



INVESTOR DECK

A revolutionary dual-revenue
model

Client: Thesaur via [Acatechnic](#)



Sand Is the New Gold

And the Rush Has
Already Begun.

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Executive Summary

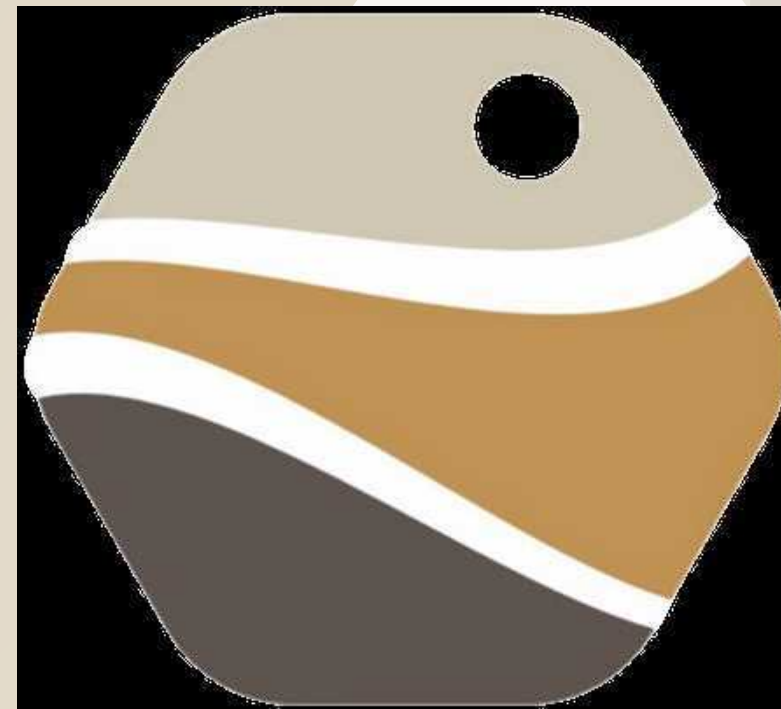
Investor Deck for Thesaur
Quartz Sand Industries

**Creating an
unparalleled blend
of industrial stability
and exponential
growth**

Objective:

Secure equity investment in
Europe's most promising high-
purity silica sand operation with
revolutionary dual-revenue
tokenization model

August 2025



The Proposition

A revolutionary dual-revenue model
offers substantial returns from 31.2M
tons of HPQS, silicon ingots, and valuable
by-products (projected IRR 570%, ROI
69,261%, with payback under two years),
coupled with eSand, the first asset-
backed cryptocurrency tied to physical
mining progress.

Investment Opportunity: €1M per 1% equity
stake (max 20% participation). Potential yearly
return of up to €3M



DUAL REVENUE MODEL

Physical Certainty. Digital Opportunity.

One asset. Two explosive growth markets.



01 Primary Revenue: Mining Operations

Silicon Production Integration:

- Czochralski method for monocrystalline silicon ingots
- Purity Levels: Solar-grade (99.999%) to electronic-grade (>99.9999999%)

CDE Processing Plant Capabilities:

- Feed Rate: 150 t/h input capacity
- Output: 80 t/h glass-grade sand + 50 t/h concrete sand
- Technology: M4500 with Counter Flow Classification Unit



The world's first
sand-backed cryptocurrency.
Real sand. Real value.



02. Secondary Revenue: eSand Token

Each 1% equity investment receives equivalent eSand tokens

Token value correlates with physical extraction progress

Total Supply: Capped at proven reserve quantities

Backing: Every token represents measurable sand reserves

MARKET CONTEXT & OPPORTUNITY SIZE

Critical Industry Dynamics & Geopolitical Factors

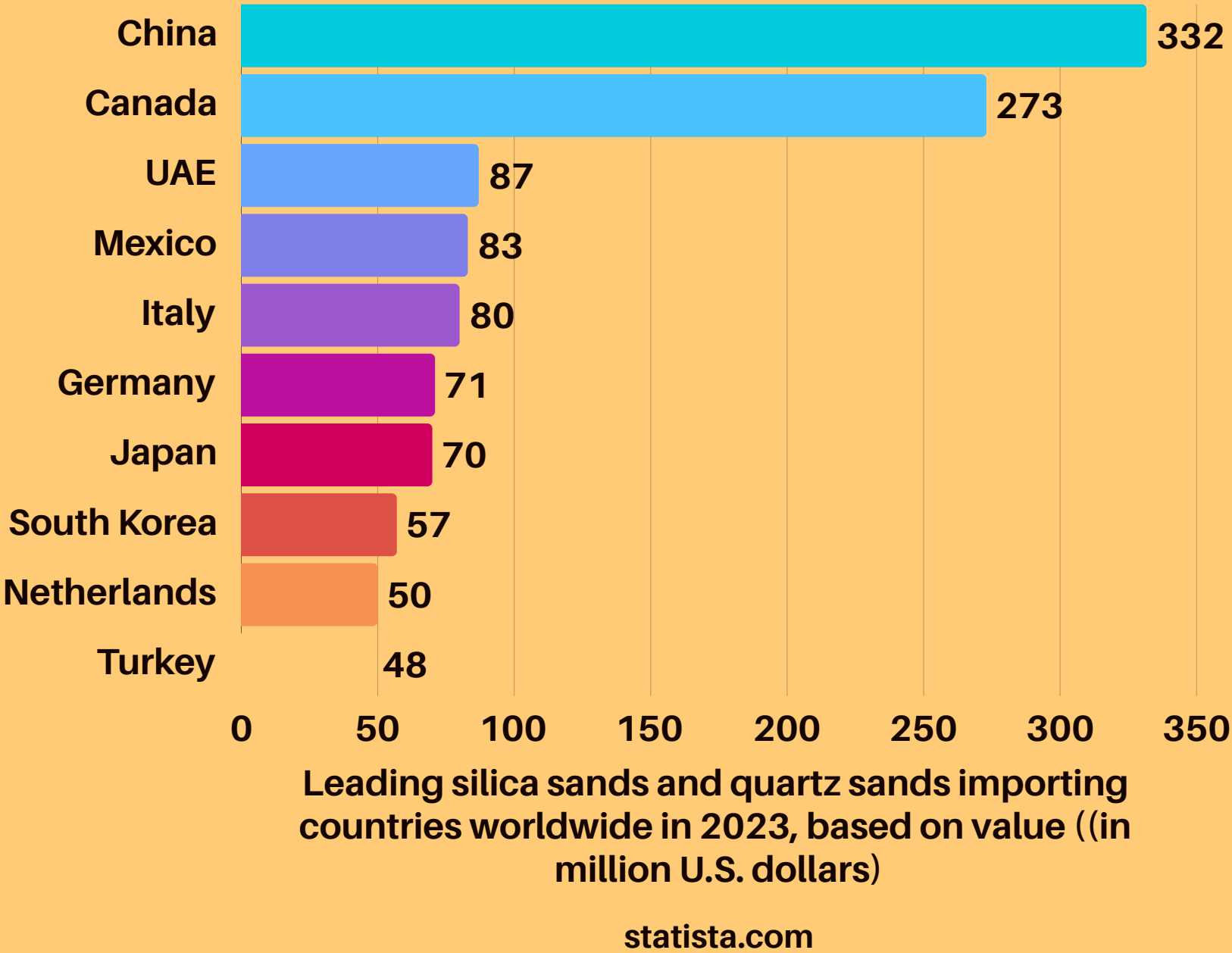
Global Sand Shortage Crisis	High Purity Quartz Sand Scarcity	Taiwan Geopolitical Risk	EU Strategic Autonomy	China Supply Chain Vulnerabilities
Sand is the 2nd most consumed resource globally after water (UN Environment Programme)	Limited global deposits with required 99.5%+ purity	70%+ of HPQS processing occurs in Taiwan, under increasing Chinese Communist Party destabilization pressure	Growing need for domestic HPQS sources to support European semiconductor and AI sovereignty	Chinese polysilicon industry sources materials from Xinjiang Uyghur Autonomous Region, creating human rights and regulatory risks for European companies

A Scarce Resource. A Global Crisis.
A Singular Opportunity

MARKET OPPORTUNITY

Sand is the world's second most consumed resource, per the UN. Annually, over 50 billion tons of sand and gravel are used. High-purity quartz sand (HPQS) demand is fueled by solar energy, semiconductors, and optical fibers. Europe seeks strategic independence from China's dominance in polysilicon and HPQS supply.

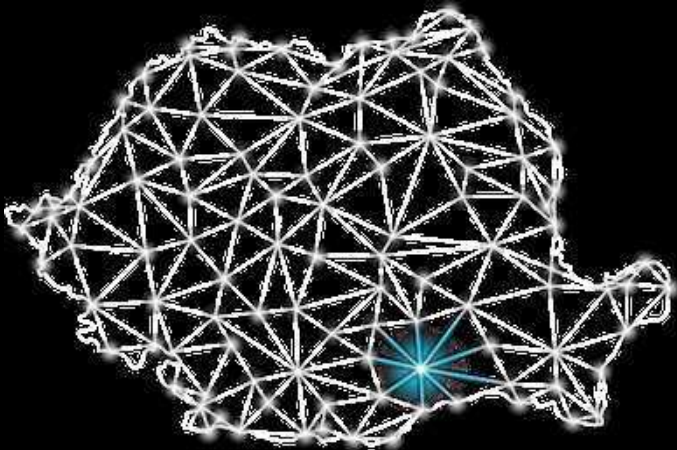
Sand | the unsung hero of solar panels and semiconductors



Romanian AI
Gigafactory Development

The Sands Are Shifting —

Now's the Time
to Stake Your
Claim.



June 24, 2025

Romanian Digitalization
Authority submitted letter
of intent for Black Sea AI
Gigafactory

€5B investment

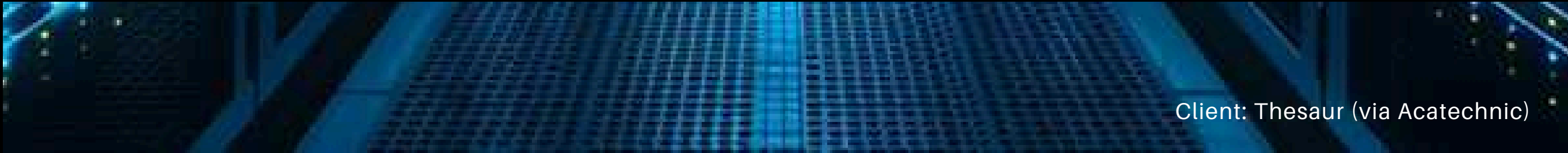
to serve Romania,
Moldova, Ukraine, and
Turkey

AI factory

Romania positioned to
become one of four EU
member states hosting AI
gigafactory

HPQS Demand

Massive HPQS demand
for state-of-the-art AI
infrastructure



Solar Energy Sector's reliance on Quartz

From Chips to Solar

Quartz is the Spark of Innovation

The European solar panel manufacturing sector is experiencing a 22% Compound Annual Growth Rate (CAGR).

Raw Materials Shortage

The Thesaur project is designed to meet the burgeoning demand for High Purity Quartz Sand (HPQS) in photovoltaics (PV), a critical raw material for solar cells.

Price increases

There is a scarcity of high-purity quartz sand globally, leading to high prices (e.g., €5-25 per kg)

Risk Mitigation

Thesaur offers a reliable, domestic EU source of HPQS, reducing exposure to supply chain disruptions and regulatory risks.

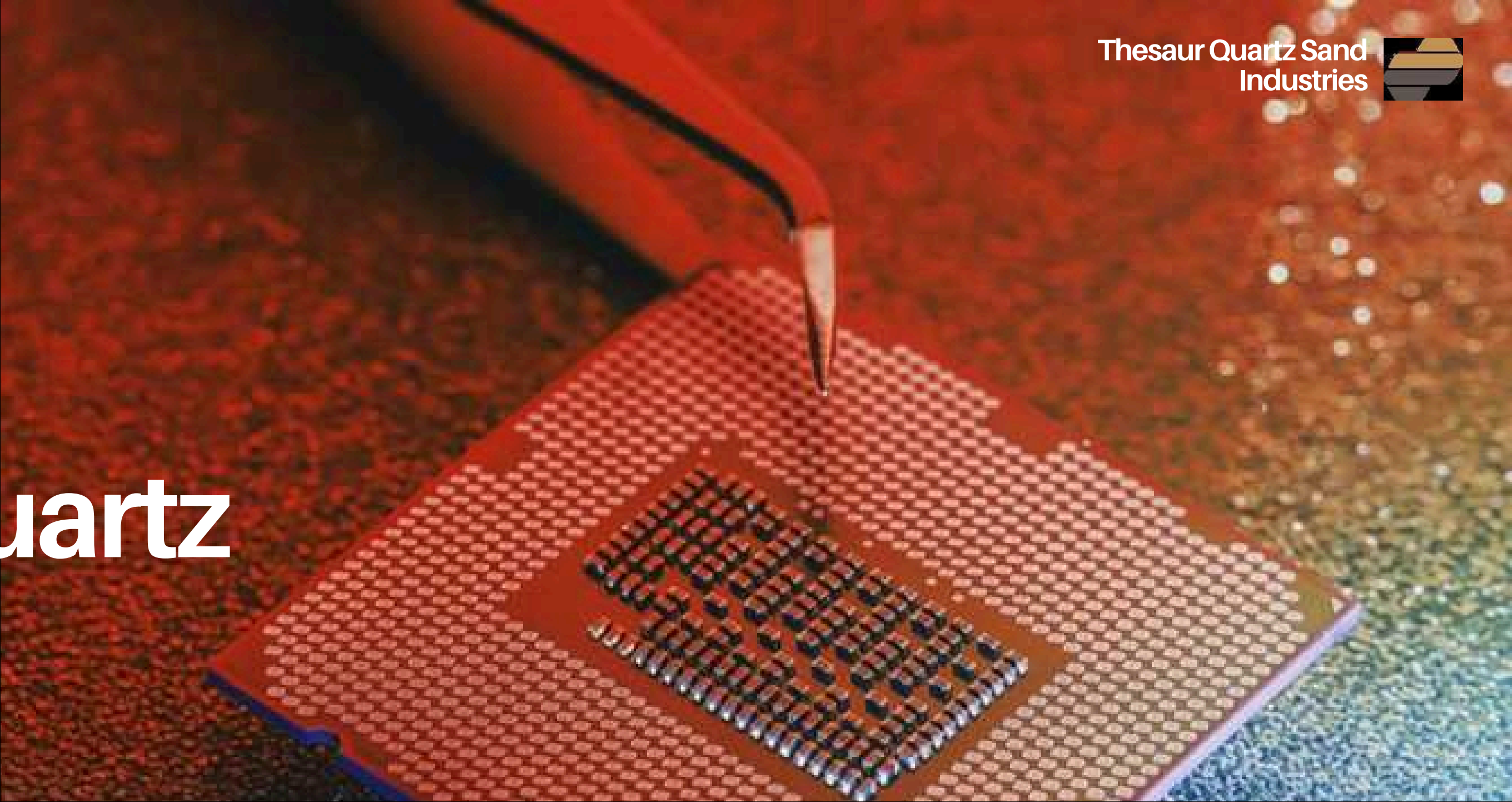
Risk Mitigation

The project also produces high-purity silicon ingots and wafers, essential components for high-efficiency solar panels.

Semiconductor industry growth

No Chips Without Quartz

And the World's Running Out of Both.



The semiconductor industry is experiencing a 7.8% Compound Annual Growth Rate (CAGR) through 2030.

Raw Materials Supplier

Thesaur will supply High Purity Quartz Sand (HPQS), a critical raw material for semiconductors, and produce high-purity silicon ingots and wafers.

Reliable domestic base

The project provides a reliable, domestic EU source of these essential materials, crucial given global HPQS scarcity and geopolitical risks affecting supply from China and Taiwan

Regulations compliant

Thesaur operates under the EU's highest worker protection standards for processing



Strategic Opportunity: EU HPQS for AI Leadership

NAVIGATING RISKS IN GLOBAL POLYSILICON SUPPLY

EU regulations tighten on China’s HPQS, pushing companies to rethink sourcing for a cleaner, safer supply chain.

01

Geopolitical Stability

EU-sourced HPQS mitigates risks from China’s Xinjiang human rights concerns and Taiwan’s geopolitical tensions, positioning the EU as a hub for silicon wafer and chip production.

02

Regulatory Compliance

EU’s stringent worker safety standards reduce reputational and regulatory risks in HPQS processing.

03

AI Sovereignty

Domestic HPQS secures supply for EuroHPC AI Factory Initiative, countering U.S. export unpredictability.

04

Regional Leadership

Romania’s Black Sea AI Gigafactory (proposed June 2025) enhances AI infrastructure for Eastern Europe and allies.

05

Long-Term Resilience

EU HPQS ensures supply chain stability and compliance with labour rights, driving sustainable AI growth.

COMPETITIVE ADVANTAGE

Thesaur Redefines High-Purity Quartz with Eastern Europe’s Only Major Operation

Vertically integrated, sustainably driven, and built to scale—delivering 99.5%+ purity at 40% lower costs.



Market Position:

- Vertical integration from extraction to silicon wafer production.
- Only major HPQS operation in Eastern Europe.
- Proprietary processing techniques for 99.5%+ purity achievement.
- Sustainability Focus: BATNEEC principles, comprehensive restoration planning.

Technical Validation:

- Comprehensive Geological Survey (60 drillings).
- Laboratory Analysis (MINESA Cluj Napoca confirms 84-86% quartz content).
- Processing Verification (impurities crust-covering, energy-efficient purification).
- Academic Endorsement.
- Heavy Minerals Confirmed (Titanium Dioxide, Zircon).

Operational Excellence:

- Quality Consistency: Homogeneous reserves ensure predictable output.
- Cost Leadership: 40% lower production costs vs. Western European operations.
- Scalability: Modular processing design enables capacity expansion.
- ESG Compliance: Zero-harm safety objectives, community engagement programs.

Operational Readiness & Proof Points:

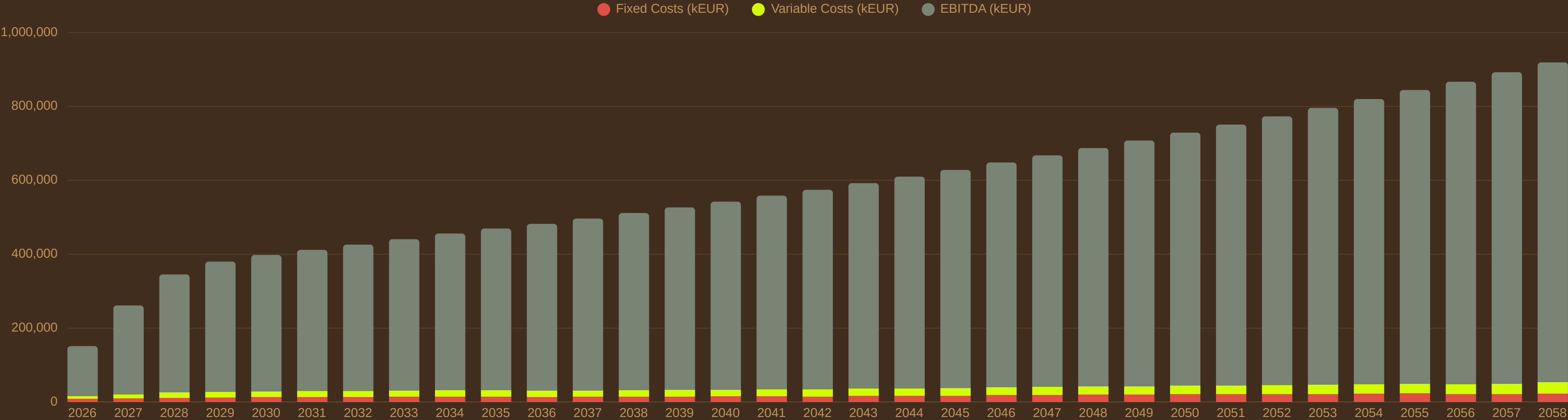
- Processing Site Secured (2.7-hectare industrial platform).
- Infrastructure Available (electrical grid, water, gas).
- Site Preparation Complete (Jan 2024).
- Equipment Specified (CDE plant).
- Regulatory Pathway (1 year development).
- **Proof of Concept:** Thesaur has already turned down a €140M buyout offer.



FINANCIAL PROJECTIONS

Forecasting Sustainable Growth

€45M investment unlocks €18.56B in revenue, delivering a 570% IRR, 69,261% ROI, and payback in under 2 years—secured by €200M+ offtake MoUs and robust risk mitigation.





The world's first
sand-backed cryptocurrency.
Real sand. Real value.



Opportunity: Buy a token backed by real world assets

The world’s first digital token fully backed by high-purity silica sand reserves, providing transparent, direct ownership, and passive income from Europe’s most advanced minerals project.

01

Real-World Asset Backing

eSand is fully backed 1:1 by Europe’s largest, independently-audited reserves of high-purity silica sand—providing direct, verifiable exposure to a strategic industrial commodity.

02

Profit-Sharing & Passive Income

Token holders earn regular payouts from the real profits generated by the processing and sale of the underlying sand, offering genuine passive income—not just capital appreciation.

03

Global Liquidity & Tradability

eSand combines industrial asset value with blockchain liquidity, enabling easy global transfer, secure storage, and flexible trading on leading crypto and DeFi markets.

04

Regulatory Confidence & Transparency

Built to strict EU environmental, labor, and compliance standards, with blockchain-based transparency and third-party audited reserves, eSand reduces risks for institutional and individual investors alike.

05

Major Upside Potential

Early-stage token pricing (as low as \$10–\$29 per ton) is set far below the projected end-market value of processed sand (\$800–\$1,000/ton), giving investors significant upside as the project grows.

Meet the team

Executive Leadership:



Zoltan Losonczi, MBA

Chairman
(24 years international business development)



Dan Valentin Rotar, BEc

CEO
18 years aggregates extraction, exclusive Henkel supplier



Lajos Losonczi, PhD

Chief Science Officer
47 years semiconductor technology, multiple patents

Operational Expertise:



Mircea Dragos Radu, PhD

CFO
38 years financial management, 22 years accounting/tax



Marius Silviu Pop, BEc

COO
30 years aggregates extraction operations)



Horatiu Mihail Rosca, BEc

CSO
35 years sales, decade as Country Sales Director

Specialized Functions:



Jozsef Szasz, MSc

Chief Logistics Officer
34 years logistics optimization



Beata Vidam, BEc

Licensing Officer
18 years regulatory compliance



Marton Kelemen, MSc

Environmental Officer
32 years environmental stewardship

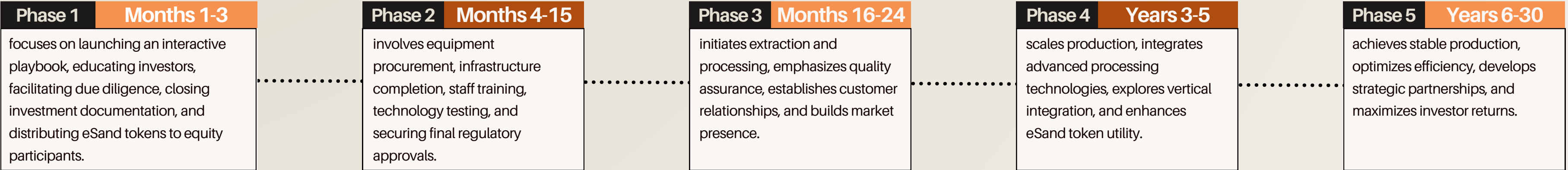
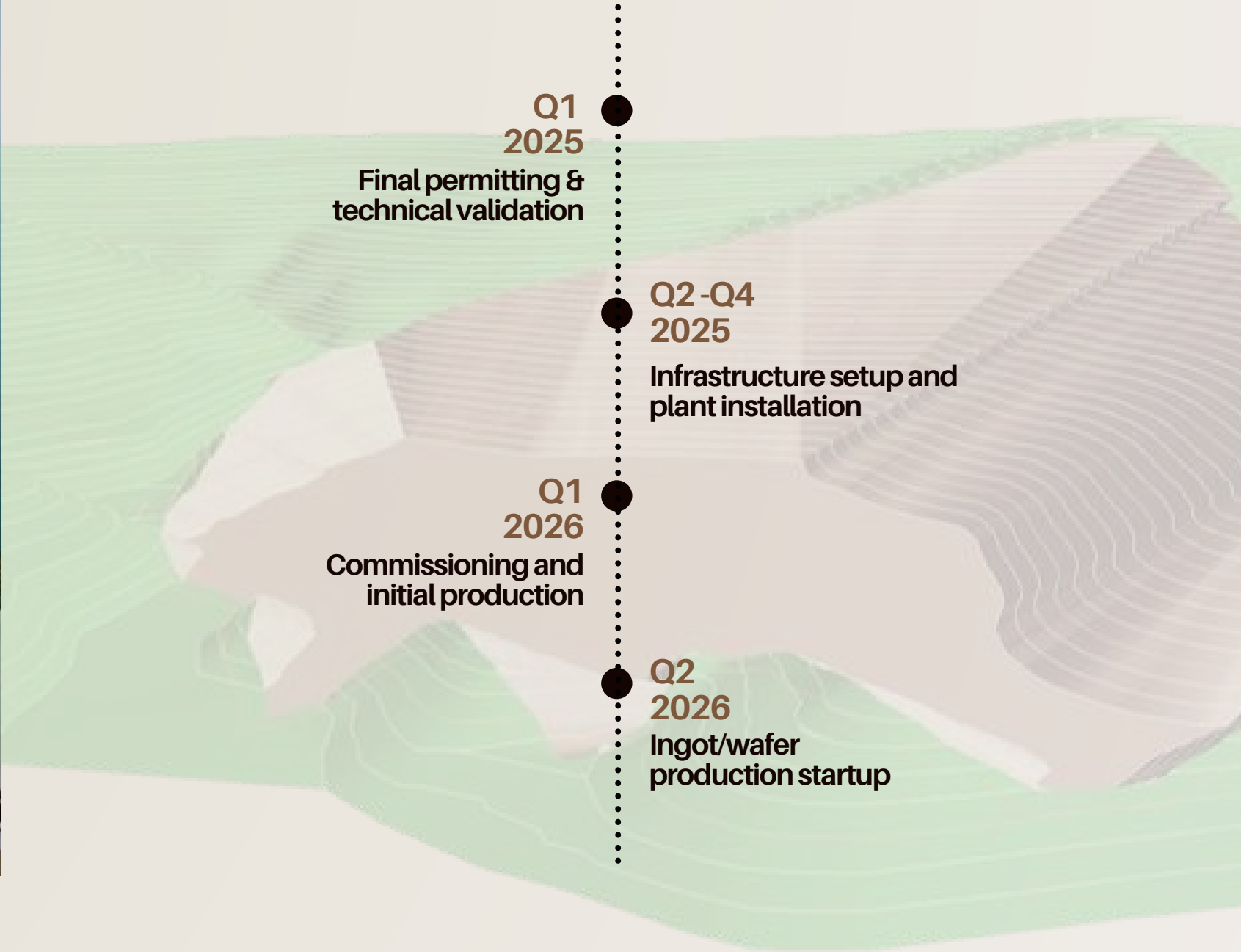


Alpar Erdos, MSc,MBA

HR Manager
30 years behavioral psychology, NASA/Olympic experience

DEVELOPMENT TIMELINE

The project unfolds
over five phases,
spanning from
investor onboarding
to mature operations.



QUARTZ

**The Hard Asset
Behind Soft
Power.**

SAND

Investment Decision Framework

Investment Window

Current Opportunity

€20M maximum raise (20% equity maximum)

Market Conditions

HPQS supply shortages creating premium pricing

Timing Urgency

Romania AI superhub development accelerating demand

Token Launch

eSand initial distribution tied to equity closing

Immediate Next Steps:

01

Management Presentation

Direct engagement with Thesaur leadership team

02

Conduct Site Visit

Physical inspection of reserves and facilities

03

Review Due Diligence Package

Complete technical and financial documentation

04

Model Investment Scenarios

Utilize interactive ROI calculators

05

Structure Investment Terms

Negotiate specific participation details



Our Team:



Joseph O'Brian
Chief Executive Officer



Cezar Sigmirean
Strategic Partnership Director



Adrian Gordan
Chief Operations Officer



Ivanna Fomenko
Chief Financial Officer



Andrew Cameron
Investor Relations Director

Core Capabilities

Strategic Services	Deep research & due diligence capabilities for complex projects	Internal marketing optimization for GTM potential	Regulatory compliance navigation across EU jurisdictions
Investor Relations			

This investment opportunity
is brought to you by



Referral-based Go-To-Market & Cluster
Business Shared Services Agency

Geographic Reach: Pan-European operations with Eastern European specialization

Core Competency: Specialized go-to-market strategy and funding facilitation

Industry Focus: Sustainability, solar energy, construction, security, education, FMCG

Proven Go-To-Market
Excellence with a Verified
Track Record:

Cross-Industry Expertise:
SME specialists across solar energy, construction, education, retail and emerging technologiesg for military and veteran projects in the United Kingdom

Education Sector: Successfully launched UK's largest portfolio of online masters programmes for Skilled Education and The University of Hertfordshire	Renewable Energy: Created and established Ibiza's premium solar panel installation company IbizaSunPower	Defense/Security: Currently securing funding for military and veteran projects in the United Kingdom
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THANK

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YOU