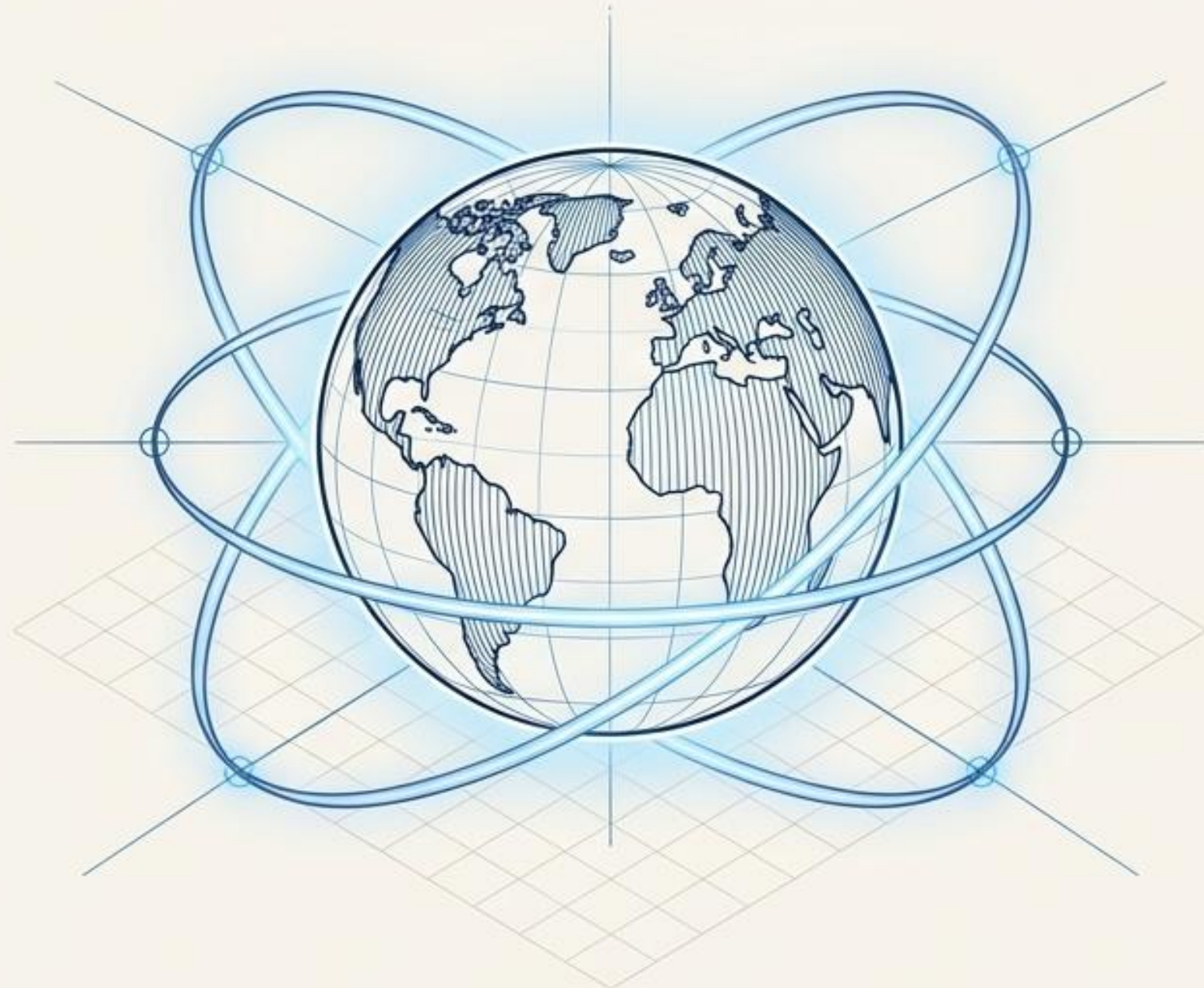


The E&P Dilemma: Demand Collides with Reality

The World Needs Resources

Global Inevitability: Rising unyielding demand for critical minerals, deep geothermal energy, and transitional hydrocarbons for the future.




The Public & Environmental Rejection

The Regulatory Wall: Traditional extraction faces strict opposition due to acoustic disruption, aquifer contamination risks, and massive deforestation.



 **Acoustic Disruption**

Severe acoustic disturbance: acoustic disruption, severs, vibrations and vibration.

 **Aquifer Contamination**

Aquifer's depletion and contain acoustic disruption, aquifer contamination risks.

 **Massive Deforestation**

Massive deforestation, faces strin dead contamination risks, and massive deforestation.

The Brute Force of Tradition

Why Legacy Seismic is Failing Financially and Environmentally

Explosive Seismic (Dynamite)

High-frequency signals via detonation. Instantly destroys the immediate plastic zone, fractures deep rock, and causes severe acoustic trauma to native fauna and flora.



Vibroseis (20-30 Ton Trucks)

Requires massive line-clearing operations (3-5m wide deforestation paths). Causes severe topsoil compaction, fragmentation of delicate habitats, and high carbon emissions.



The Iceberg of Bureaucracy: The True Cost of 'Blind' Exploration

Above the Surface: Visible Costs

Application Fees: Hundreds of thousands in USD for processing

Signing Bonuses: Millions paid non-recoverable to the state upon signature

Below the Surface: Hidden Liabilities

18-36 Month Operational Delays: Stalled capital

Legal & Tax Consulting: Contract negotiations and compliance fees

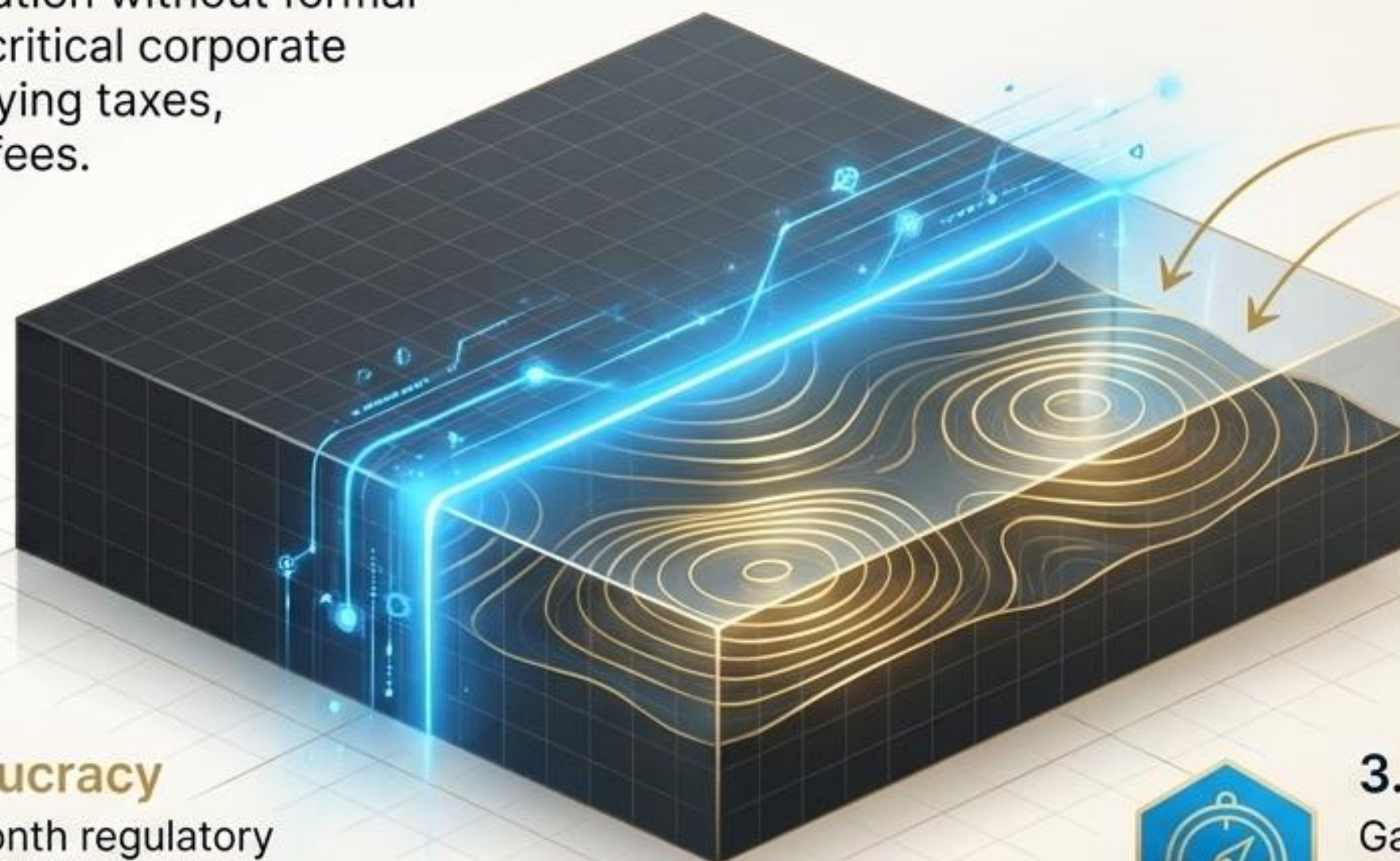
Massive Impact Studies (EIA): Expensive, multi-year ecological modeling

Insurance & Bank Guarantees: Multi-million dollar liability coverage

The Ultimate Risk: Drilling expensive dry holes in sterile blocks

The Paradigm Shift: 'Phase Zero' in Spy Mode

Execute RSS-NMR exploration without formal legal permits. Reach the critical corporate decision point without paying taxes, bonuses, or government fees.



Reservoir Targets /
Sweet Spots



1. Zero Bureaucracy

Bypass 18-36 month regulatory wait times entirely.




3. Strategic Foresight

Gain a massive competitive advantage in bidding rounds by seeing inside the block before before capital commitment.



2. Direct Detection

Identify actual fluid presence, not just structural rock shapes.

 SUB-SURFACE
PRECISION

RSS-NMR: Exploration from Space

The Core Difference: Statistical Hope vs. Direct Confirmation

Legacy Method (The Sonar)





Traditional seismic bounces sound waves off structures to draw underground shapes. It provides only a statistical hope that fluids might be trapped inside.

Phase Zero (The X-Ray)



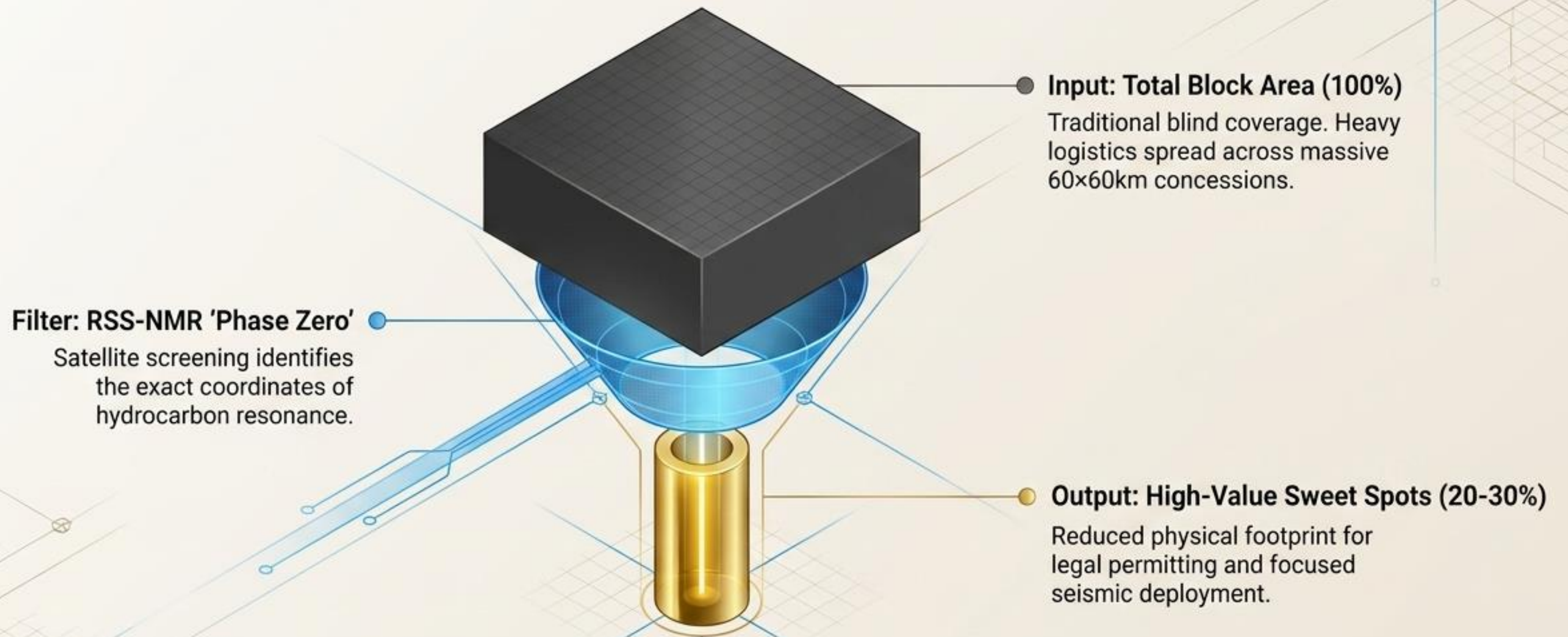
Remote Sensing Survey - Nuclear Magnetic Resonance (RSS-NMR) detects the actual molecular footprint of fluids (water, oil, gas) directly from satellites, completely untouched.

 **Zero Impact:** 100% passive. No deforestation or vibrations.

 **Velocity:** Reduces years of exploration down to 2 months.

The CAPEX Optimization Funnel

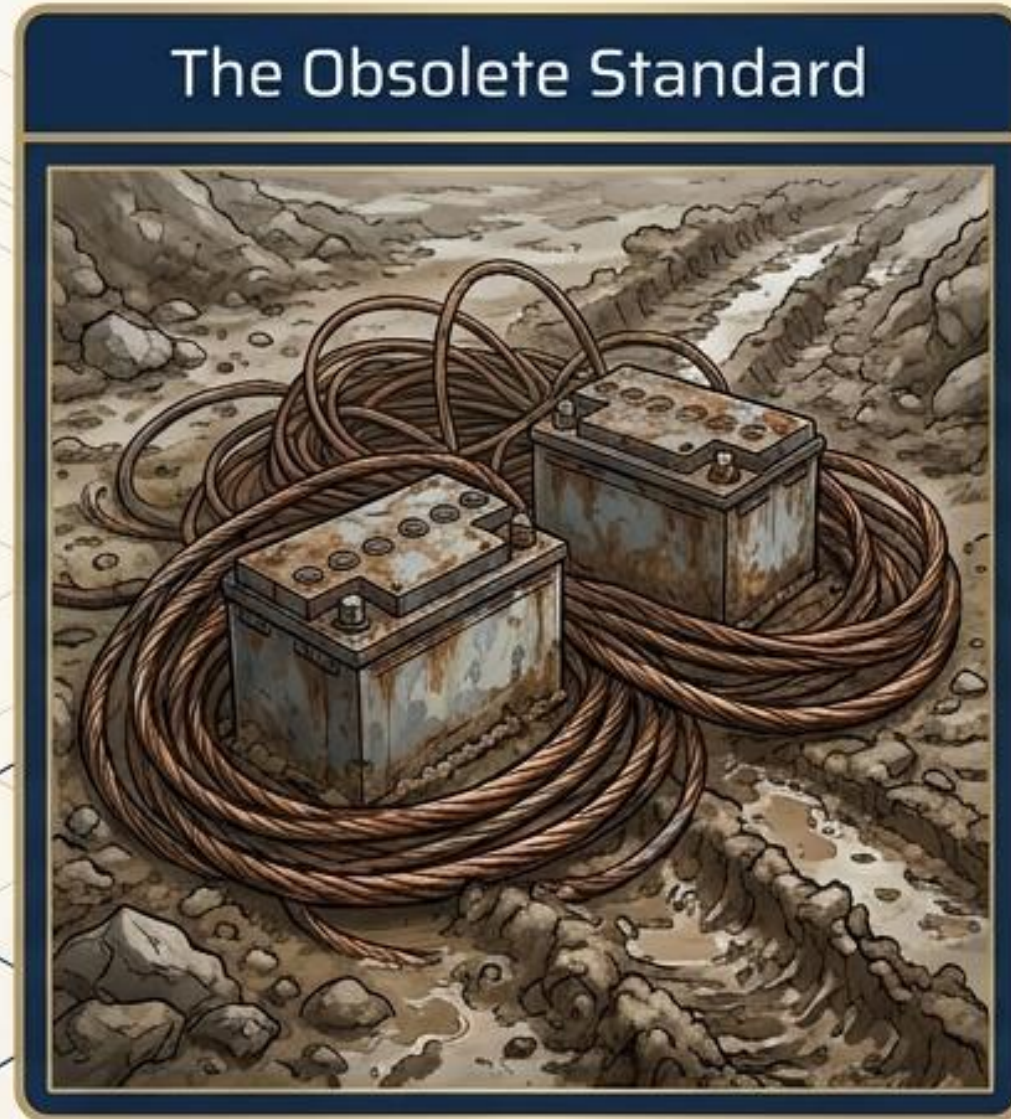
Shrinking the Operational Footprint to Guarantee ROI



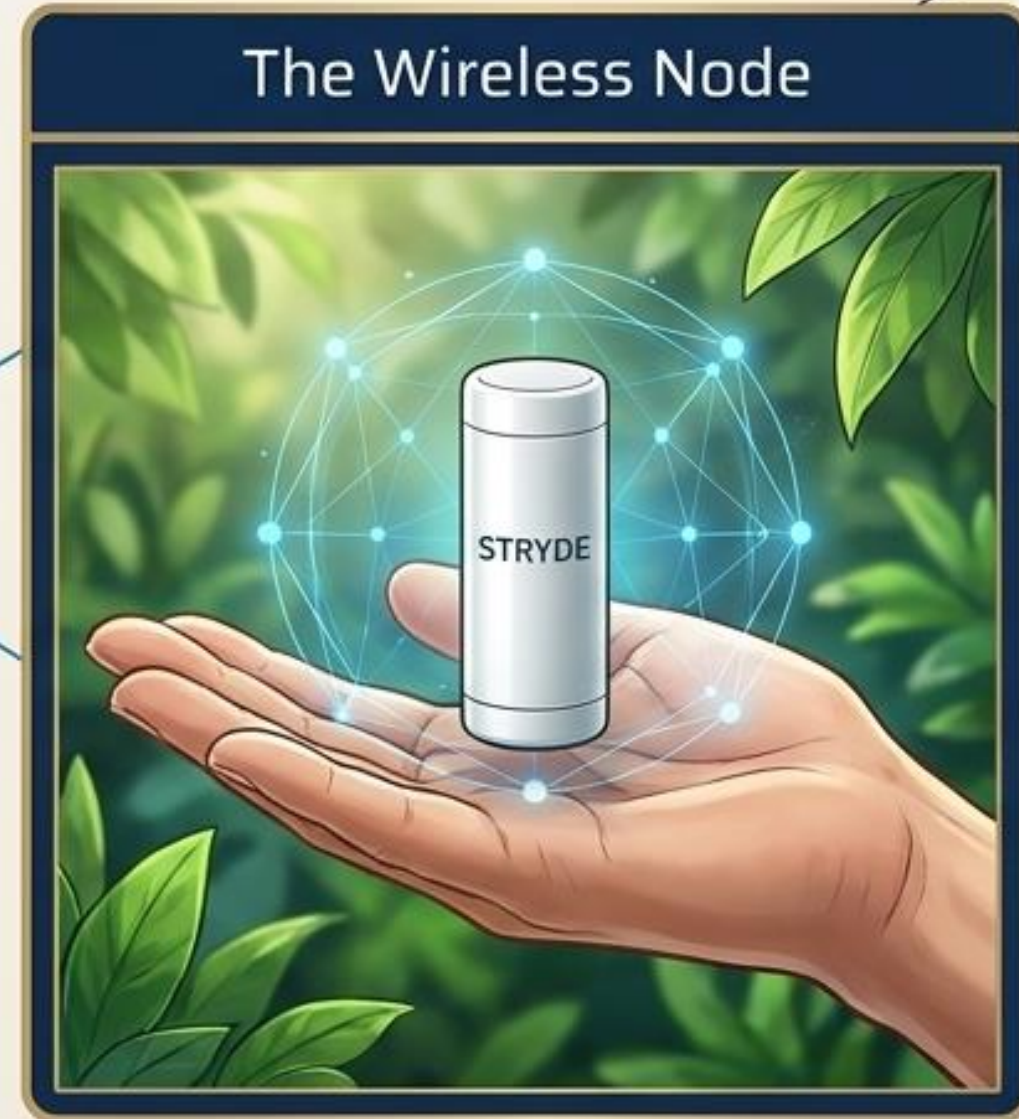
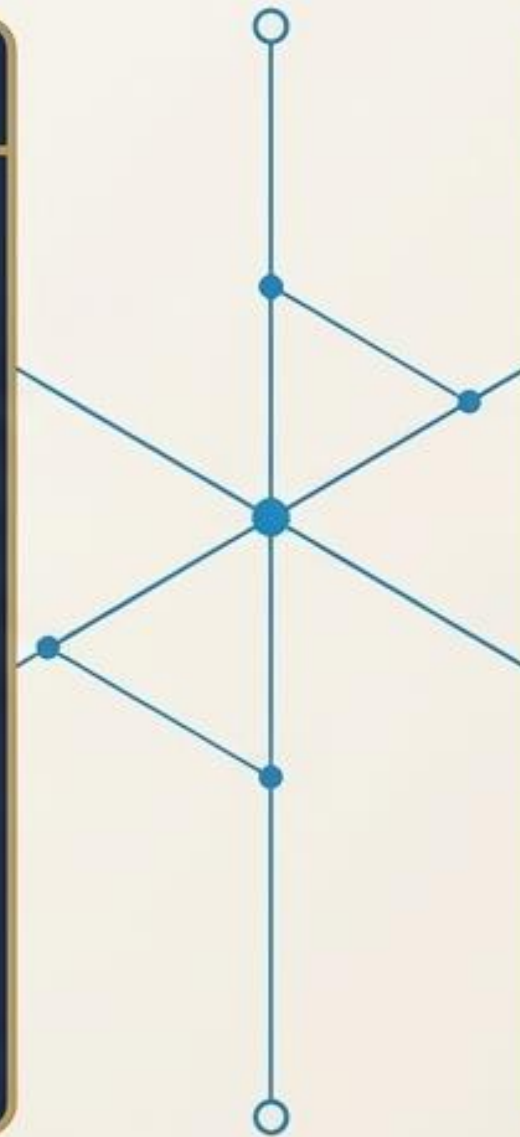
By limiting physical seismic campaigns exclusively to the 20-30% of the area with proven hydrocarbons, operational OPEX/CAPEX plummets, and logistical risk is virtually eliminated.

Phase 2 on the Ground: The Nodal Revolution (LIS)

From Tons of Copper to Grams of Silicon



Massive logistical footprint. Kilometers of heavy, vulnerable copper cables, extreme weight, requiring fleets of heavy all-terrain vehicles to deploy.



Complete autonomy. 150-gram wireless sensors containing geophones, batteries, GPS, and memory. Deployed entirely on foot using backpacks.

Tactical Micro-Targeting: Passive vs. Active Light Seismic

Choosing the exact LIS configuration for extreme terrains.

TenzorGEO (Passive LFS)

- Uses natural ambient earth noise.
- 0.5 - 10 Hz passive P waves.
- 85% predictive success rate.
- Zero environmental footprint. Ideal for ultra-sensitive zones.



Active Light Nodes (STRYDE + Explor)

- Miniaturized sensors paired with highly mobile impulse sources.
- Uses PinPoint or 1500kg EnviroVibe.
- Yields ultra-high resolution 3D/4D imaging.
- Ideal for rapid deployment.

The Spatial Footprint: Preserving the Canopy

Why legacy methods are legally banned, and nodes are approved.

Legacy Destructive Clearing



Straight 8-meter-wide bulldozed tracks fragment habitats, expose fauna to predators, and require massive deforestation just to place cables.

Node-Based Sinuous Lines



Manual deployment creates paths less than 2 meters wide. Technicians walk organically around vegetation, preserving the canopy and leaving zero permanent scarring.

The Perfect Synergy: The New Standard

Macro Detection meets Micro Resolution.

Step 1: Satellite Screening (RSS-NMR)



Execute "Spy Mode". Identify exact fluid presence from the sky without alerting the ground or triggering permits.



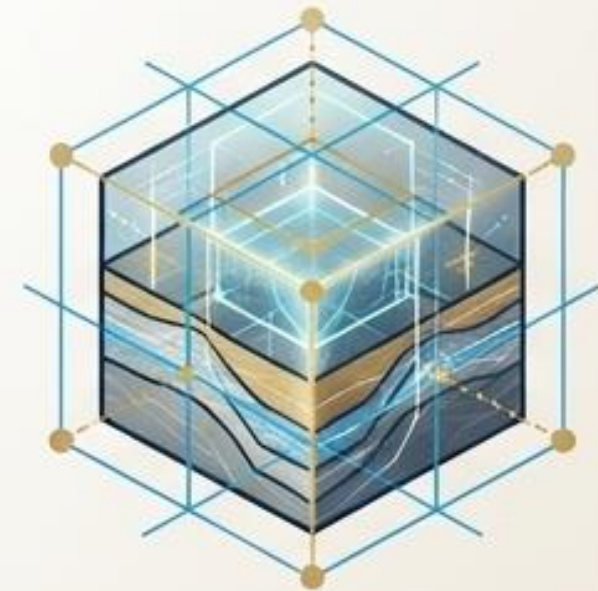
Step 2: Focused Deployment (LIS Nodes)



Light teams access ONLY the identified "Sweet Spots" on foot, deploying dense arrays of wireless sensors with zero heavy machinery.



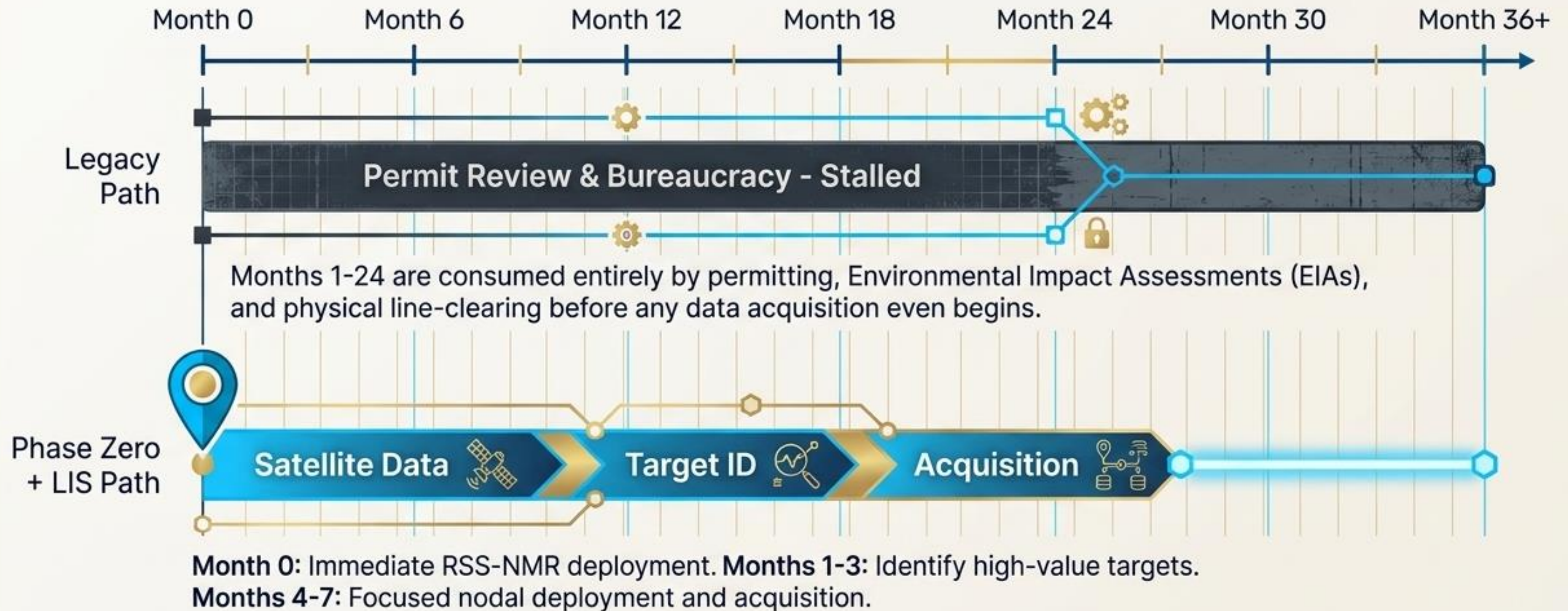
Step 3: Ultra-Resolution Modeling (3D/4D)



Processing algorithms merge fluid resonance data with high-density seismic maps, creating perfect models with near-zero carbon footprint.

Time is Alpha: Eliminating the Bureaucratic Drag







Recouping 18 Months of Lost Time.



Conclusion: An optimized 'Sweet Spots' approach saves 12 to 18 months on the global project timeline.

The Matrix: Legacy vs. Next-Gen Framework

The Ultimate Decision Scorecard.

Key Performance Indicator	Conventional Seismic (Explosives/Cables)	Vibroseis (Heavy Trucks)	The Modern Combo (RSS-NMR + Nodes)
Fluid Identification	● Indirect ●	● Indirect ●	Direct via NMR 
3D Density & Resolution	● Limited by cables ●	● Limited ●	Ultra-High Density 
Impact on Soil & Flora	Very High / Deforestation	● High / Compaction ●	Zero Cutting / Manual 
Acoustic Disturbance	● Severe ●	● Moderate ●	Zero to Minimal 
Carbon Emissions	● Moderate ●	● High ●	Near Zero 
Viability in National Parks	● Null ●	● Null ●	Total Viability 

Case Study: Conquering the Paraguayan Chaco

Executing the Impossible Terrain.

The Challenge

Deep reservoirs (>3000m) located directly under ultra-sensitive National Parks. Home to highly protected species like the yagareté and taguá.

The Legal Reality

Traditional dynamite and 30-ton Vibroseis trucks are strictly banned by environmental regulators due to irreversible topsoil destruction and acoustic damage.

The Only Solution

RSS-NMR scans the entire block from space with zero impact. LIS Nodes are dropped manually into the identified anomalies.

Result: 100% regulatory compliance, exact drill positioning, and zero habitat destruction.



The E&P Model of the Future: Risk Zero, Deploy with Precision

RSS-NMR and LIS are the ultimate financial optimizers.

Summary 1

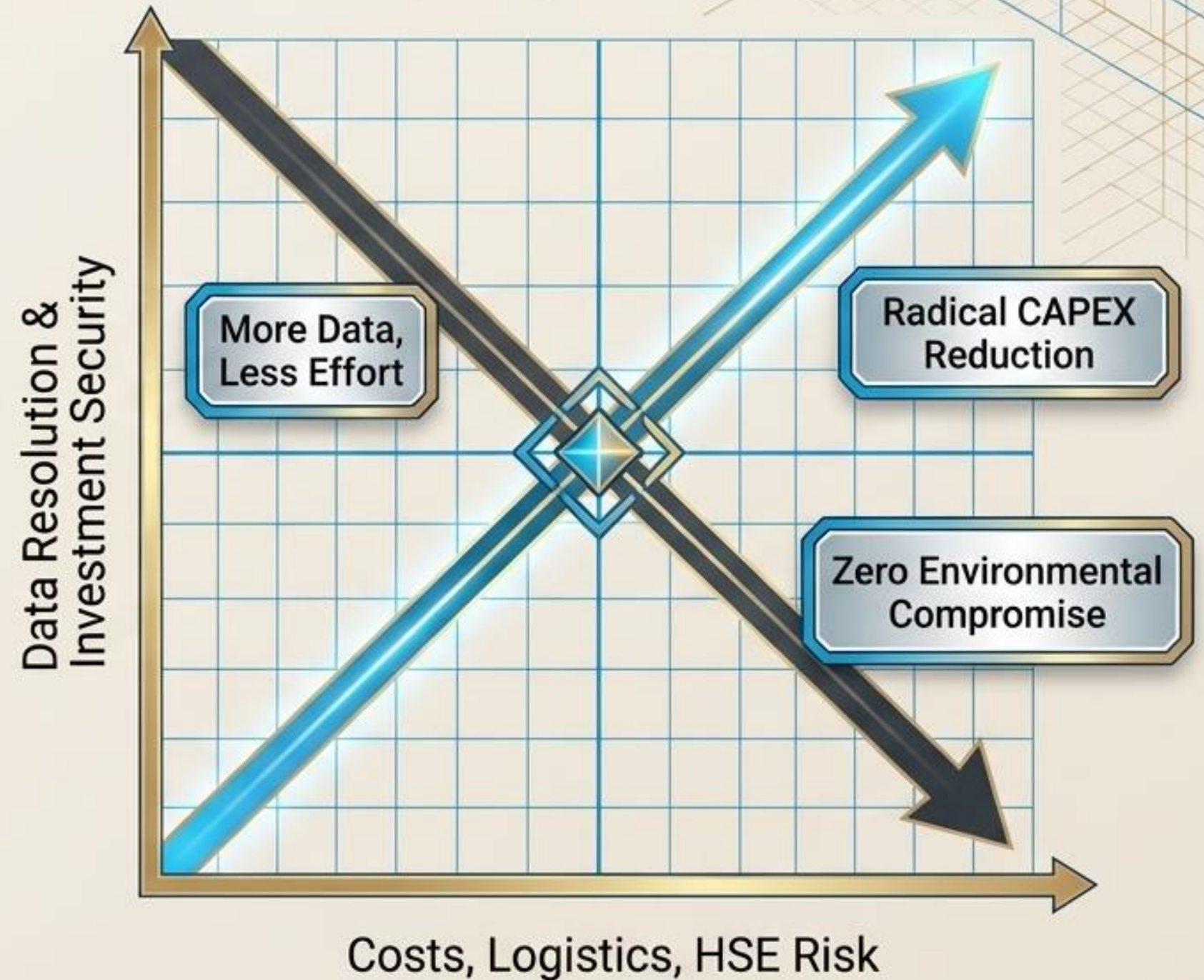
RSS-NMR absorbs the initial exploration risk. No capital is committed to heavy logistics without direct evidence of fluids.

Summary 2

Surgical Permitting. The massive burden of legal bureaucracy is only triggered when ROI is virtually guaranteed.

Conclusion

Activating Phase Zero ensures absolute control over exploration CAPEX.





Made
in Russia

Voluntary certification system «Made in Russia»
Registered in the Unified Register of registered voluntary certification systems
Reg. № РОСС RU.31685.04P003 from the 24th of May 2017

Система добровольной сертификации «Сделано в России»
Зарегистрирована в Едином реестре зарегистрированных систем
добровольной сертификации
Рег. № РОСС RU.31685.04P003 от 24 мая 2017 г.

CERTIFICATE OF CONFORMITY СЕРТИФИКАТ СООТВЕТСТВИЯ

№ CC.002647

Valid from 23.10.2025 to 05.10.2028

Срок действия с по

Applicant/Manufacturer: Poisk Group LLC, 299040, Russia, Sevastopol,
st. Khristofora, 143

Заявитель/Производитель: ООО «ГРУППА ПОИСК», 299040, Россия, г. Севастополь,
ул. Христофора, к. 143

Products: Methodology for calculating predicted ore reserves in deep-lying deposits using
the parameters of ore bodies obtained using remote geospatial methods of geological exploration
and field geophysical equipment of the Poisk company (FEACH of the OJSC VEKONTEK)

Продукция: Методика подсчета прогнозных запасов руд в глубинных залежах, с
использованием параметров рудных тел, полученных с помощью дистанционных
геоспациальных методов геологического изучения и полевых геофизической аппаратуры компании
«Поиск» (код ТН ВЭД ЕАЭС 901580100)

Comply with the voluntary certification system "Made in Russia" requirements.
Соответствует требованиям Системы добровольной сертификации «Сделано в России».

Certificate is issued on the basis of: Declaration of conformity company Poisk Group LLC
on the Reliability of the voluntary certification system "Made in Russia" dated 07.10.2025 No. 1/05.
Сертификат выдан на основании: Декларации о соответствии компании
ООО «ГРУППА ПОИСК» № 1/05 от 07.10.2025 по направлению «Надежность» системы
добровольной сертификации «Сделано в России».

Made in Russia VCS Holder RussiaExpert Center JSC
125150, Moscow, Priblennykh Yuzhnykh ulits
Компьютерная компания «Эксперт-Центр»
e-mail: info@rus-expert.ru
tel: +7(495)927-47-47

Держатель СДС «Сделано в России» АО «Российский экспортный
центр» 125150, г. Москва, Прибл. Южные ул.
Продуктовый код: Квалификационный Центр, ул. Мухоморова, д. 10
8240 Удобрения/Фосфорные удобрения@ros-expert.ru
tel: +7(495)927-47-47

Vice President
Вице-президент



A.V. Solodov
А.В. Солодов

002647

СИСТЕМА ДОБРОВОЛЬНОЙ СЕРТИФИКАЦИИ «ГРИННЕР-ЭКСПЕРТ»
Рег. № РОСС RU.31678.04P003 от 14.10.2016 г.



СЕРТИФИКАТ СООТВЕТСТВИЯ

№ РОСС RU.31678.04P003

Срок действия с 24.09.2021 по 24.09.2028

№ 0057630

ОБЛАСТЬ СЕРТИФИКАЦИИ: ПОСЛУЖИТЕЛЬСТВО

Сфера и область применения продукции ООО «Гриннер-Эксперт», адрес: 140000, РОССИЯ, Московская обл., городские округа
Самостоятельный округ Солнечногорский, Дзержинский, ул. № 14, стр. 4, этаж третий/31, телефон: 77-49076100,
адрес электронной почты: gnt@grinners.ru

ПРОДУКЦИЯ: Методика подсчета прогнозных запасов руд в рудных залежах с
использованием параметров рудных тел, полученных с помощью дистанционных геоспациальных
методов геологического изучения и полевых геофизической аппаратуры компании «Сделано в
России».

код СДС
01.11.11

СООТВЕТСТВИЕ ТРЕБОВАНИЯМ НОРМАТИВНЫХ ДОКУМЕНТОВ

код ТН ВЭД

ИЗДАТЕЛЬСТВО: Общество с ограниченной ответственностью «Группа Поиск», ОГРН: 1030000000000, ИНН:
5004000000, адрес: 299040, РОССИЯ, город Севастополь, ул. Христофора, д. 143, телефон:
+7(916)100, адрес электронной почты: gnt@grinners.ru

СЕРТИФИКАТ ВЫДАДИ: Общество с ограниченной ответственностью «Группа Поиск», ОГРН: 1103000000000,
ИНН: 504504184, адрес: 299040, РОССИЯ, город Севастополь, ул. Христофора, д. 143, телефон:
+7(916)100, адрес электронной почты: gnt@grinners.ru

НА ОСНОВАНИИ

Протокола испытаний № 001/1-24/09/21 от 24.09.2021 года, выданного Национальным оператором/Техническим
агентством РОСС RU.31678.04P003.

ДОСТАВЛЯЕТСЯ НАД: ПОДПИСАНИЕ
(Сфера применения: 1)



Руководитель центра

Подпись

Сертификат на предмет соответствия требованиям сертификации

A.I. Fomin
А.И. Фомина

Disclaimer

The opinions, analyses, and explanations expressed in this text are solely those of their author, Michel Louis Friedman. They do not represent the views of any institution, company, employer, or other entity. The author disclaims all liability for the use or interpretation of this material.

- Copyright Law © **March 11, 1957 Law No. 57-298** concerning the ownership of literature and artists.
- Copyright © **2009-2026 Fands-LLC div. Proactive Economic Intelligence**
- All U.S. rights and registered trademarks are in accordance with applicable law.
- Copyright © **2005-2026 Fands-LLC**
- All copyright and trademark protected under the US Copyright Act of 1976 (**Title 17 of the United States Code**).
- Patents and Trademarks (December 12, 1980) <https://www.copyright.gov/>

Copyright © Michel Louis Friedman, 01/2026. All rights reserved. No reproduction without permission.

Michel L. Friedman-Matarese

(Destom LH 67/11)

-  Mobile: +591-71696657
-  WhatsApp: +591-71696657
-  Email: michel@geo-nmr.net
-  In Charge: Africa & Américas
-  Speaker: FR-UK-ES-BR/PT
-  GMT: -04h
-  Base: Bolivia, Santa Cruz

Kotelianets Igor

Director of LLC "Poisk Group"

-  Tel: +78692456491
-  WhatsApp: +79787155212
-  Email: igor@geo-nmr.net
-  In Charge: World
-  Speaker: RU-UK
-  GMT: +03h
-  Base: Sevastopol, Rusia

VERSATILITY OF APPLICATION



HYDROCARBONS

Oil
Gas
Condensed



PRECIOUS METALS AND BASES

Gold
Copper
Lithium
Nickel



STRATEGIC

Uranium
Diamonds
Coal



WATER RESOURCES

Drinking Water
Underground
Geothermal

The technology eliminates false positives by identifying the specific type of mineral.