

Press Release I

Silika Project Brings Industrial-Scale Silica Reserves On-Chain, Targeting AI and Renewable Energy Supply Chains

An Indonesia-based initiative is connecting physical mining operations with blockchain infrastructure to address the growing demand for high-purity silica

SILIKA PROJECT

Brings Industrial-Scale Silica Reserves On-Chain, Targeting AI and Renewable Energy Supply Chains

An Indonesia-based initiative is connecting physical mining operations with blockchain infrastructure to address growing demand for high-purity silica.

POWERING INDUSTRIES THAT SHAPE THE FUTURE

- AI & Semiconductors
- Renewable Energy
- Glass & Specialty Materials
- Industrial Manufacturing

BLOCKCHAIN VERIFIED

- Transparent Sourcing
- Immutable Records
- Real-Time Verification
- Trusted Supply Chain

INDUSTRIAL-SCALE SILICA RESERVES

137.77 MILLION CUBIC METERS

Long-term resource base to support sustained global demand.

TRANSPARENT & TRACEABLE | **SECURE & VERIFIED** | **GLOBAL ACCESS, LOCAL IMPACT** | **SUSTAINABLE MINING, RESPONSIBLE FUTURE**

As global demand for artificial intelligence, renewable energy, and semiconductor manufacturing accelerates, a less visible bottleneck is beginning to emerge: access to high-quality raw materials.

[Silika Project](#), an infrastructure initiative based in Indonesia, is entering this space with a model that combines **large-scale silica mining operations** with **blockchain-based verification and access systems** — aiming to bring greater transparency and efficiency to one of the world's most critical industrial supply chains.

At the core of the project is a reserve base of **137.77 million cubic meters of silica**, providing a long-term foundation for production and positioning the initiative within sectors that are expected to see sustained global growth over the coming decades.

A Material Behind Modern Technology



SILIKA PROJECT

A MATERIAL BEHIND MODERN TECHNOLOGY

Silica is a key input across a wide range of industries — from construction and glass manufacturing to solar panels and semiconductor chips. Yet, not all silica is equal. High-purity grades required for advanced applications remain relatively scarce, and bringing them to market requires both resource availability and processing capability.

As industries continue to scale — particularly those tied to **AI infrastructure** and **clean energy** — the pressure on supply chains is becoming more pronounced.

A CRITICAL MATERIAL FOR HIGH-GROWTH INDUSTRIES

- Construction
- Glass Manufacturing
- Solar Energy
- Semiconductor & Electronics
- AI & Advanced Technologies

SILIKA PROJECT IS BUILT AROUND A PHASED APPROACH

- 1 EARLY-STAGE**
Construction-Grade Silica

Targeting construction-grade silica for immediate revenue
 - Strong demand in construction
 - Faster time to market
 - Solid foundation for growth
- 2 MID-STAGE**
Industrial & Solar-Grade Materials

Expanding into industrial and solar-grade materials
 - Higher value applications
 - Growing clean energy demand
 - Strategic step toward specialization
- 3 LONG-TERM**
High-Purity Silica

Developing high-purity silica for advanced technology applications
 - Ultra-high purity for semiconductors
 - Critical for AI, chips & next-gen tech
 - Long-term, high-value positioning

ABUNDANT RESOURCES
Backed by 137.77 million cubic meters of silica reserves

INTEGRATED CAPABILITIES
From mining to processing and quality upgrading

BLOCKCHAIN VERIFICATION
Ensuring transparency, traceability, and trust

POWERING A SUSTAINABLE FUTURE
Supporting industries that drive innovation and a cleaner planet

Silica is a key input across a wide range of industries — from construction and glass manufacturing to solar panels and semiconductor chips. Yet, not all silica is equal. High-purity grades required for advanced applications remain relatively scarce, and bringing them to market requires both resource availability and processing capability.

As industries continue to scale — particularly those tied to AI infrastructure and clean energy — the pressure on supply chains is becoming more pronounced.

[Silika Project](#) is built around a phased approach:

- **Early-stage production** targeting construction-grade silica for immediate revenue
- **Mid-stage expansion** into industrial and solar-grade materials
- **Long-term development** of high-purity silica for advanced technology applications

Rethinking Transparency in Resource Industries

SILIKA PROJECT

RETHINKING TRANSPARENCY IN RESOURCE INDUSTRIES

While mining has traditionally operated with limited visibility for external stakeholders, Silika is introducing a different approach by integrating blockchain-based systems directly into its operational model.

The project is developing a set of verification layers designed to track and validate key aspects of production and distribution, including:

- REAL-TIME PRODUCTION TRACKING**
Through sensor and satellite data
- ONGOING RESERVE VALIDATION**
Linked to digital records
- TRACEABILITY SYSTEMS**
From extraction to delivery
- COMBINING PHYSICAL OPERATIONS WITH DIGITAL INFRASTRUCTURE**
The goal is to create a system where data is not only recorded, but also independently verifiable.

BLOCKCHAIN VERIFIED
Each step is recorded, verified, and tamper-proof

GREATER TRANSPARENCY
Open, verifiable data for all stakeholders

STRONGER TRUST
Independent verification builds confidence

OPERATIONAL EFFICIENCY
Data-driven insights for better decision-making

SUSTAINABLE IMPACT
Responsible sourcing for a cleaner, smarter future

Category	Value
Total Silica Reserves	137.77 MILLION m ³
Reserve Type	High-Purity Silica
Location	Central Kalimantan, Indonesia
Last Validation	May 20, 2024
Verification Status	VERIFIED

While mining has traditionally operated with limited visibility for external stakeholders, Silika is introducing a different approach by integrating blockchain-based systems directly into its operational model.

The project is developing a set of verification layers designed to track and validate key aspects of production and distribution, including:

- Real-time production tracking through sensor and satellite data
- Ongoing reserve validation linked to digital records
- Traceability systems following materials from extraction to delivery

By combining physical operations with digital infrastructure, the goal is to create a system where data is not only recorded, but also independently verifiable.

Linking Industrial Output to Digital Participation



In parallel with its operational layer, [Silika](#) is building a digital ecosystem that reflects real-world activity. The project includes a token model intended to connect production performance with participation mechanisms such as staking, revenue-linked distributions, and broader ecosystem engagement.

Rather than functioning in isolation, the digital layer is designed to mirror what is happening on the ground — aligning incentives between operations and participants.

Positioned Within a Growing Global Market



SILIKA
PROJECT

POSITIONED WITHIN A GROWING GLOBAL MARKET

The global silica market is expected to expand significantly over the coming years, driven by demand from sectors such as solar manufacturing and electronics. As supply constraints persist, projects that can combine resource access with scalable infrastructure are likely to play a more prominent role.

Silika's model — combining reserves, operations, and digital systems — reflects a broader shift toward integrating physical industries with new forms of financial and technological infrastructure.



GLOBAL SILICA MARKET OUTLOOK

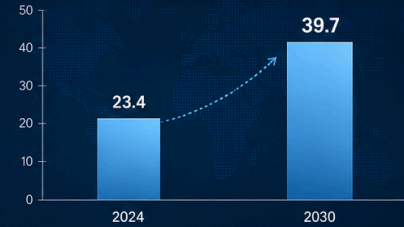
Market Size (USD Billion)

23.4 BILLION
in 2024

39.7 BILLION
in 2030

CAGR 9.2%
2024–2030

Source: Grand View Research, MarketsandMarkets



STRONG DEMAND ACROSS KEY INDUSTRIES



Solar
Manufacturing



Electronics &
Semiconductors



Construction



Glass
Manufacturing



Specialty
Applications

WHY SILIKA IS WELL-POSITIONED



LARGE-SCALE RESERVES

Backed by 137.77 million cubic meters of silica resources.



INTEGRATED OPERATIONS

End-to-end capabilities from mining to processing and delivery.



DIGITAL INFRASTRUCTURE

Blockchain-based systems ensure transparency, traceability, and trust.



MARKET ALIGNMENT

Addressing strong and growing global demand across multiple sectors.



SUSTAINABLE GROWTH

Built for long-term value creation for industry and participants alike.



As the world builds toward a more digital, sustainable, and energy-efficient future, access to critical materials like high-purity silica will be essential. Silika Project is building the foundation to meet that need — today and for generations to come.

The global silica market is expected to expand significantly over the coming years, driven by demand from sectors such as solar manufacturing and electronics. As supply constraints persist, projects that can combine resource access with scalable infrastructure are likely to play a more prominent role.

Silika's model — combining reserves, operations, and digital systems — reflects a broader shift toward integrating physical industries with new forms of financial and technological infrastructure.

Built for Long-Term Development



BUILT FOR LONG-TERM DEVELOPMENT

Silika operates through a structured setup designed to support both near-term production and long-term expansion. The project has outlined a multi-phase roadmap, beginning with operational entry and scaling toward higher-value applications.

In addition to its commercial focus, the initiative incorporates compliance with Indonesian regulatory frameworks and is exploring sustainability measures, including emissions tracking and environmental management.



MULTI-PHASE ROADMAP FOR SUSTAINABLE GROWTH

PHASE 1 OPERATIONAL ENTRY (0-12 MONTHS)	PHASE 2 EXPANSION & DIVERSIFICATION (1-3 YEARS)	PHASE 3 HIGH-PURITY DEVELOPMENT (3-5+ YEARS)	PHASE 4 GLOBAL INTEGRATION (5+ YEARS)
<ul style="list-style-type: none"> Establish and optimize mining operations Produce construction-grade silica Build operational infrastructure Generate early revenue and market presence 	<ul style="list-style-type: none"> Expand capacity and processing capabilities Move into industrial and solar-grade silica Strengthen supply chain and distribution network Enhance product quality and efficiency 	<ul style="list-style-type: none"> Develop high-purity silica for advanced applications Invest in R&D and technology upgrades Target electronics, semiconductors, and AI infrastructure sectors Achieve higher margins and global positioning 	<ul style="list-style-type: none"> Expand into global markets and strategic partnerships Integrate digital systems for end-to-end transparency Scale ecosystem and community participation Drive innovation and sustainable long-term value

COMPLIANCE & REGULATORY ALIGNMENT

Silika is committed to operating within Indonesia's regulatory framework.

- Compliant with Mining Law and Government Regulations
- All necessary permits and licenses in progress
- Engaging with local communities and stakeholders responsibly
- Ongoing reporting and adherence to national standards

SUSTAINABILITY INITIATIVES

Silika is integrating sustainability into its operations for long-term environmental and social impact.

- Emissions tracking and monitoring
- Environmental management and land rehabilitation
- Efficient water usage and waste management
- Community development and local engagement
- Continuous improvement and transparent reporting

Silika Project is more than a mining initiative — it is a long-term platform designed to deliver real-world value, drive sustainable growth, and contribute to a more transparent and resource-secure future.

Built today. Scaling for tomorrow.

- Real Resources
- Responsible Operations
- Digital Transparency
- Sustainable Future

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A New Category of Infrastructure

SILIKA PROJECT

A NEW CATEGORY OF INFRASTRUCTURE

While much of the conversation around blockchain has focused on financial applications, projects like Silika suggest a different direction — one where digital systems are used to support and extend real-world industries.

CONNECTING THE REAL WORLD WITH DIGITAL INFRASTRUCTURE

- PHYSICAL RESOURCES
- EXTRACTION & PRODUCTION
- VERIFICATION & TRANSPARENCY
- DISTRIBUTION & DELIVERY
- END INDUSTRIES & APPLICATIONS

BUILT ON TRANSPARENCY. POWERED BY TECHNOLOGY. BACKED BY REAL-WORLD VALUE.

- BLOCKCHAIN TRANSPARENCY**
Immutable records and end-to-end traceability
- REAL-TIME DATA INTEGRATION**
Sensor and satellite data for accurate monitoring
- TRUST & VERIFICATION**
Independent validation builds confidence
- INFRASTRUCTURE FOR THE FUTURE**
Scalable systems for a changing world

“We see the next phase of blockchain not just in finance, but in infrastructure — connecting physical production with transparent, verifiable systems.”

Walter Kaminski
CEO and Founder
Silika Project

As industries evolve and global demand continues to shift, the intersection between physical assets and digital networks may become an increasingly important part of how supply chains are built and accessed.

ABOUT SILIKA PROJECT

- REAL-WORLD ASSETS**
Backed by silica reserves and physical operations
- VERIFIABLE SYSTEMS**
Blockchain-based tracking and transparency
- PARTICIPATION ECOSYSTEM**
Incentivizing users through real economic activity
- SUSTAINABLE BY DESIGN**
Environmental responsibility for long-term impact
- LONG-TERM VALUE**
Sustainable growth for industries and communities

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While much of the conversation around blockchain has focused on financial applications, projects like Silika suggest a different direction — one where digital systems are used to support and extend real-world industries.

“We see the next phase of blockchain not just in finance, but in infrastructure — connecting physical production with transparent, verifiable systems,” said Walter Kaminski, CEO and Founder at Silika Project.

As industries evolve and global demand continues to shift, the intersection between physical assets and digital networks may become an increasingly important part of how supply chains are built and accessed.

About Silika Project

Silika Project is an infrastructure initiative combining silica resource development with blockchain-based systems. The project focuses on creating transparent, scalable access to industrial materials by integrating physical operations with digital verification and participation models.

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<https://docs.google.com/document/d/1hLSPc7hffypolnfxXT1wD8i4csWiKng986y25eoTofs/edit?usp=sharing>

new press release

Silika Project Tokenizes Industrial-Scale Silica Reserves to Power AI and Renewable Energy Supply Chains

SILIKA PROJECT

A NEW CATEGORY OF INFRASTRUCTURE

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“We see the next phase of blockchain not just in finance, but in infrastructure — connecting physical production with transparent, verifiable systems.”
WALTER KAMINSKI
 CEO and Founder, Silika Project

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ABOUT SILIKA PROJECT

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The project focuses on creating transparent, scalable access to industrial materials by integrating physical operations with digital verification and participation models.

LINKING INDUSTRIAL OUTPUT TO DIGITAL PARTICIPATION

In parallel with its operational layer, Silika is building a digital ecosystem that reflects real-world activity.

- STAKE**
Earn rewards by supporting the ecosystem
- EARN**
Revenue-linked distributions from real-world output
- GOVERN**
Participate in key decisions and governance
- ENGAGE**
Access ecosystem features and future opportunities

POSITIONED WITHIN A GROWING GLOBAL MARKET

The global silica market is expected to expand significantly over the coming years, driven by demand from sectors such as solar manufacturing and electronics.

As supply constraints persist, projects that can combine resource access with scalable infrastructure are likely to play a more prominent role.

GLOBAL SILICA MARKET OUTLOOK (USD BILLION)

Year	Market Size (USD Billion)	CAGR
2024	23.4	9.2%
2030	39.7	

Source: Grand View Research, MarketsandMarkets

BUILT FOR LONG-TERM DEVELOPMENT

Silika operates through a structured setup designed to support both near-term production and long-term expansion.

- EARLY-STAGE PRODUCTION**
Targeting commision-grade silica for immediate revenue
- MID-STAGE EXPANSION**
Expanding into industrial and solar-grade materials
- LONG-TERM DEVELOPMENT**
Developing high-purity silica for advanced technology applications
- COMPLIANCE & GOVERNANCE**
Operating under Indonesian regulations
- SUSTAINABILITY FOCUS**
Emissions tracking and environmental management

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As global demand for artificial intelligence (AI), renewable energy, and semiconductor production accelerates, attention is turning to a critical but often overlooked constraint: access to high-purity raw materials.

Silika Project, an Indonesia-based infrastructure initiative, is positioning itself at the intersection of real-world assets (RWA) and blockchain by bringing large-scale silica reserves on-chain. By combining mining operations with blockchain-based verification systems, the project aims to modernize how industrial materials are tracked, accessed, and integrated into global supply chains. More details about the project’s infrastructure and ecosystem can be explored on its official platform^[1].

At the center of the initiative lies a reserve base of approximately 137.77 million cubic meters of silica, providing long-term exposure to a material essential for sectors such as solar energy, electronics, and AI hardware.

From Raw Material to On-Chain Asset

Silica is a foundational input in industries ranging from construction and glass manufacturing to photovoltaic panels and semiconductor chips. However, high-purity silica suitable for advanced technologies remains limited in supply.

Silika Project introduces a phased approach to unlock value across the supply chain:

- * Initial production focused on construction-grade silica
- * Expansion into industrial- and solar-grade materials
- * Long-term development targeting high-purity silica for advanced tech applications

By structuring production in stages, the project aims to balance near-term revenue generation with long-term positioning in high-growth sectors.

Bringing Transparency to a Traditionally Opaque Industry

The mining sector has historically lacked transparency, with limited real-time visibility into production and distribution. [Silika Project](#) addresses this gap by embedding blockchain infrastructure directly into its operations.

The system under development includes:

- * Real-time production tracking powered by sensor and satellite data
- * Digitally verifiable reserve validation
- * End-to-end traceability from extraction to delivery

This approach enables a model where industrial activity can be independently verified on-chain, reducing information asymmetry and increasing trust among participants.

A Tokenized Model Backed by Real-World Output

Beyond physical operations, Silika Project is building a tokenized ecosystem designed to reflect real-world performance. Its model connects on-chain participation with off-chain production, introducing mechanisms such as staking and revenue-linked incentives.

Unlike purely speculative token systems, the project's digital layer is structured to mirror actual industrial output—aligning incentives between infrastructure development and ecosystem participants.

Riding the Real-World Asset (RWA) Narrative

The emergence of RWA tokenization has become one of the defining narratives in Web3, as projects seek to bridge blockchain with tangible economic activity.

Silika Project's approach reflects this trend by combining:

- * Verified physical reserves
- * Scalable extraction and production capabilities
- * Blockchain-based transparency and participation systems

As demand for energy transition technologies and AI infrastructure continues to rise, access to critical materials like silica is expected to become increasingly strategic.

Expanding Beyond Finance: Blockchain as Infrastructure

While blockchain adoption has largely been driven by financial use cases, projects like Silika signal a broader evolution toward infrastructure-level applications.

“We see the next phase of blockchain not just in finance, but in infrastructure—connecting physical production with transparent, verifiable systems,” said Walter Kaminski, CEO and Founder of Silika Project.

This shift highlights a growing convergence between physical industries and decentralized technologies, where blockchain serves as a coordination layer for real-world economic activity.

About Silika Project

[Silika Project](#) is an infrastructure initiative integrating silica resource development with blockchain-based systems. By combining real-world operations with digital verification and tokenized participation models, the project aims to create transparent and scalable access to industrial materials.

Learn more at <https://silikaproject.com/>

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Press Release 2

The Material Behind AI Is Getting a Digital Layer

Silika Project introduces a more transparent framework for silica production as global demand accelerates

The rapid expansion of artificial intelligence is often framed in terms of algorithms, compute power, and data infrastructure. Yet behind that growth lies a less visible dependency — the materials that make modern hardware possible.

Silika Project is focusing on that layer.

The initiative combines **silica resource development** with **blockchain-based verification systems**, introducing a framework designed to improve how industrial materials are tracked, understood, and accessed. As demand continues to rise across sectors such as semiconductors, renewable energy, and advanced manufacturing, the role of materials like silica is becoming increasingly difficult to ignore.

At the center of the project is a reserve base of **137.77 million cubic meters of silica**, providing a long-term foundation for production as global demand continues to expand.

A Material Hidden in Plain Sight

Silica rarely appears in discussions about emerging technologies, yet it is fundamental to many of them. It is used in glass production, solar panels, and semiconductor manufacturing — industries that are closely tied to the growth of AI and clean energy.

What is changing is not the material itself, but the scale at which it is needed.

As global demand accelerates, higher-purity silica — required for more advanced applications — is becoming harder to source and more complex to produce. This creates a structural pressure point in supply chains that are otherwise focused on speed and scale.

Silika Project is structured to respond to that dynamic through a phased development approach:

- Early-stage production focused on accessible market segments
- Expansion into industrial and solar-grade materials
- Long-term development of high-purity silica for advanced technologies

Making Industrial Data More Visible

One of the longstanding challenges in resource industries is visibility. Data related to reserves, production output, and distribution often exists across fragmented systems, making it difficult for stakeholders to verify or interpret.

Silika is introducing a system designed to address this gap.

By integrating digital infrastructure into its operations, the project aims to create a more transparent flow of information — where production activity, reserve data, and supply chain movement can be recorded and verified in a consistent way.

This includes:

- Production tracking through real-time data inputs
- Continuous validation of reserve information
- Traceability across the lifecycle of materials

The intention is not simply to digitize data, but to make it more **accessible, verifiable, and aligned with actual activity on the ground.**

Bridging Physical Output and Digital Systems

Alongside its operational model, Silika is developing a digital ecosystem designed to reflect real-world production.

Participation mechanisms — including staking, governance, and ecosystem incentives — are structured to align with underlying industrial output, rather than operate independently of it. This creates a connection between physical production and digital participation.

This approach reflects a broader shift in how real-world assets are being integrated into digital systems, where value is increasingly tied to measurable activity rather than abstract metrics.

Positioned Within a Changing Market Landscape

The global silica market is expected to grow significantly in the coming years, driven by demand from renewable energy, electronics manufacturing, and infrastructure development.

As this growth continues, supply constraints — particularly in higher-purity segments — are likely to become more pronounced. Projects that combine **resource access**, **processing capability**, and **data transparency** may play a more central role in how supply chains evolve.

Silika Project is positioned within that intersection, combining physical operations with digital infrastructure in a way that reflects both industrial demand and technological change.

Building for the Long Term

Silika's development model follows a multi-phase roadmap, beginning with operational entry and scaling toward higher-value applications over time.

The project operates within Indonesia's regulatory framework for mining and incorporates environmental considerations, including emissions tracking and sustainability practices, into its long-term approach.

A Subtle Shift in Infrastructure

Much of the early adoption of blockchain technology has centered on financial applications. Increasingly, attention is shifting toward how these systems can support real-world industries.

Silika Project reflects that transition — not as a replacement for existing infrastructure, but as an additional layer designed to improve how it functions.

“As industries scale, the connection between physical production and digital systems becomes more important. The opportunity lies in making that connection more transparent and easier to understand,” said Walter Kaminski, CEO and Founder at Silika Project.

About Silika Project

Silika Project is an infrastructure initiative focused on silica resource development and blockchain integration. By combining physical operations with digital verification systems, the project aims to create a more transparent and scalable framework for industrial supply chains.

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PR 2 - Short



The Material Behind AI Is Getting a Digital Layer

Silika Project introduces a more transparent framework for silica production as global demand accelerates

As artificial intelligence, renewable energy, and advanced manufacturing continue to scale, attention is often placed on compute power and hardware. Less visible, but equally critical, are the raw materials that make these systems possible.

Silika Project is focusing on that foundation.

The initiative combines **silica resource development** with **blockchain-based verification systems**, aiming to improve transparency and access within industrial supply chains. At its core is a reserve base of **137.77 million cubic meters of silica**, positioning the project within sectors experiencing sustained global demand, including semiconductors and solar energy.

Silica plays a fundamental role across modern industries, yet high-purity supply remains limited. As demand increases, visibility across production and distribution is becoming more important.

Silika Project is developing a framework designed to address this challenge by enabling:

- More consistent tracking of production activity
- Ongoing validation of resource data
- Greater traceability across the supply chain

Alongside its operational model, the project is building a digital layer intended to reflect real-world output, aligning participation mechanisms with underlying production.

The approach reflects a broader shift toward integrating real-world assets into digital systems, where value is increasingly linked to measurable activity.

“As industries scale, the connection between physical production and digital systems becomes more important,” said **Walter Kaminski, CEO and Founder of Silika Project**. “Our focus is on making that connection more transparent and easier to understand.”

The global silica market is expected to grow steadily in the coming years, driven by demand from renewable energy, electronics manufacturing, and infrastructure development.

About Silika Project

Silika Project is an infrastructure initiative focused on silica resource development and blockchain integration, aimed at creating a more transparent and scalable framework for industrial supply chains.

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