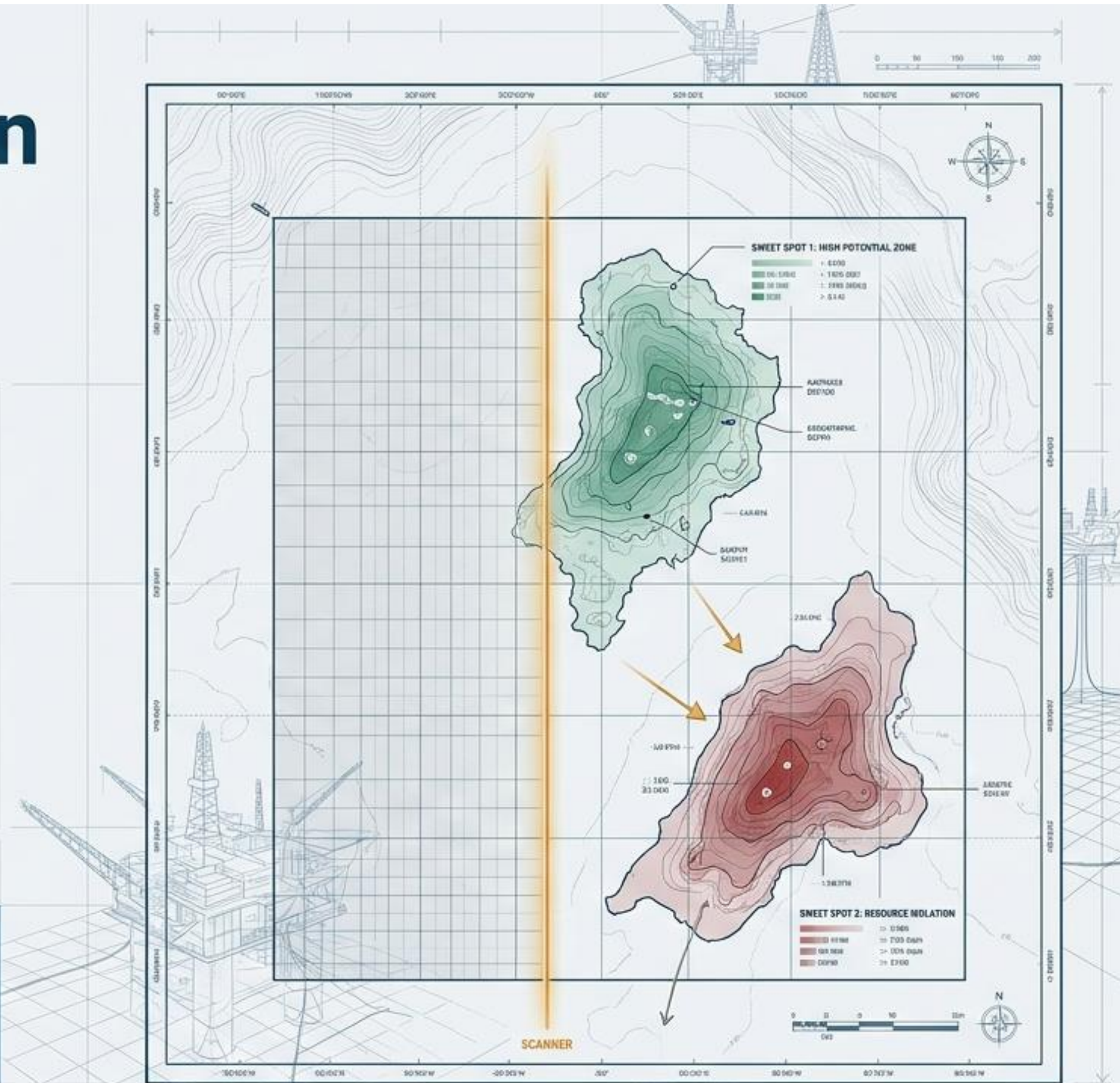


Stage Zero Exploration

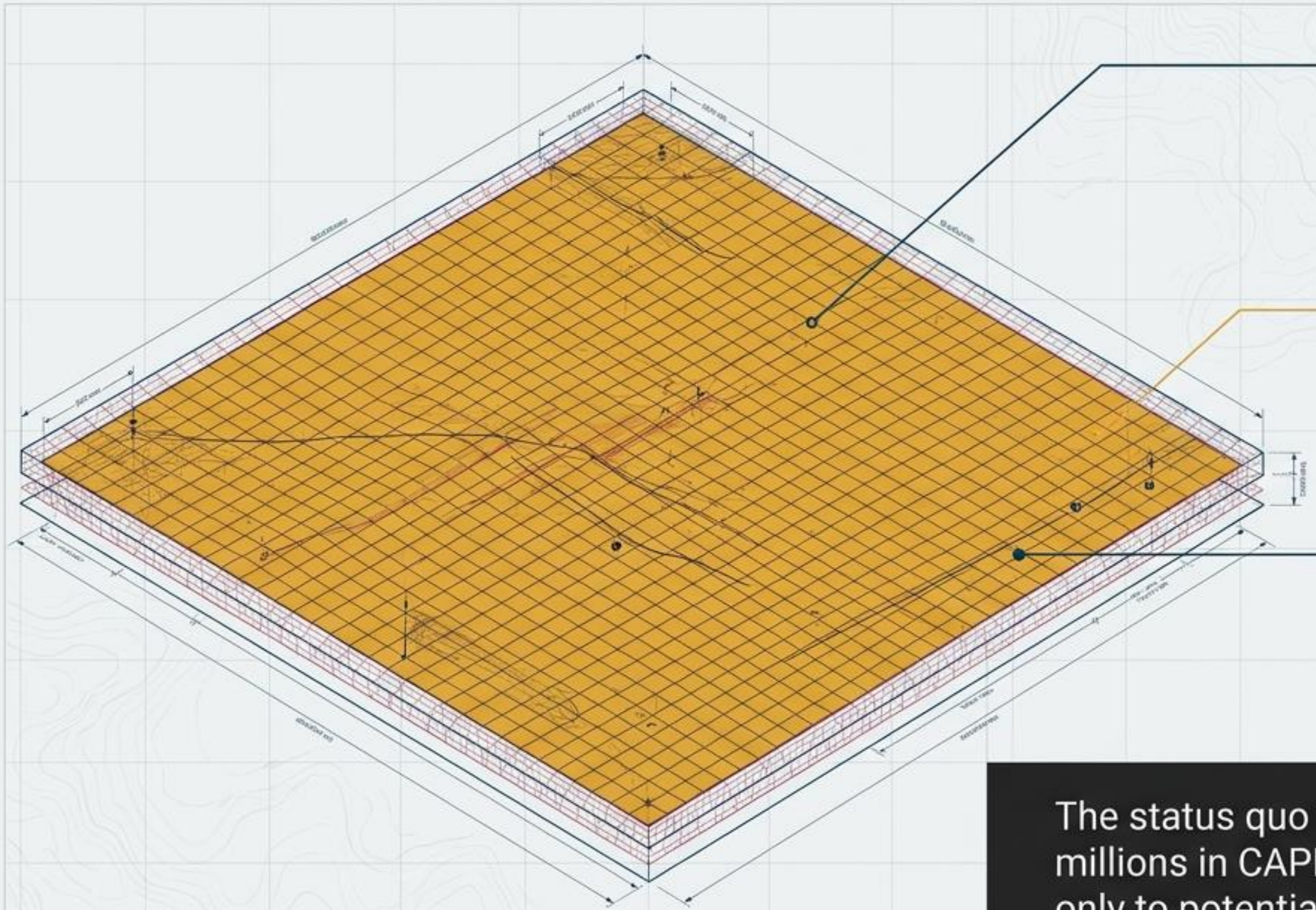
Escaping the Financial Burden of Total Seismic Coverage



How RSS-NMR pre-screening optimizes E&P capital, bypasses initial regulatory bottlenecks, and isolates hydrocarbon sweet spots.



The Financial Burden of Total Coverage



The Coverage Trap

For a typical 1,000 km² concession, current systematic methods require scanning 100% of the area in the statistical hope of finding fluids.

The Logistics Drain

Large blocks (e.g., 60x60 km) demand massive upfront capital, millions in specialized equipment, and months of heavy marine/terrestrial logistics.

The Interpretation Lag

Processing and interpreting total-coverage data adds severe delays and compounding operational costs.

The status quo forces operators to risk tens of millions in CAPEX on fully systematic campaigns—only to potentially find a barren block.

The Regulatory Paralyzation (Before the First Scan)



Phase 1: Legal & Financial Proof

Securing operator status, demonstrating sufficient share capital, providing heavy bank guarantees, and proving technical capacity (subcontractors, history).

Phase 2: The Application Package

Defining the block, objectives, detailed timeline, minimum work programs, and investment schedules.

Phase 3: The ESIA Bottleneck

Completing complex Environmental and Social Impact Assessments (ecological risks, pollution, marine biodiversity, spill response plans, public consultations).

Phase 4: Contractual Lockdown

Negotiating production sharing, advancing royalties, and securing industrial safety authorizations.

This massive administrative undertaking is legally required just to look at the block.

The Permitting Reality: Timeline & Friction

	Onshore	Offshore
Permit Type	Exclusive Exploration Permit (PER)	Petroleum Exploration Permit / License
Initial Duration	~5 years (renewable)	2 to 6 years (renewable under strict conditions like fractional abandonment)
Review Time (The Lock-up)	6 to 24 months	18 to 36 months (Critical delay for complex projects)
Required Studies	Simplified/full EIA, field routes, social impact	Marine risks, spill modeling, vessel tracking, offshore fauna

Takeaway: Offshore exploration can freeze capital and strategic momentum for up to 3 years before data acquisition even begins.

The Hidden Cost Structure of Exploration Permits



Top Tier: Direct State Costs

- **Award Bonuses:** Non-recoverable, millions of USD paid upon signing.
- **Application Fees:** Registration, processing, and annual royalties.

Middle Tier: Operational Pre-Costs

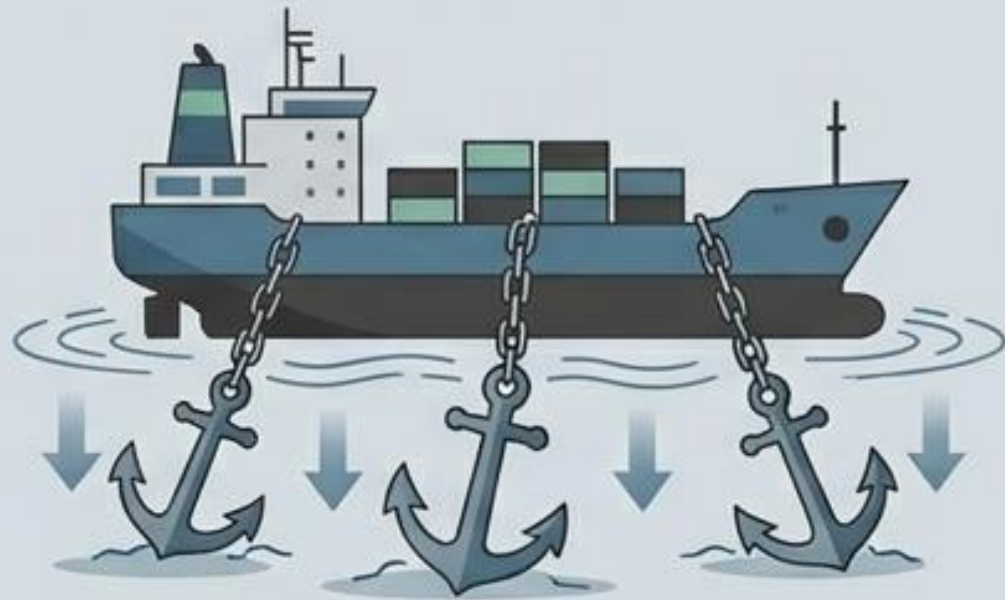
- **Macro Studies:** Internal E&P preliminary geological modeling and market studies.
- **ESIA Campaigns:** Costing hundreds of thousands of dollars for marine biodiversity and offshore scientific campaigns.
- **Advisory Fees:** Specialized oil industry lawyers and tax optimization consultants.
- **Insurance:** Premiums for pollution and well liability.

Bottom Tier: Indirect/Friction Costs

- **Administration Incentives:** Indirect costs required to move documentation in certain developing regions.
- **NGO Compensations:** Costs for informal approvals to prevent project blockades.
- **Mandatory Joint-Venture Sharing:** Forced equity dilution on large projects.

The Paradigm Shift: RSS-NMR as Stage Zero

Traditional Permit



Traditional Permit

Requesting a full exploration permit triggers all taxes, delays, and fees just to establish block viability.

Stage Zero / Spy Mode



Stage Zero / Spy Mode

Performing RSS-NMR exploration in Spy Mode. **Crucially, no** formal exploration permit is required for this phase.

10–15x Cheaper

Massive reduction in initial cost compared to conventional seismic.

Direct Detection

Directly identifies fluid presence rather than just structural probability.

10x Risk Reduction

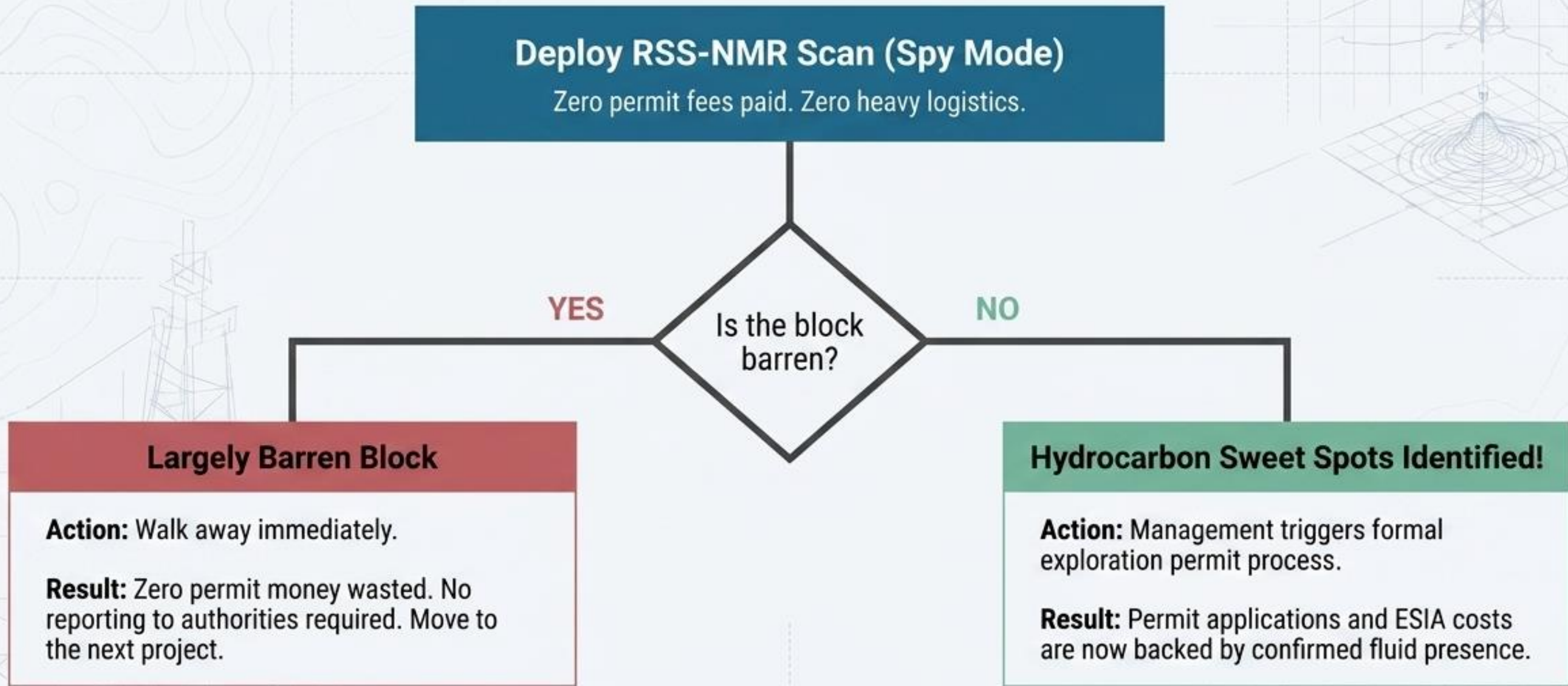
Drops the risk of drilling dry wells by a full order of magnitude.

Technology Diagnostic: Reconnaissance vs. Heavy Infantry

	RSS-NMR (Stage Zero)	Standard Seismic
Primary Output	Direct fluid detection & reservoir parameters.	Structural imaging & trap probability.
Legal Friction	None/Low (Spy Mode compatible).	Extremely High (Requires full PER/License).
Scalability	High (Economies of scale make large-area surveys highly cost-effective).	Poor (Costs and logistics multiply exponentially with area size).
Project Phase	Pre-screening & sweet spot isolation.	Final reservoir modeling & development planning.

Key Takeaway: RSS-NMR does not replace seismic; it protects your seismic budget.

The Stage Zero Operational Logic

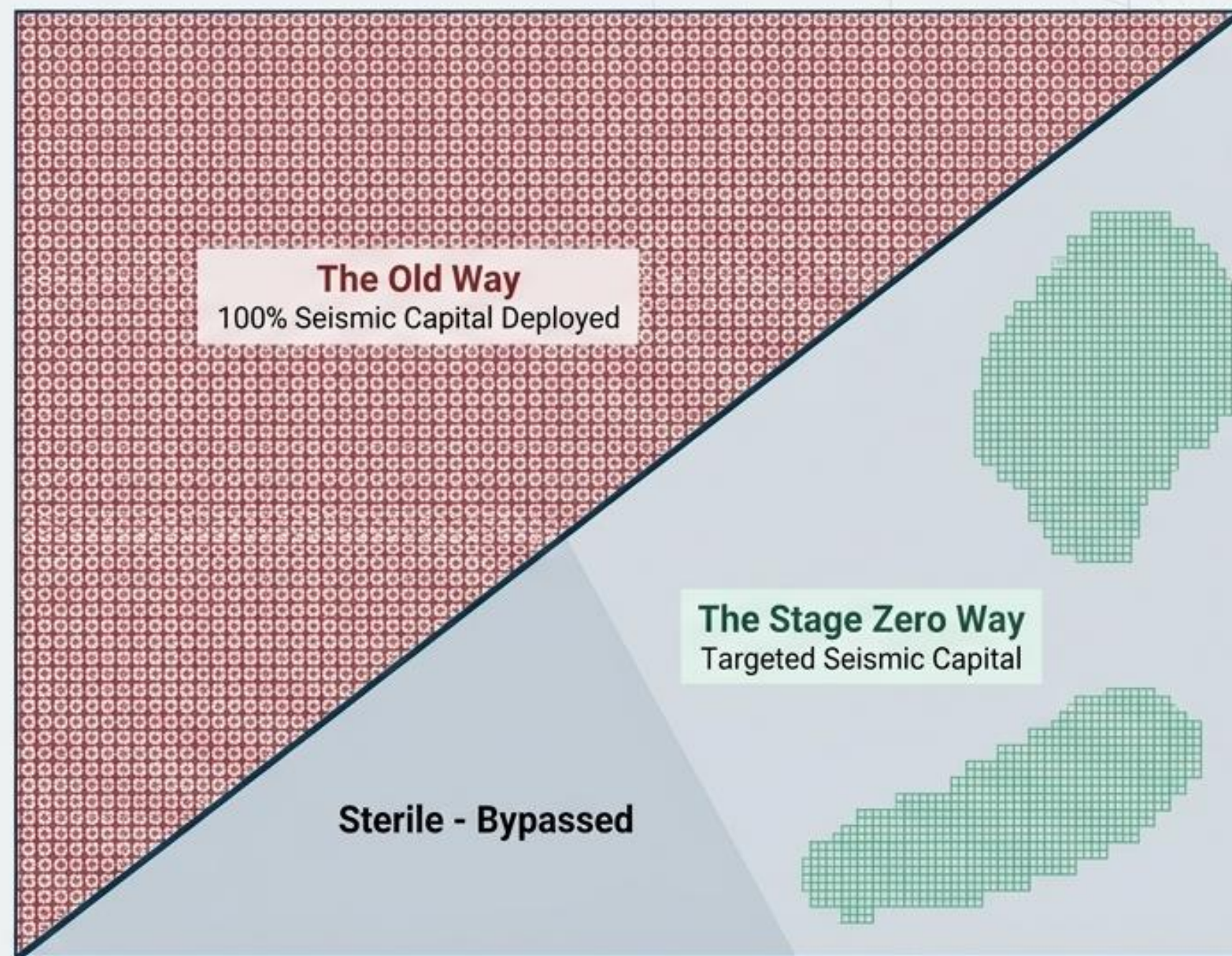


The 30% Strategy: Slashing Total CAPEX

By deploying RSS-NMR first, operators map the fluid presence across the entire block. This allows E&P teams to grey out **70-80%** of barren territory.

Traditional, expensive seismic is then purchased only for the 20-30% of the map where high hydrocarbon probability is already confirmed.

**Avoids tens of millions of USD
in unnecessary seismic
campaigns and dry wells.**



Operational Realities & Necessary Validation

Limitations of RSS-NMR

- **Not a structural replacement:** Provides fluid presence but lacks detailed structural imaging.
- **Industry Skepticism:** Less widespread than seismic; may face skepticism from traditional regulators or joint-venture partners.

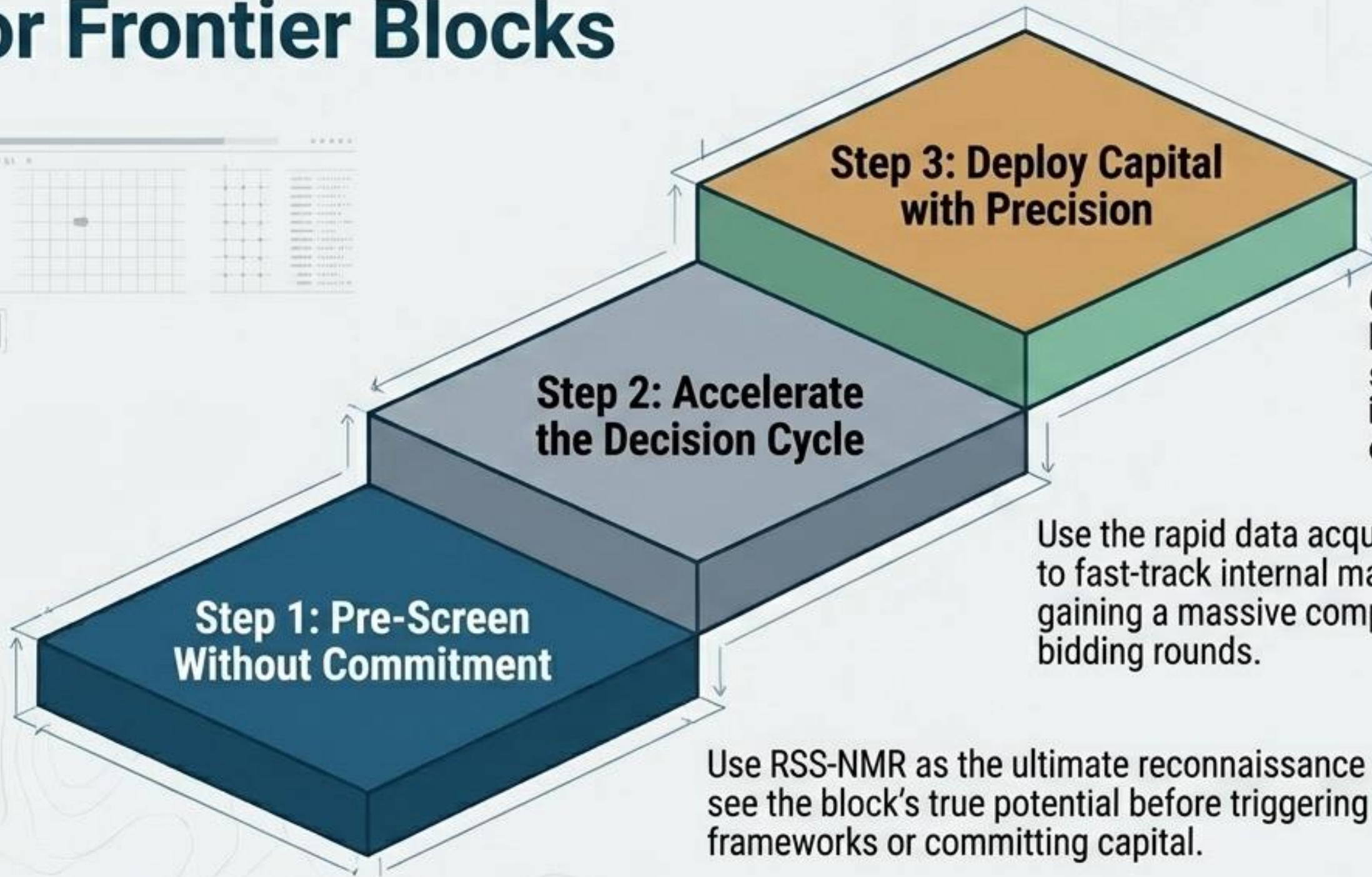
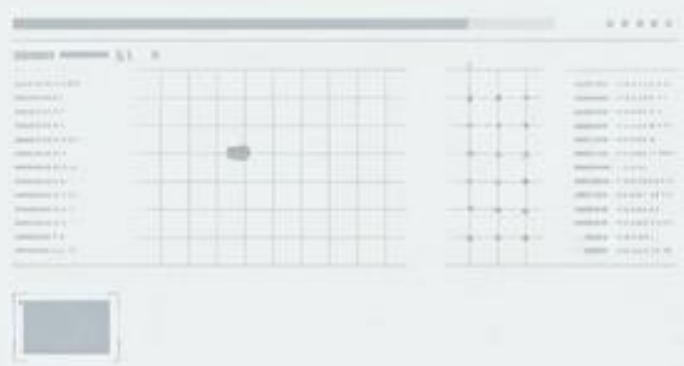


The Validation Requirement

- **The Closer:** Seismic is still strictly required for final reservoir modeling and precise development planning.
- **The Drill:** RSS-NMR anomalies must ultimately be confirmed by targeted seismic and physical drilling before full field development.

Summary: RSS-NMR is the scout that finds the target; Seismic is the sniper that confirms the shot.

The Strategic Playbook for Frontier Blocks



Step 1: Pre-Screen Without Commitment

Use RSS-NMR as the ultimate reconnaissance tool to see the block's true potential before triggering legal frameworks or committing capital.

Step 2: Accelerate the Decision Cycle

Use the rapid data acquisition of RSS-NMR to fast-track internal management decisions, gaining a massive competitive advantage in bidding rounds.

Step 3: Deploy Capital with Precision

Once a permit is secured for a viable block, follow up with heavy targeted seismic surveys **only in the identified promising areas**, perfectly optimizing CAPEX allocation.

Executive Summary

10-15x

Cheaper initial exploration footprint.

~70%

Reduction in unnecessary seismic mapping.

0

Years wasted permitting structurally sterile blocks.

Gain the ultimate competitive advantage. See the fluids, isolate the sweet spots, and eliminate the financial burden of total coverage before your competitors even file their first permit.



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Зарегистрирована в Едином реестре зарегистрированных систем
добровольной сертификации
Reg. № РОСС RU.31685.047029 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. Kristalina, 143

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

Products: Methodology for calculating predicted ore reserves in deep-lying deposits, using
the parameters of ore bodies obtained using remote geospace methods of geological exploration
and field geophysical equipment of the Poisk complex (FACON of the CU 9618829106)

Продукция: Методика расчета прогнозные запасы руд в глубинных залежах, с
использованием параметров рудных тел, полученных с помощью дистанционных
геоспациальных методов геологического и полевого геофизического аппаратуры комплекса
«Поиск» (код ТН ВЭД, ЕАЭС 9015801100)

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
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Сертификат выдан на основании: Декларации о соответствии компании
ООО «ГРУППА ПОИСК» № 105 от 07.10.2015 по направлению «Надежность» системы
добровольной сертификации «Сделано в России».

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002645

СИСТЕМА ДОБРОВОЛЬНОЙ СЕРТИФИКАЦИИ «ПРИМЕР-ЭКСПЕРТ»
Reg. № РОСС RU.31685.047029 от 14.10.2016 г.



СЕРТИФИКАТ СООТВЕТСТВИЯ

№ РОСС RU.МЕТ.010066

Срок действия с 24.05.2021 по 23.05.2028

№ 0057630

ОБЛАСТЬ СЕРТИФИКАЦИИ: РОСС RU.МЕТ.010066

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ПРОДУКЦИЯ: Методика расчета прогнозные запасы руд в глубинных залежах с
использованием параметров рудных тел, полученных с помощью дистанционных геоспациальных
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выпуск

дата ДС
21.11.21

СООТВЕТСТВИЕ ТРЕБОВАНИЯМ НОРМАТИВНЫХ ДОКУМЕНТОВ

дата ДС
21.11.21

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ДОСТАВЛЯЕТСЯ НА: ЗАКАЗЧИКАМ

(для информации)



Руководитель центра

Подпись

Сертификат действителен при условии соблюдения

(Handwritten signature)

В.И. Филатов
руководитель центра
А.В. Селезнев
руководитель центра



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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.