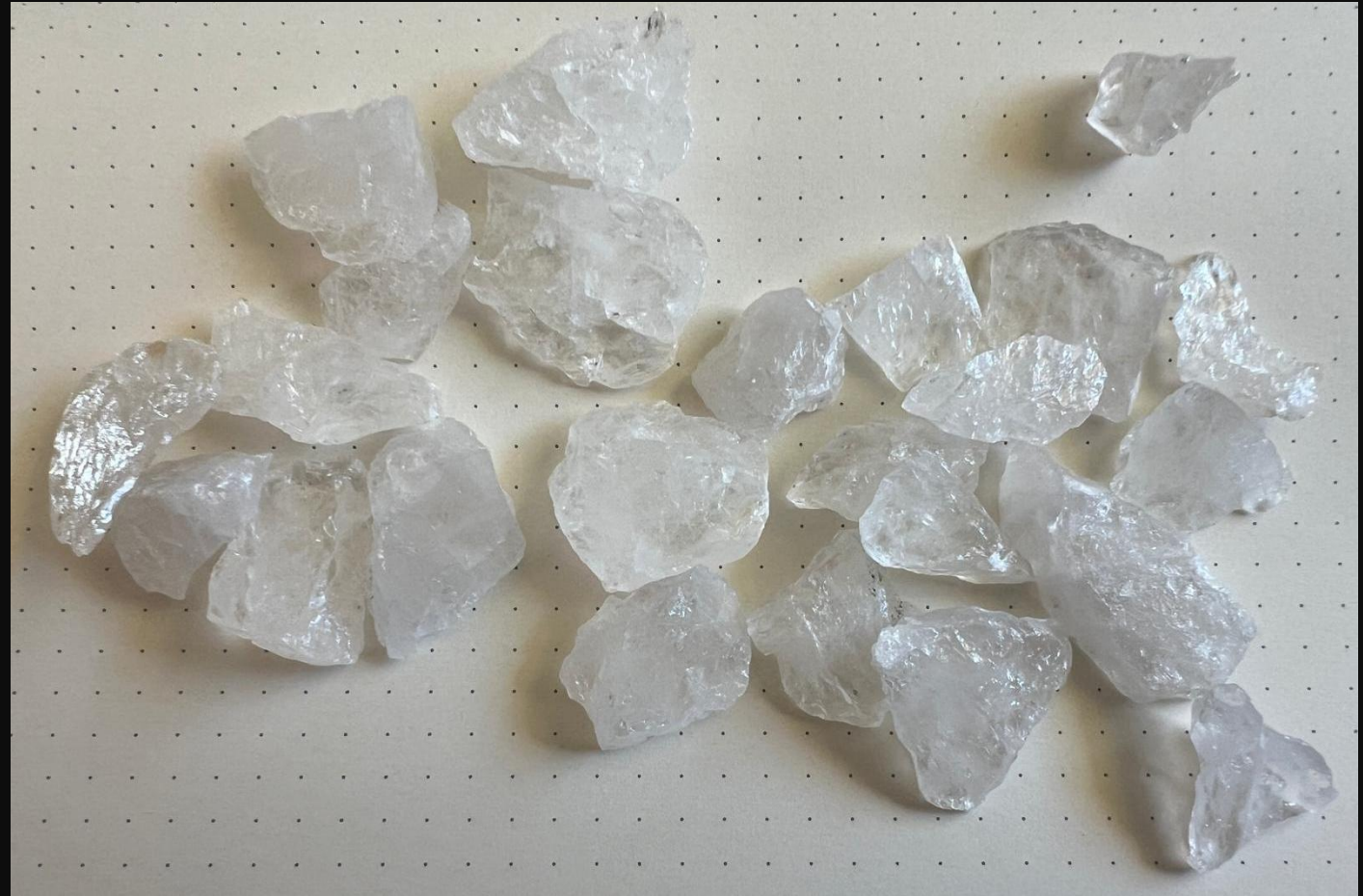
1,848 hectares of underexplored mineral claims, including an area permitted for quarry production of high purity quartz-rich pegmatite material.

Silicon Metals and its team are optimistic that having this Aggregate Production Permit potentially gives the company a realistic opportunity at commercial production in 2026.

The Sudbury area is a world-renowned mining jurisdiction.

The Great Lakes provide access to global markets.

High purity quartz from the Maple Birch Project Quarry



Not all SiO₂ is the same

Sedimentary / Meta-sedimentary

Ptarmigan

SAND | SANDSTONE | QUARTZITE

- Typical uses include glass, concrete, countertops, tile, ceramic.
- A wide variety of uses and values depending on characteristics such as chemical and mechanical properties.

Hydrothermal

QUARTZ VEIN

- Quite rare to find quartz veins free of impurities and large enough.
- Impurities sometimes include fluid/gas inclusions.
- Generally more valuable than the Sedimentary/Meta-sedimentary types.
- Has some tech applications.
- Large spectrum of uses and applications depending on chemical and mechanical properties.

Magmatic

Maple Birch Project 1,848 ha

PEGMATITE

- Very Rare
- Highest purity
- Highly favourable mechanical properties
- Very suitable for many high tech applications
- Very valuable with potential for >\$1,000 USD per ton (some high purity pegmatite material sells for tens of thousands of dollars a ton).
- Spruce-Pine, in North Carolina, is a pegmatite type deposit.

The Ptarmigan Project¹⁸



Large Property

4,000 ha with potential for expansion along strike.



Location

130 km from Valemount, BC, near Highway 16.



Geology

Yanks Peak Formation features 20-30m ridges with minimal overburden and a 14km discontinuous structure.



Strong Potential

Grades found at Ptarmigan, due to the large amount of quartzite sand provide strong potential to source higher grade silica for refinement in future exploration and development work.



High Silica Content

Recent due diligence sampling (three samples) returned values of 98.68, 98.44 and 99.52% %SiO₂ with very low Fe₂O₃ values (0.25 to 0.42%).

Adrian Smith, P.Geo., a Qualified Person as defined by NI 43-101, has reviewed and approved the scientific and technical information disclosed on this website. Historical information contained on this website cannot be relied upon, as Mr. Smith has not prepared nor verified such historical information. "PTARMIGAN SILICA PROJECT CARIBOO MINING DIVISION NTS 093/H10 And 11 BRITISH COLUMBIA, CANADA NI 43-101 Technical Report" prepared on September 26, 2024 by Chris M. Healey, P. Geo Principal Geologist, Healex Consulting Ltd Engineers and Geoscientists British Columbia Member available on SEDAR+ under the Company's profile at www.sedarplus.ca



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Ptarmigan



Silicon Metals Corp Claims



Yellowhead Highway

16

0

50

1000 m

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2025 Ptarmigan Plan & Goals

- Perform LiDAR survey for generating 3D terrain model – **Completed**
- Perform hi-res imagery of property – **Completed**
- Establish truck access to zone 1 and construct laydown area – **In Progress**
- Strip outcropping quartzite zones
- Perform detailed geologic mapping of quartzite formation
- Perform geochemical, metallurgical, and other advanced testing – **In Progress (ongoing)**
- Perform test blasts and drilling
- Construct 3D model of quartzite formation – **In Progress (ongoing)**

PRELIMINARY 3D MODELLING RESULTS

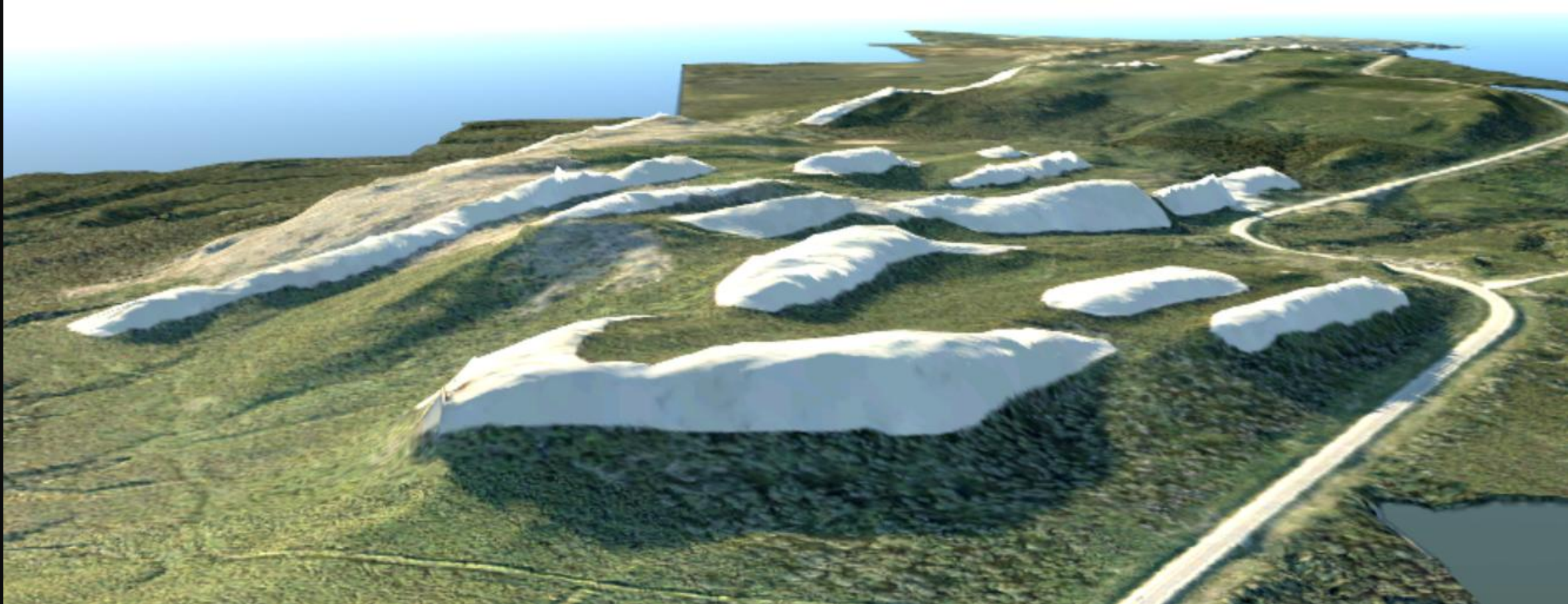
Approximately five millions cubic metres (5,000,000 m³) of quartzite material is indicated to be present at surface in the form of topographic high ridges. The density of the Ptarmigan quartzite is approximately 2.6 t/ m³ (tonnes per cubic metre).



DISCLAIMER: The 3D model was constructed with the powerful engineering CAD software Civil3D by Autodesk, an industry standard design software that specializes in calculating the volume of topographic features, stockpiles, cut and fills, excavation, and other such engineering and scientific applications. Using the digital elevation model topography from the LiDAR and the mapped geological contacts, quartzite zones were established. As the quartzite zones consist of topographically high ridges, preliminary volume estimates were calculated by cutting the ridges down to match the surrounding topography. The potential quantity and grade of this exploration target are conceptual in nature. There has been insufficient exploration to define a mineral resource, and it is uncertain if further exploration will result in the target being delineated as a mineral resource. The estimate disclosed in this news release is based on surface LiDAR data and limited geological mapping and modelling and does not constitute a mineral resource or mineral reserve estimate as defined by NI 43-101 and the CIM Definition Standards.

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The Silica Ridge Project



Large Property

Approximately 70 km southwest of MacKenzie, British Columbia



Size

2,538.22 hectares



Main Feature

Significant quartzite occurrence with high-purity silica (SiO_2 at 99.43%)



Future Potential

Strong expansion potential to the southeast, supported by recent regional mapping



Historical Exploration

Five drill holes revealed a substantial tonnage of silica, as documented in BC government records

Drilled in 1975 by Silver Standard Mines Ltd., focusing on the northwest area of the property

At least five holes were drilled on the occurrence and summarized in a memo filed with the BC government by Silver Standard which states “five holes drilled in a relatively small area indicate a substantial tonnage of silica with the following analysis: SiO_2 – 99.43 percent; Fe_2O_3 – 0.09 percent; Al_2O_3 – 0.08 percent; CaO – 0.011 percent; and LOI – 0.18 percent” (Property File: PF016434.pdf)

The Company has entered into an Option Agreement dated November 6, 2024, to acquire a 100% right, title, and interest on this project



The Silica Ridge Project

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Silicon Metals Corp Claim



The Longworth Silica Project



Large Property

Approximately 85 km east of Prince George, British Columbia



Size

3,863.06 hectares



Main Target

Nonda Quartzite formation along Bearpaw Ridge



Development Opportunity

Historic exploration shows significant high-purity quartzite potential for expansion along strike, enhancing Silicon Metals Corp.'s silica-focused portfolio



Geological Highlights

Four northwest-trending quartzite bands mapped, with thickness up to 400 meters

High-purity silica averaging 99.5% as per samples collected by BC Geological Survey in 1982

The Company has entered into an Option Agreement dated November 6, 2024, to acquire a 100% right, title, and interest on this project

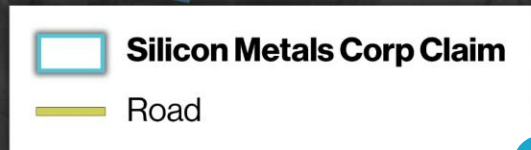


The Longworth Silica Project

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Longworth

Longworth



Silicon Metals Silica focused BC Portfolio



Management and Board of Directors



Morgan Good

CEO & Director

Mr. Good is a venture capitalist with approximately 20 years of experience as a stock market professional focusing on the areas of finance, M&A, corporate restructuring and development, as well as marketing. Mr. Good has served on various boards across several sectors but most notably within the small-cap junior mining resource arena, as well as efforts towards technology, healthcare, and more. Morgan has been directly and indirectly responsible for raising in excess of \$100M over his career relating to many private and public issuers alike.



Leighton Bocking

President & Director

Mr. Bocking has been working in the capital markets for over 18 years. He has held various CEO and directorship roles. Mr. Bocking has been particularly focused on the financing and structuring of public and private companies with numerous years of success in the junior mining resource sector.



Raymond Wladichuk

Director & COO

Mr. Wladichuk has a strong background in exploration, engineering, and construction. As a consultant he has been involved in some of the largest natural resource engineering and construction projects in Canadian history. He has had the opportunity to perform mineral exploration and development throughout Canada on various commodities, as well as gaining extensive experience and expertise in the silica industry. He is a professional geoscientist registered in multiple Canadian provinces and holds a Bachelor of Science in Earth Sciences and a Graduate Diploma in Business Administration from Simon Fraser University (SFU). Ray attended SFU on an athletic scholarship and subsequently played two years of professional football with the Hamilton Tiger-Cats of the Canadian Football League.



Bennett Liu

CFO

Mr. Liu has considerable experience in the areas of financial reporting, regulatory compliance, and treasury for Canadian public companies. Mr. Liu has held diverse leadership roles within the mining and technology sectors, contributing his expertise to companies such as Inverite Insights, K92 Mining, South Star Battery, and Aton Resources. Mr. Liu has earned his Chartered Financial Analyst and Chartered Professional Accountant designations.



Adrian Smith, P. Geo, B.Sc

Director & Qualified Person

Adrian Smith is a registered professional geologist with over 15 years of experience in the mineral exploration industry. He began his career as an underground mine geologist, later expanding into exploration projects across Canada and the U.S. Currently, he is the CEO of First Atlantic Nickel Corp., serves on the boards of M3 Metals Corp. and Usha Resources Ltd., and is the founder of Divitiae Resources Ltd. Mr. Smith holds a Bachelor of Science in Geology from Simon Fraser University and has been a member of Engineers and Geoscientists BC since 2008.

Strategic Advisory Board



Kyler Hardy

Advisor

Mr. Samuel 'Kyler' Hardy has over 20 years of experience in the global resource sector where he has operated, advised and brought venture capital, private equity and strategic partners to the table. Mr. Hardy has founded and sold several resource focused businesses from services to extraction and development. Mr. Hardy is currently the CEO of the Cronin Group, Executive Chairman and Director of Temas Resources Corp, Chairman of NuE Corp, and Director of Hexa Resources, among other private and public companies

Share Structure



44,016,690

Shares Outstanding

~ \$600,000

Current Cash Position

16,577,647

Warrants
(\$0.055 - \$0.20)

61,956,837

Fully Diluted

1,362,500

Company Options
(\$0.06 - \$0.065)

\$1.5M

Market Cap

As of October 1, 2025



Contact Us

For more information about this investment opportunity and further details about Silicon Metals Corp and their plan, please contact:

Morgan Good *Chief Executive Officer & Director*

+1 604 715 4751

morgan@siliconmetalscorp.com



Source Directory

1. [1. The Chemistry of Silica: Solubility, Polymerization, Colloid and Surface Properties and Biochemistry of Silica" by Ralph K. Iler](#)
2. <https://www.acumenresearchandconsulting.com/silicon-market>
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4. <https://www.iea.org/policies/15274-the-2020-eu-critical-raw-materials-list>
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