

# The End of Blind Exploration

A strategic transition from systematic global seismic coverage to direct, focalized detection using RSS-NMR satellite technology.

# Diagnostic evolution always moves toward remote, non-invasive sensing before heavy intervention

Communication



Medicine

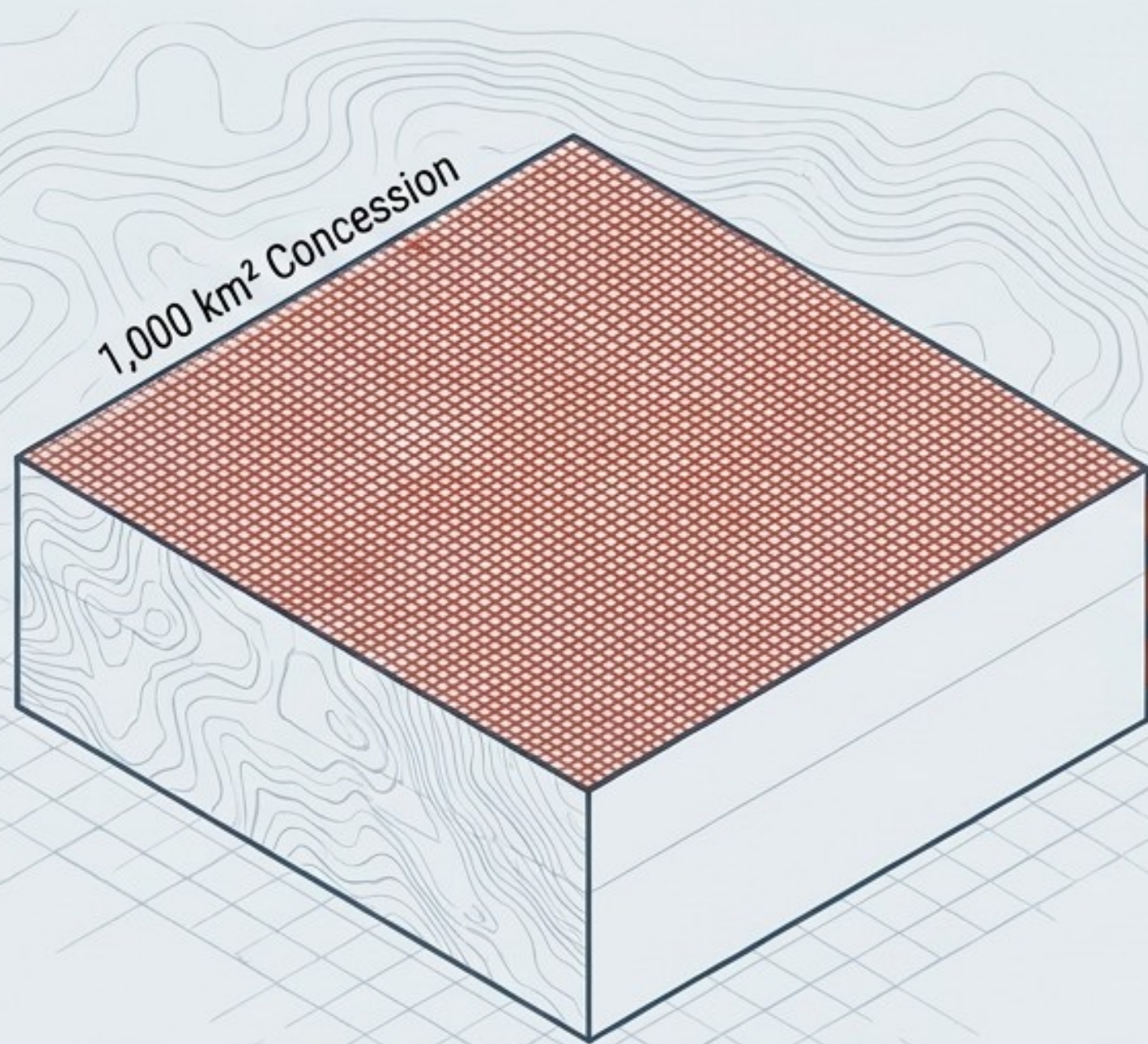


Exploration E&P



The universal technological trend is miniaturization, drastic cost reduction, and direct data access before any heavy physical intervention.

# Current methodologies demand massive upfront capital for zero guaranteed fluid



## Massive CapEx

Multimillion-dollar initial investments executed blindly before proving the economic viability of the fluids.

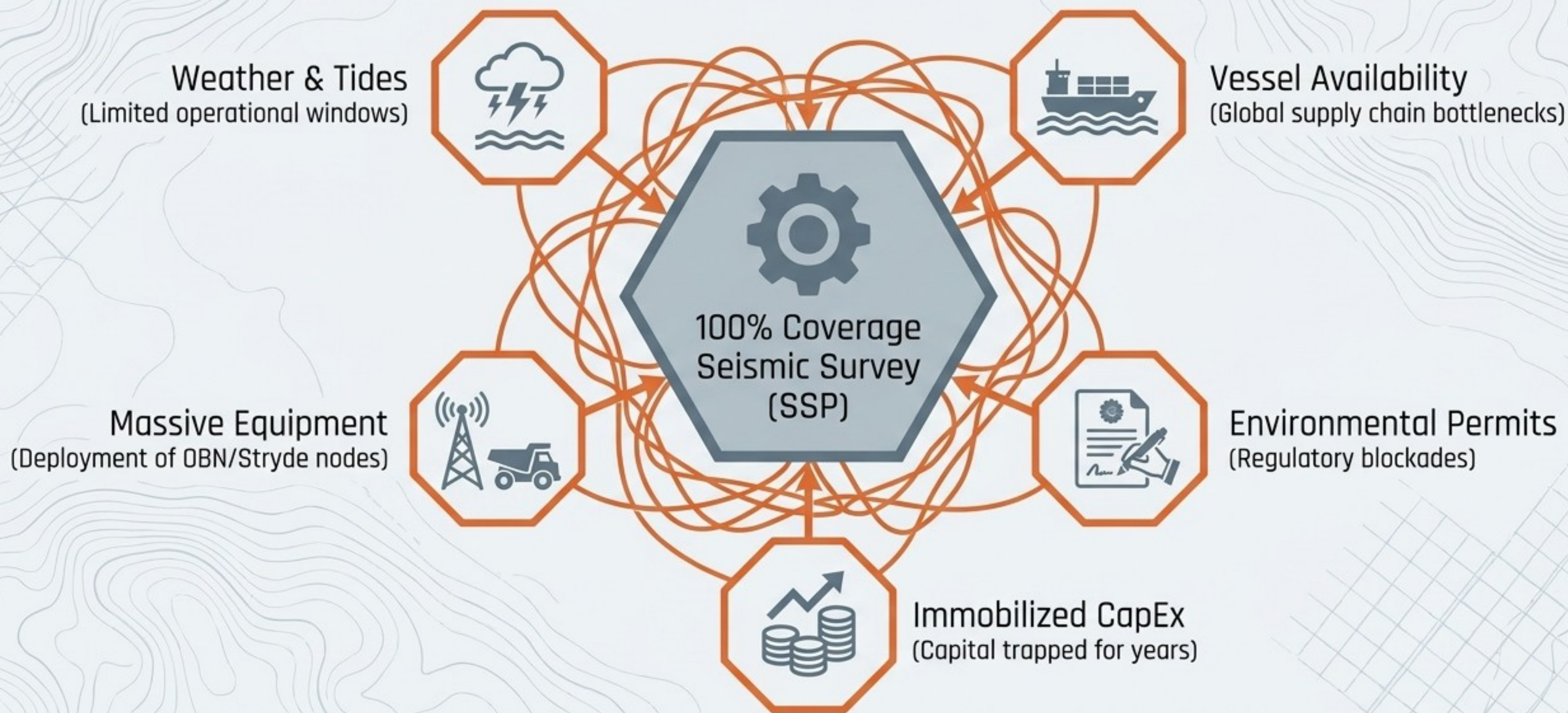
## Logistical Nightmare

Months of data acquisition, mobilization of enormous marine OBN fleets or thousands of terrestrial nodes.

## Extreme ESG Pressure

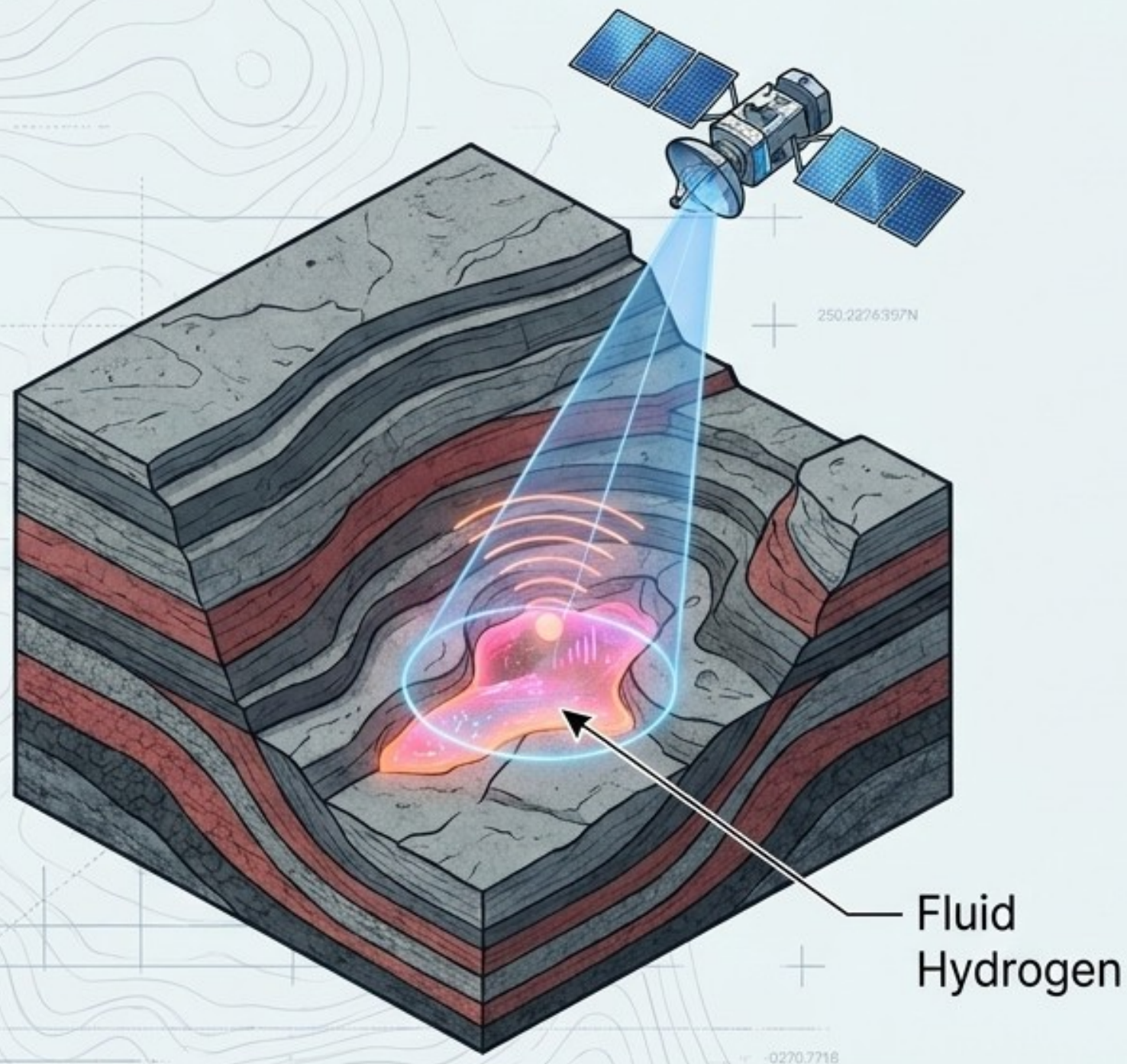
Maximum environmental footprint, including marine acoustic noise, prolonged land disturbances, and increasingly difficult regulatory permits.

# Exploration managers face an impossible optimization problem



How do you cover 100% of an unknown geographical zone while minimizing the risk of drilling a dry hole?

# We must shift from mapping structural geometry to directly detecting fluid presence



## Classic Methods (OBN / Stryde / MT)

Measure physical structures, geometry, and resistivity contrasts.

*The Question: Is there a structural trap?*

## RSS-NMR Physics

Direct measurement via hydrogen resonance in pores using satellite remote sensing.

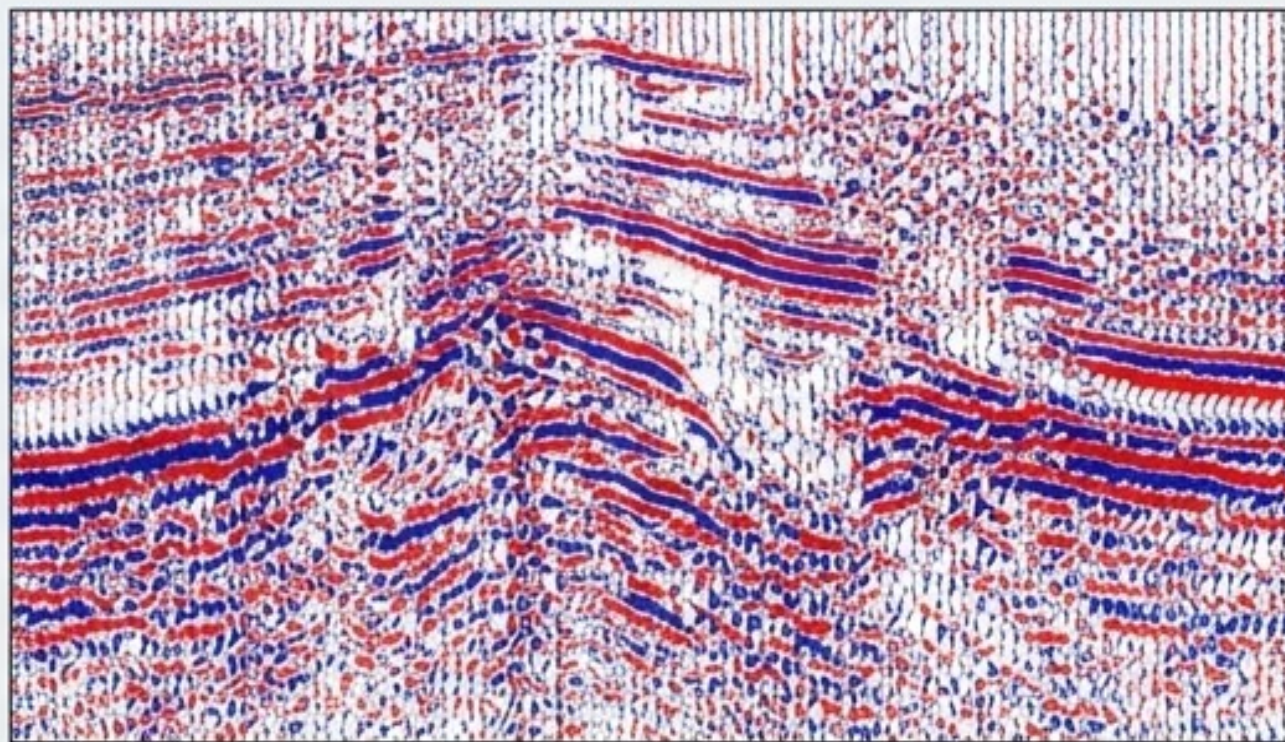
*The Question: Is there oil, gas, or free water?*

## Performance Data

RSS-NMR delimits anomalies up to 7 kilometers deep with 60-80% post-detection reliability, reaching 90% after ground validation.

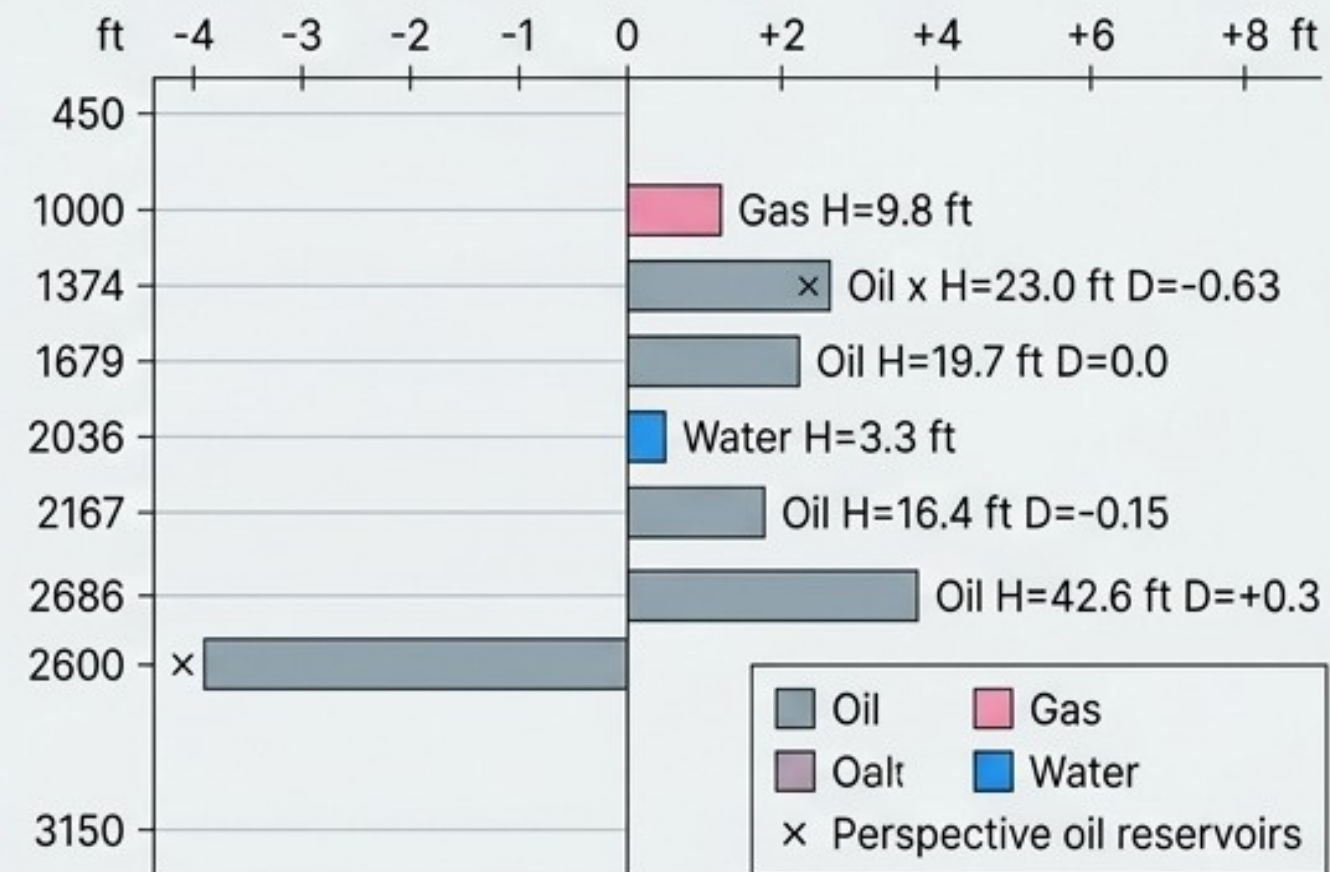
# Direct fluid measurement eliminates the ambiguity of structural interpretation

## Seismic Data: Interpretation Required



*Where exactly is the fluid here?*

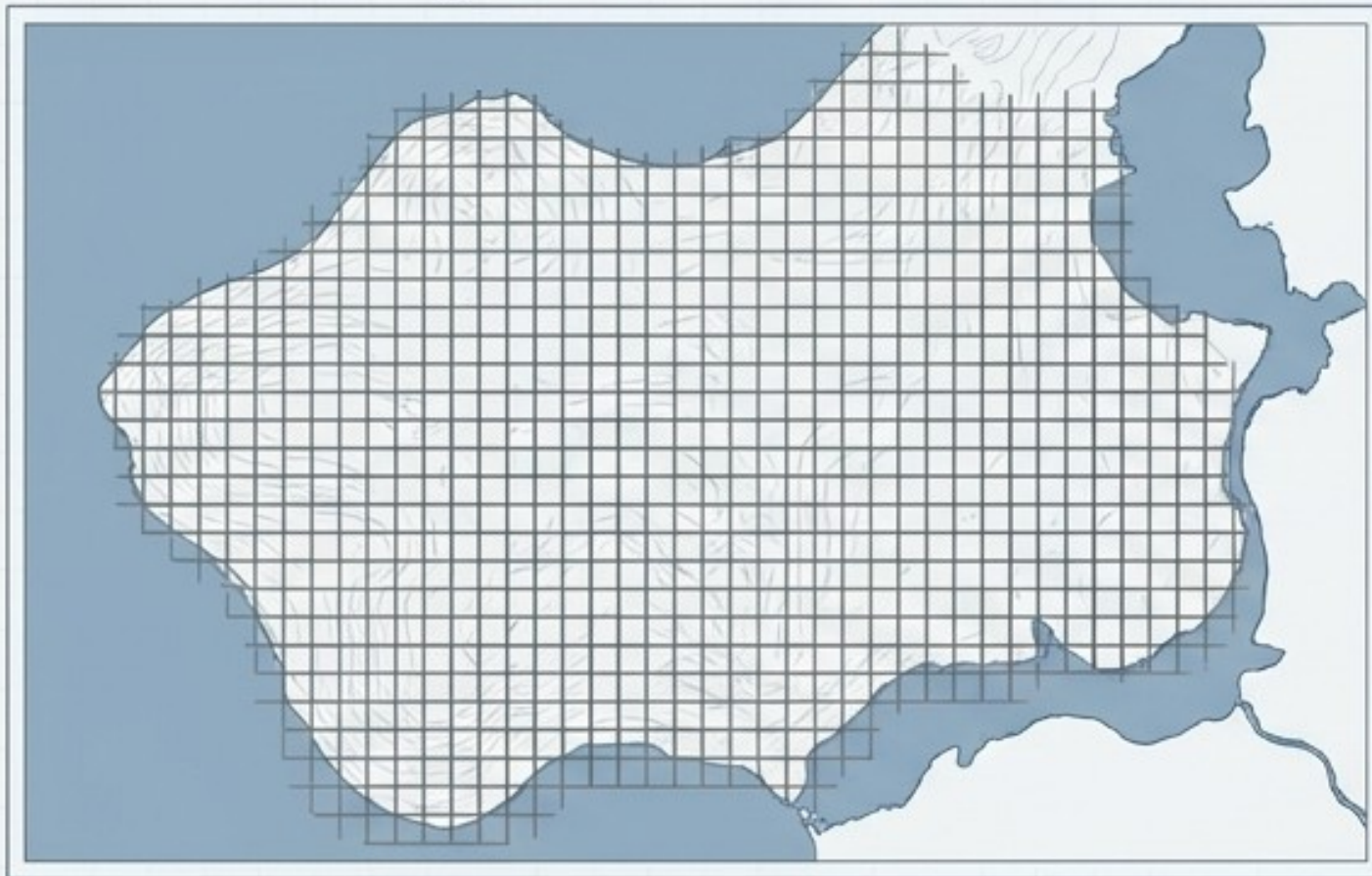
## RSS-NMR Data: Calibrated Direct Reading



Remote sensing characterizes reservoirs directly with exact depths and hydrostatic pressure estimations, completely bypassing structural guesswork.

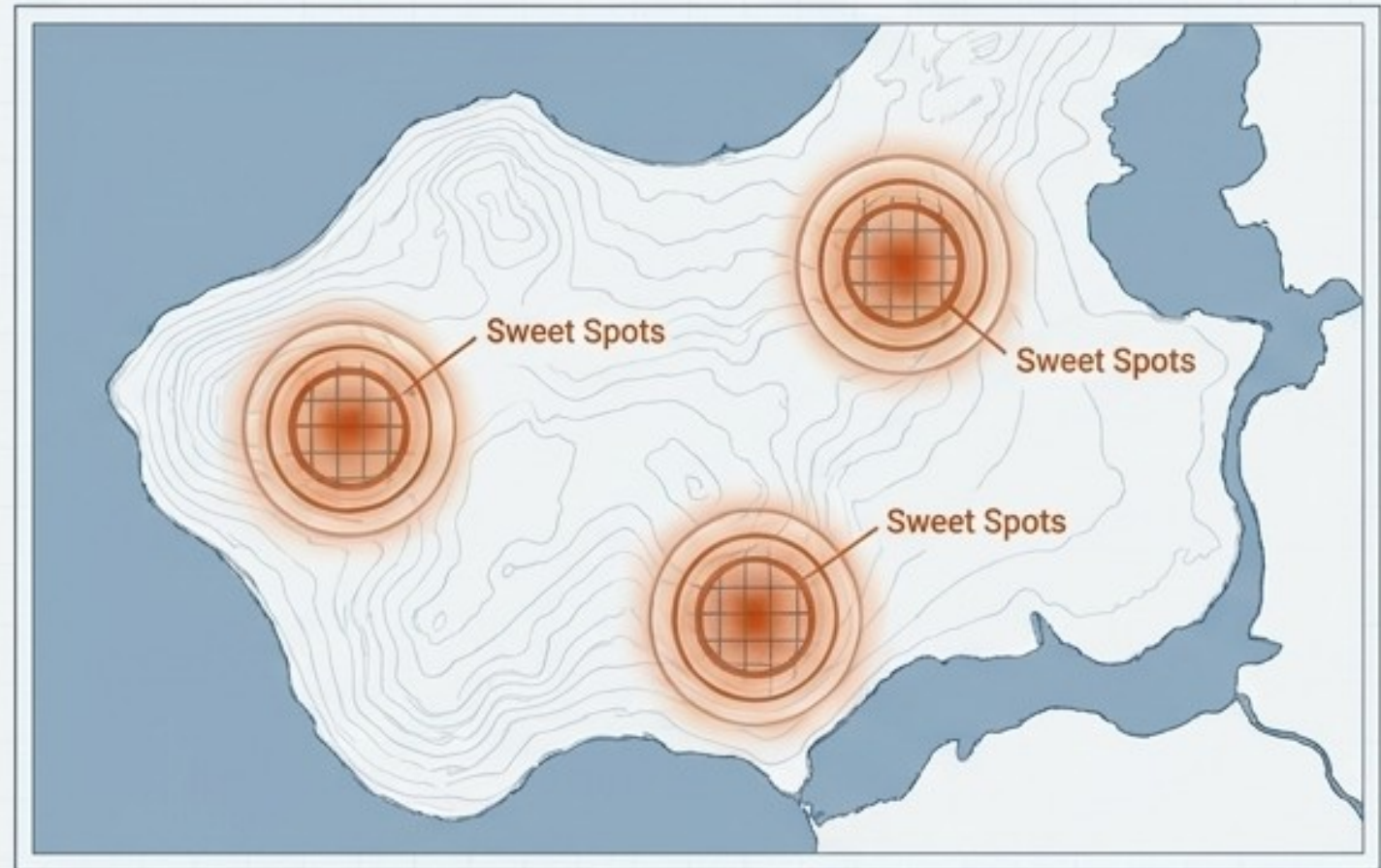
# Targeted illumination replaces the financial burden of systematic blind coverage

## The Past - Systematic Seismic



100% surface coverage. Extreme costs, prolonged schedules. The geological risk is assumed across the entire block.

## The Future - Focalized Seismic



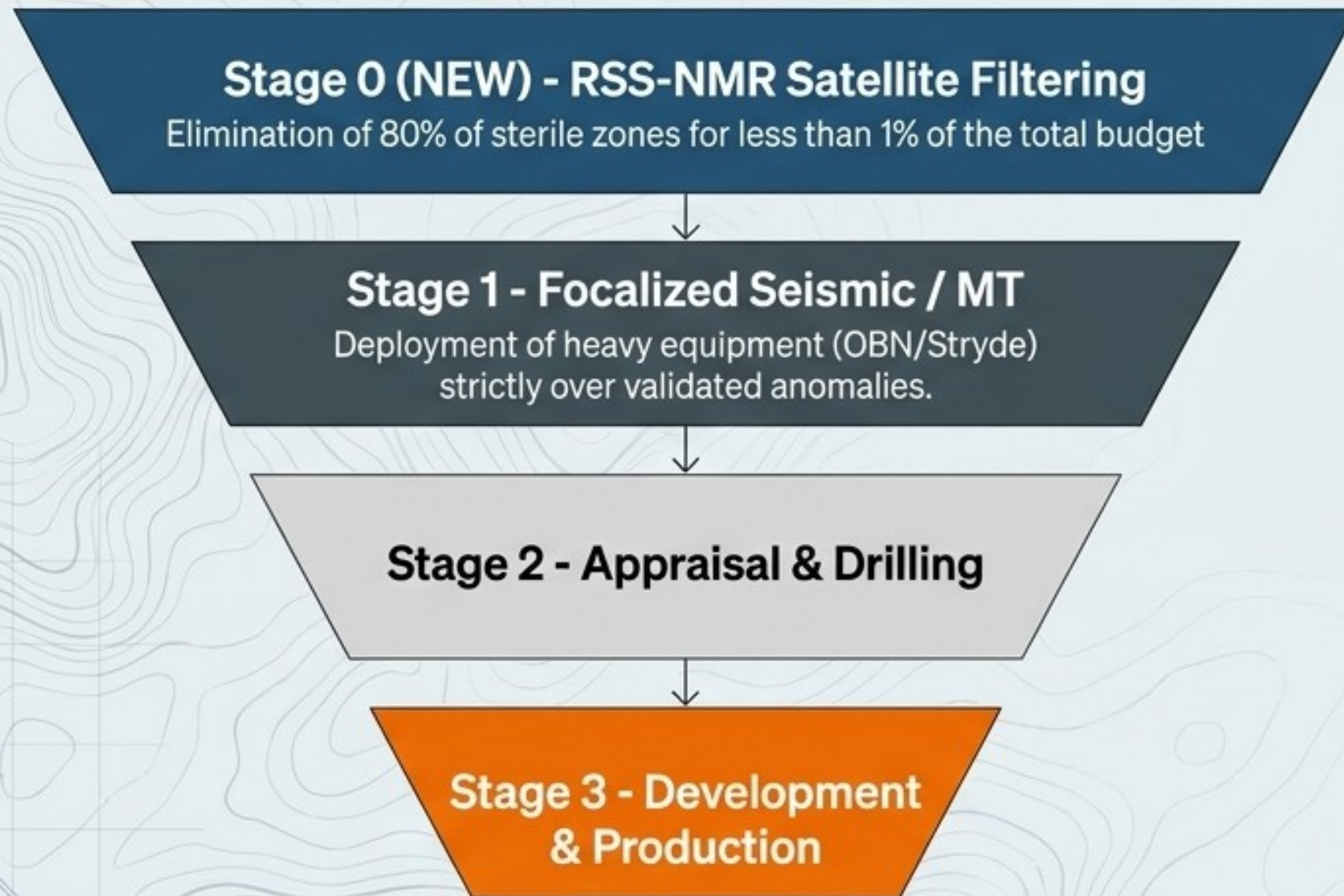
10-20% surface coverage. Validated beforehand by the RSS-NMR satellite filter.

**We transform seismic acquisition from a blind mandatory restriction into a high-profit surgical strike.**

# Remote sensing acts as a global filter, not a seismic replacement

Synergistic Exploration Ecology			
	OBN / Land Seismic	Magnetotelluric (MT)	RSS-NMR
Primary Objective	High-Res 3D Mapping	Deep Calibration & Resistivity	Pre-selection & Fluid ID
Target Detected	Geometry & Faults	Conductive Structures	<b>Direct Hydrocarbons &amp; Water</b>
Cost per km <sup>2</sup>	Very High	Moderate	< 1% of classical methods
Strategic Role	The Detailed Magnifying Glass	Deep Support	The Global Radar Filter

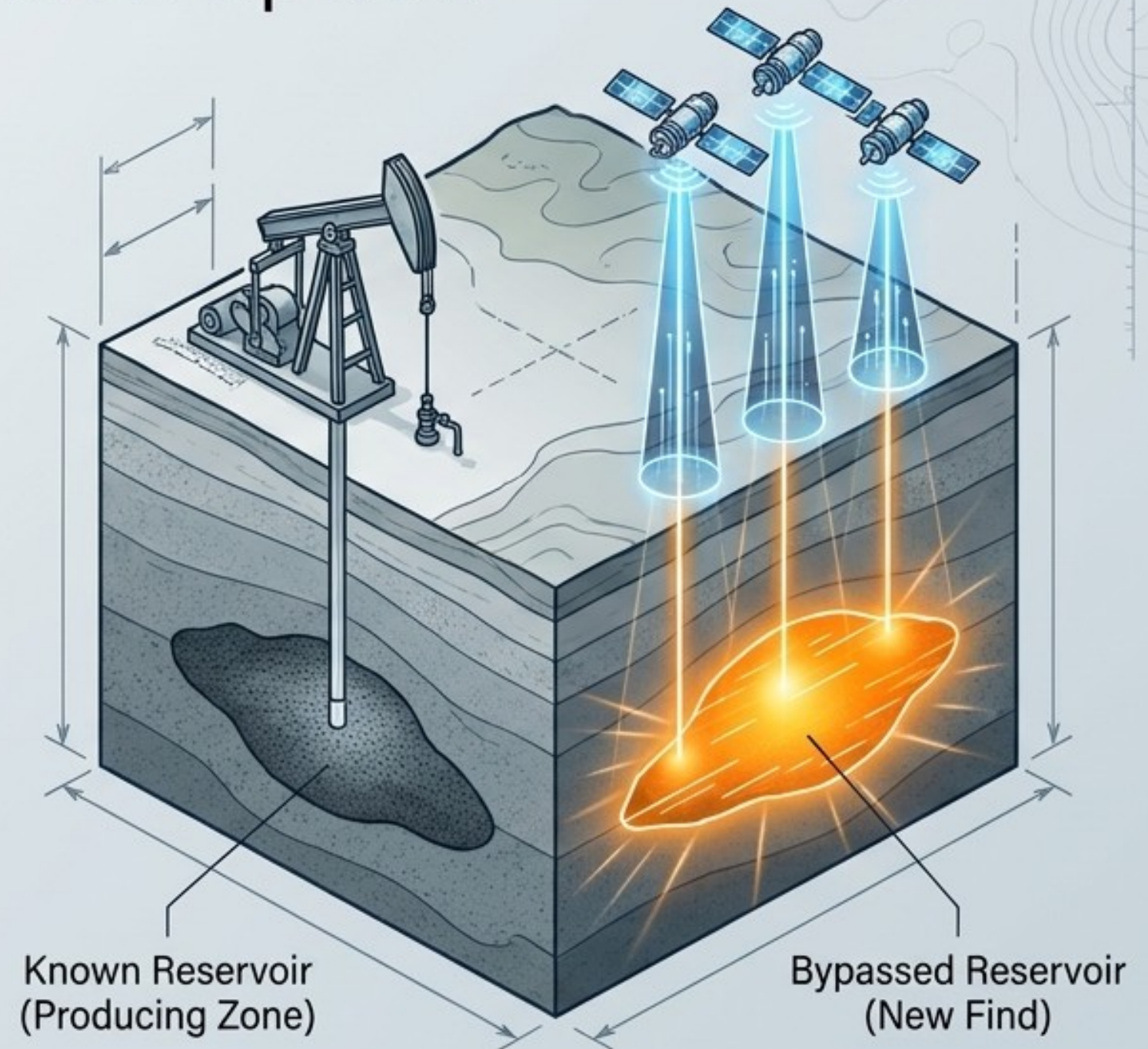
# Inserting a 'Stage 0' drastically narrows the physical operational footprint



By standardizing Stage 0 before any seismic deployment, planners radically reduce operational footprint, prior high-potential campaigns, and gain absolute flexibility against weather and regulatory constraints.

# Satellite detection unlocks bypassed pay in mature fields without operational interruption

- 🎯 **Revitalization of Mature Fields:** Execute scans over producing blocks without stopping operations for a single second.
- 🎯 **Blind Spot Detection:** Identify bypassed pay or peripheral reservoirs entirely missed in legacy seismic sweeps.
- 🎯 **Rapid Monetization:** Connect new adjacent discoveries directly into existing, fully permitted production grids.



# The Stage 0 architecture directly impacts the bottom line and ESG compliance



## CapEx Reduction

The RSS-NMR study costs less than 1% of a conventional geophysical program, freeing trapped capital.



## Accelerated Time-to-Market

Massive reduction in global data acquisition schedules and logistical delays.



## Risk Mitigation / De-risking

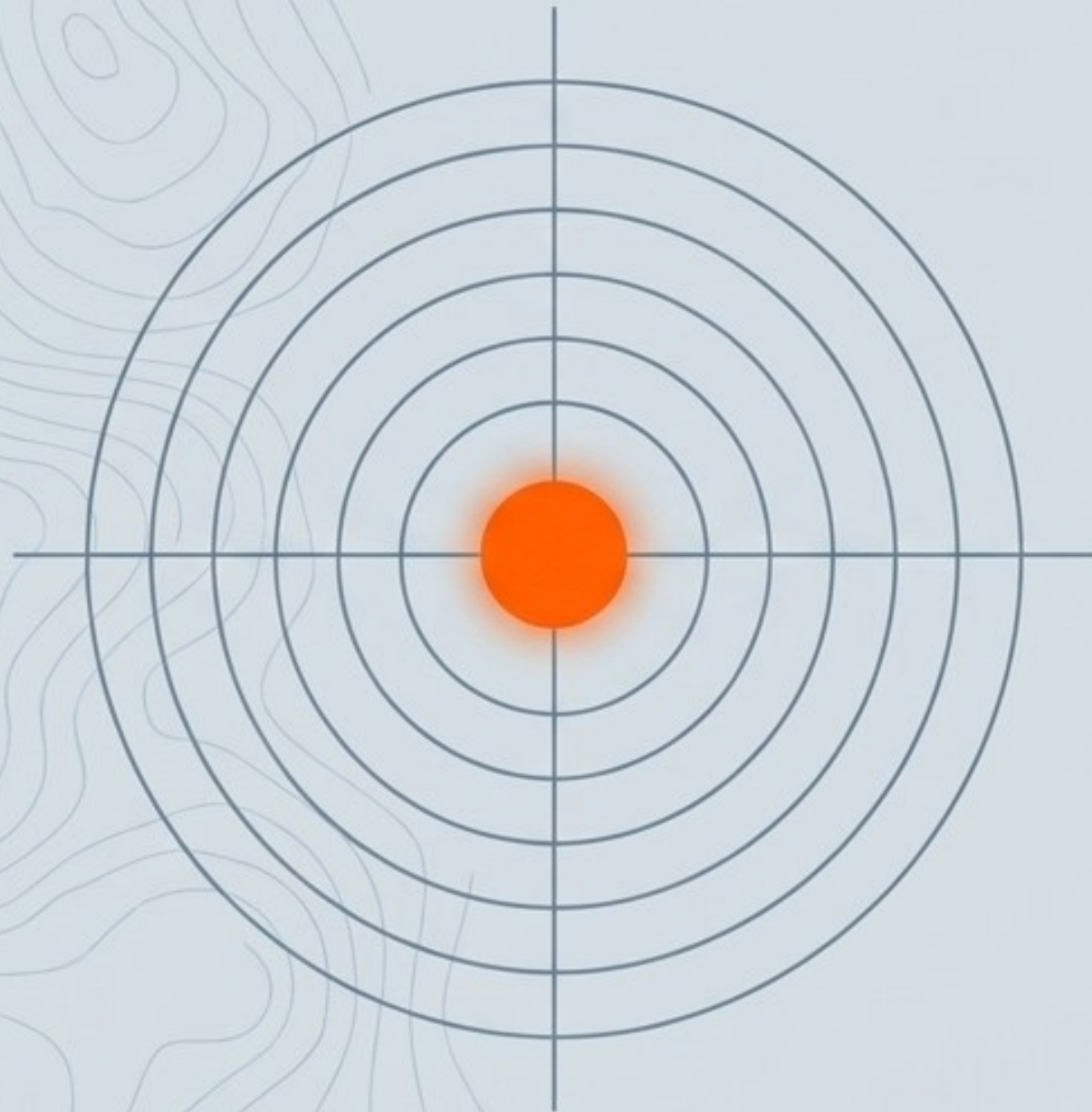
Heavy equipment budgets are spent exclusively on previously proven hydrocarbon anomalies.



## Total ESG Alignment

Radical decrease in environmental footprint: zero submarine acoustic noise, no surface disturbance, dramatically simplifying permitting.

# Satellite filtering is the new mandatory standard for capital deployment



The combination of space remote sensing and nuclear magnetic resonance is no longer theoretical. It is the baseline reference tool for characterizing resources before committing massive capital.

**The question for the board of directors must no longer be whether to deploy seismic, but why you would deploy it over sterile zones.**

## **Industry Precedent:**

Early pioneers dismissed reflection seismology in the 1920s before it became the global standard. Today, orbital RSS-NMR is the definitive next step in that evolution.



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Система добровольной сертификации «Сделано в России» зарегистрирована в Едином реестре зарегистрированных систем добровольной сертификации Рег. № РОСС RU.11858.047503 от 24 мая 2017 г.

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№ РОСС.000647

Valid from 20.10.2025 to 05.10.2028  
Срок действия с по

Applicant/Manufacturer: Poisk Group LLC, 295640, Russia, Sevastopol, st. Kristalovskaya, 143

Заявитель/Производитель: ООО «ГРУППА ПОИСК», 295640, Россия, г. Севастополь, ул. Кристаловская, 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 (EACH of the OJ 961880700)

Продукция: Методика подсчета прогнозируемых запасов руд в глубинно залегающих залежах, с использованием параметров рудных тел, полученных с помощью дистанционных геоспациальных методов геологического изучения и полевой геофизической аппаратуры комплекса «Поиск» (КОД ТН КОД ЕАЭС 961880700)

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Сертификат выдан на основании Декларации о соответствии компании ООО «ГРУППА ПОИСК» № 1/25 от 07.10.2025 на соответствие «Надежность» системы добровольной сертификации «Сделано в России».

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Рег. № РОСС RU.11858.047503 от 24.05.2016 г.



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Срок действия с 20.10.2025 по 05.10.2028

№ 0057630

ОБЪЕКТ ПО СЕРТИФИКАЦИИ: РОСС RU.11858.047503

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ПРОДУКЦИЯ: Методика подсчета прогнозируемых запасов руд в глубинно залегающих залежах, с использованием параметров рудных тел, полученных с помощью дистанционных геоспациальных методов геологического изучения и полевой геофизической аппаратуры комплекса «Поиск» (EACH of the OJ 961880700)

100% СС  
07.10.25

СООТВЕТСТВИЕ ТРЕБОВАНИЯМ НОРМАТИВНЫХ ДОКУМЕНТОВ

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ИЗГОТОВИТЕЛЬ: Общество с ограниченной ответственностью «Группа Поиск», ОГРН: 1100000000000, ИНН: 5007000000, адрес: 1-0000, РОССИЯ, город Севастополь, ул. Кристаловская, д. 143, телефон: +7(495)957-47-47, сайт: vishina.ru

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НА ЗАЯВИТЕЛЯ

Продукция соответствует требованиям системы добровольной сертификации «Сделано в России» (регистрационный номер РОСС RU.11858.047503)



ДЕЯТЕЛЬНОСТЬ НАХОДИТСЯ В РАЙОНЕ

Срок действия: 10



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Сертификат выдан в соответствии с требованиями системы добровольной сертификации



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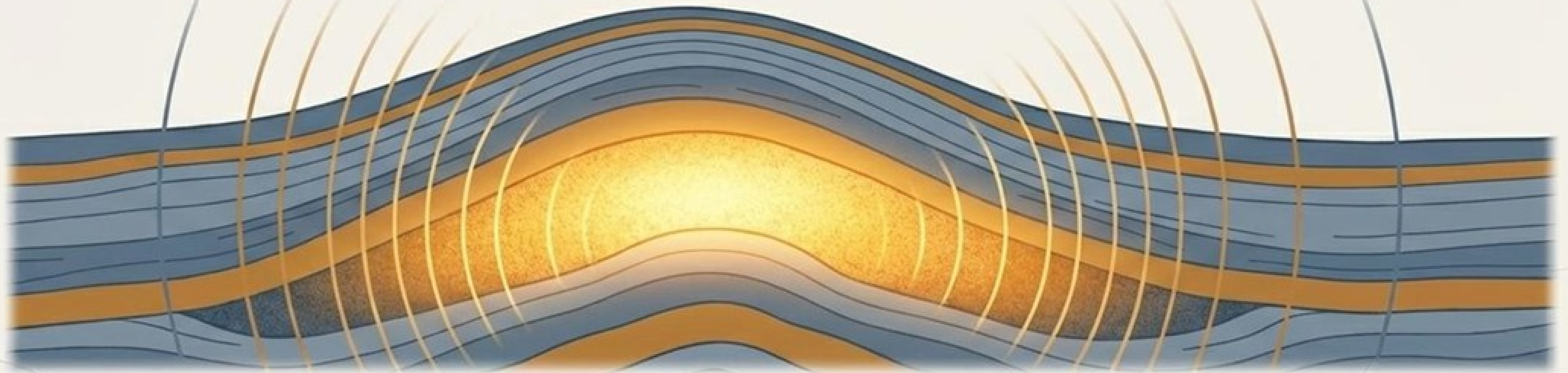


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# Stop searching for anomalies. Start finding hydrocarbons.

RSS/NMR technology represents a fundamental change in exploration. It is the transition from a game of probabilities and high risks to a discovery process based on data and high certainty.



The future of exploration is not in interpreting shadows better, but in turning on the light.

# 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.