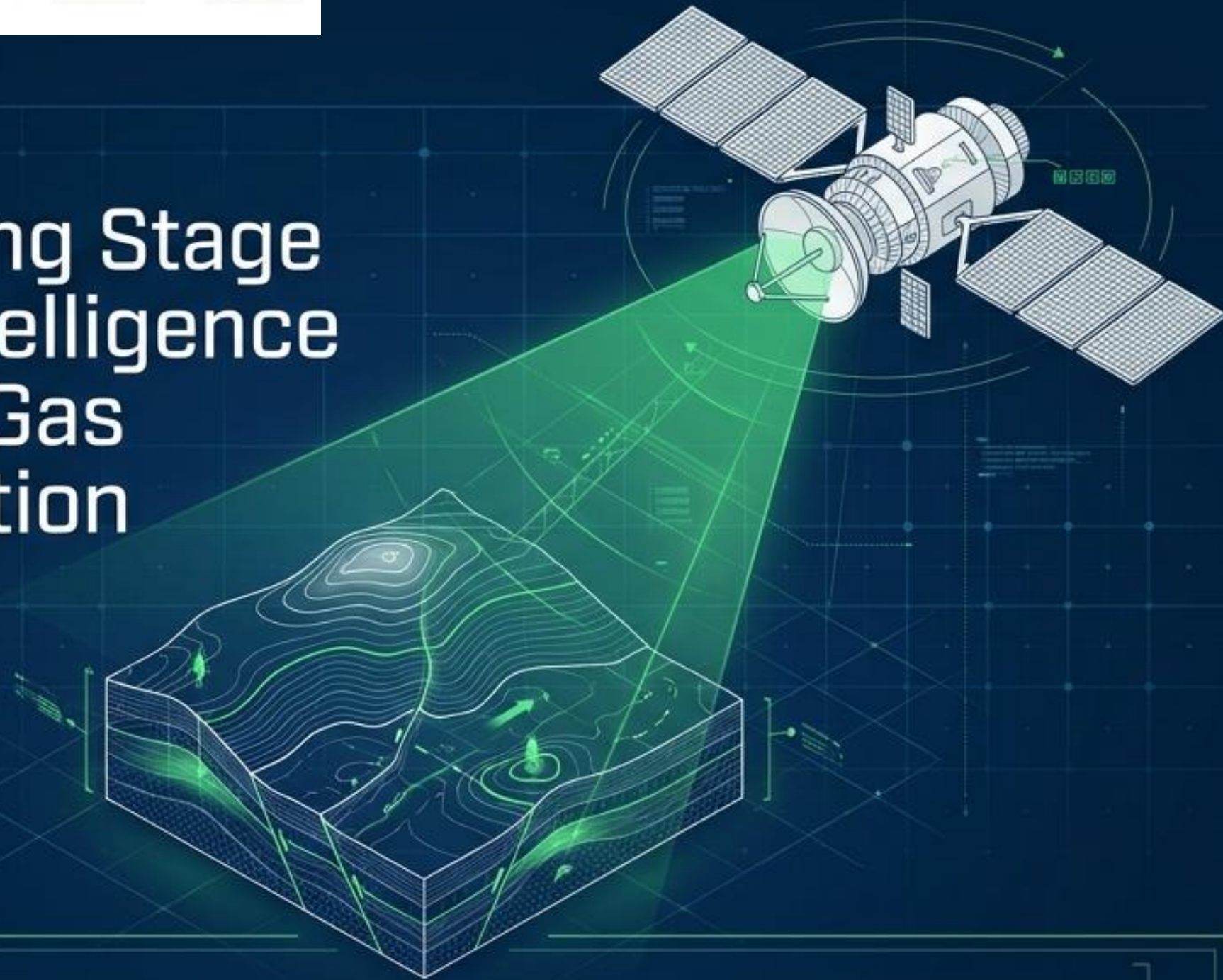
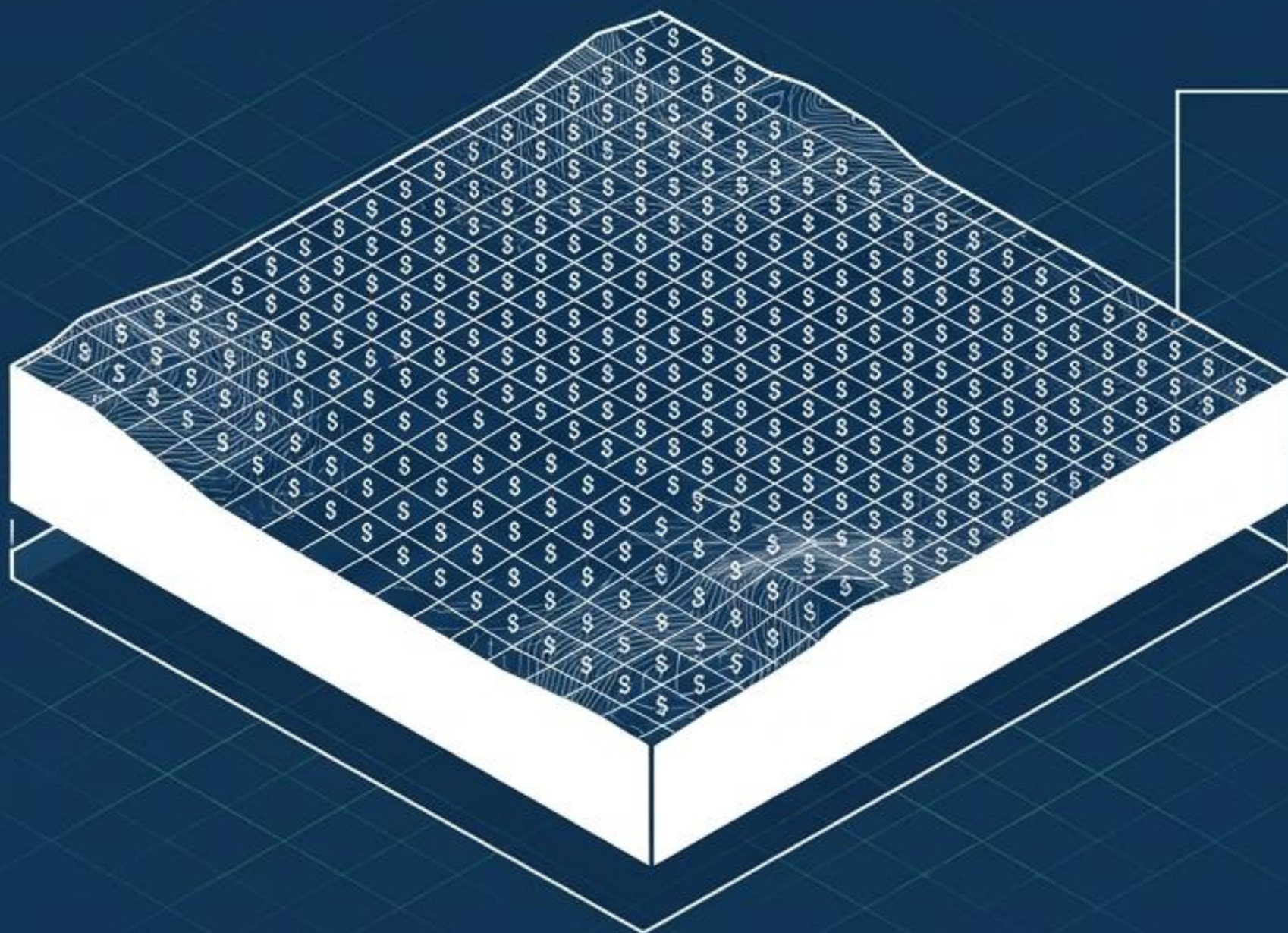


Deploying Stage Zero Intelligence in Oil & Gas Exploration



Bypassing the bureaucratic gridlock of traditional seismic permits to optimize CAPEX and eliminate dry-well risk.

The Financial Burden of Total Seismic Coverage



The 1,000 km² Gamble

Current systematic methods require scanning the entire concession area.

Logistical Mass

Large blocks (e.g., 60x60 km) demand months of physical logistics and millions in equipment.

Interpretation Drag

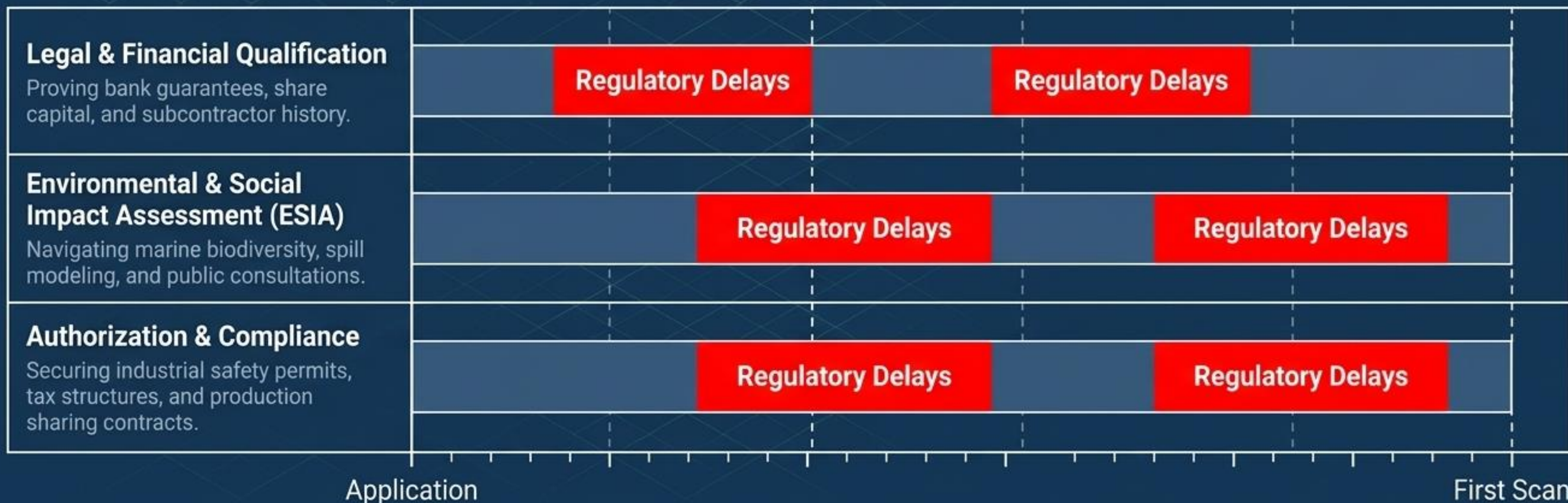
Processing enormous datasets of barren land adds massive delays and unnecessary analytical costs.

Key Takeaway: The traditional model forces E&P to commit heavy capital before identifying a single hydrocarbon sweet spot.

The Bureaucratic Gridlock of the Incumbent Model

Onshore Projects: 6 to 24 months of pure administrative review.

Offshore Projects: 18 to 36 months of complex public consultation and contract negotiation.



Bottom Line: Years of operational paralysis and sunk costs occur before physical exploration is legally permitted.

The True Cost Structure of an Exploration Permit

ABOVE THE SURFACE (Visible CAPEX)

- **Application & License Fees:** Hundreds of thousands to millions of dollars.
- **Macro Studies:** Internal preliminary geological, geophysical, and profitability modeling.



BELOW THE SURFACE (Hidden / Sunk Costs)

- **Award Bonuses:** Millions of dollars paid upon signing, totally non-recoverable.
- **NGO Compensations:** Indirect costs critical for informal approval and avoiding public blockade.
- **Insurance & Guarantees:** Millions tied up in environmental liability and well insurance.
- **Incentives & Regulatory Oversight:** Ongoing audits, inspections, and localized administrative friction.

The Escalating Complexity of Traditional Permits

Parameter	Onshore Exploration	Offshore Exploration
Permit Classification	Exclusive Exploration Permit (PER)	Petroleum Exploration Permit / Offshore License
Initial Legal Duration	~5 years, renewable	5 to 6 years, often renewable
Administrative Review Time	6 to 24 months	18 to 36 months
ESIA Requirements	Field, roads, social impact	Deepwater EIA, marine risks, spill models, vessel compliance, marine fauna

Takeaway: Offshore ambition requires nearly triple the administrative lead time.

Stage Zero Intelligence: Bypassing the Bureaucratic Wall



**EXPLORATION
PERMIT**

The Spy Mode Advantage

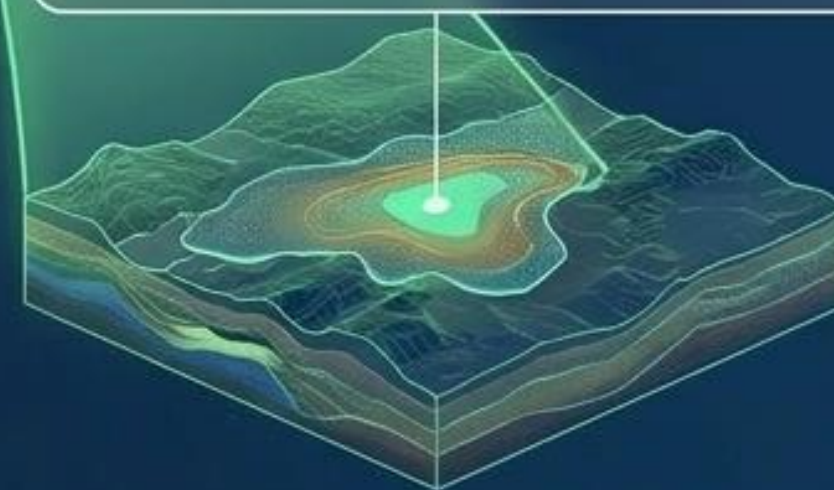
RSS-NMR exploration allows operators to assess the true potential of a block without requesting a formal exploration permit.

Zero Tax, Zero Friction

Reach the exact same go/no-go decision point without triggering millions in unrecoverable taxes, fees, or NGO compensations.

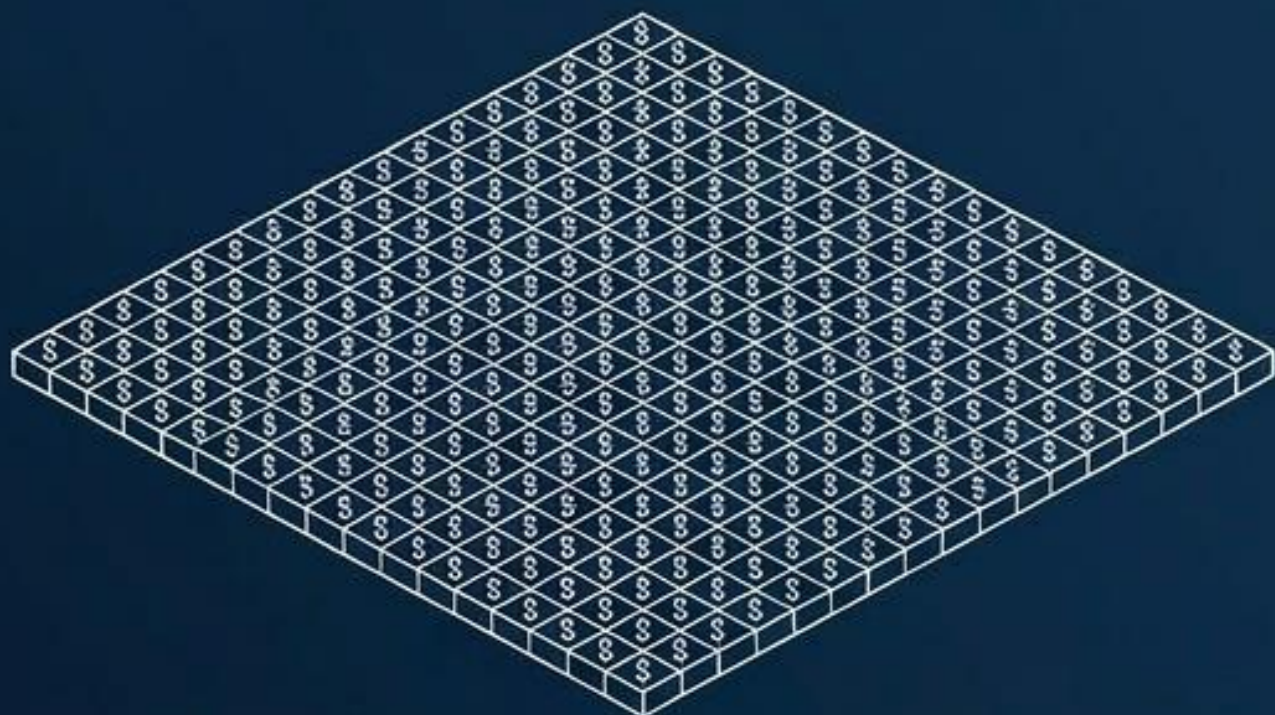
Instant Visibility

Leverage high-altitude satellite scanning to instantly detect fluid presence and reservoir parameters before deploying a single ground crew.



From Total Coverage to Targeted Deployment

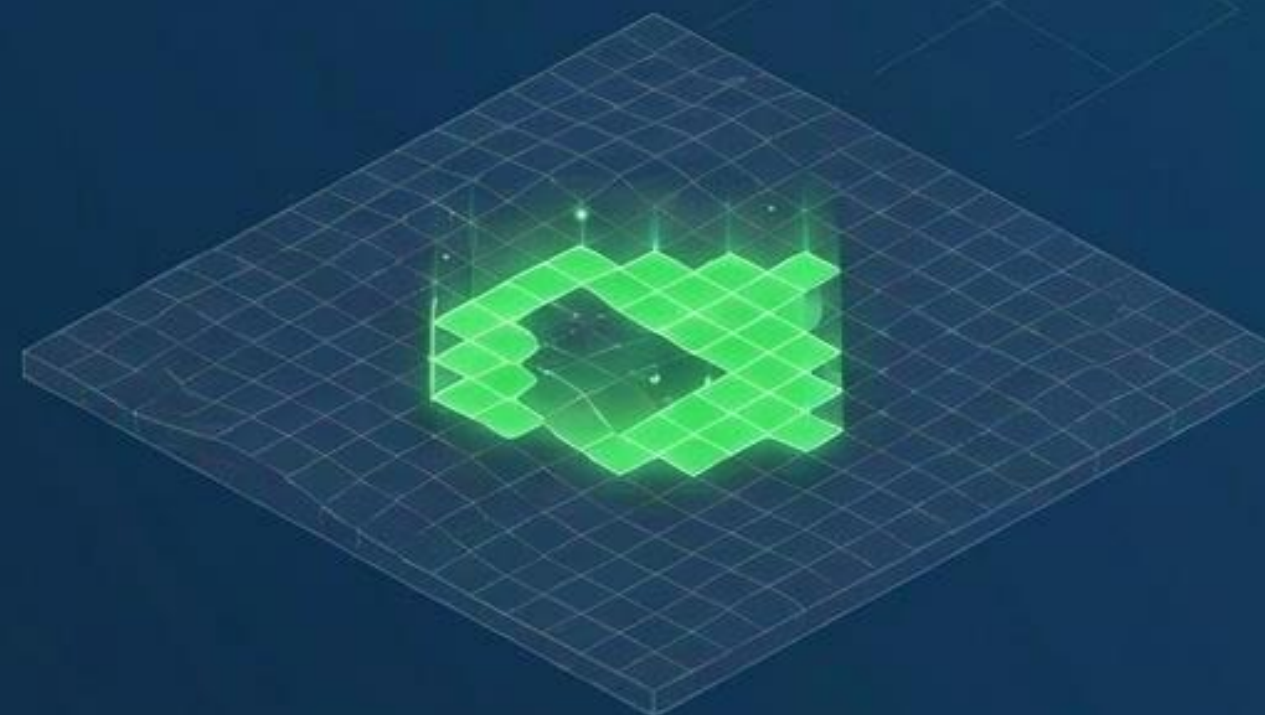
The Old Way



The Blind Approach

Traditional seismic requires deploying capital across 100% of the statistical area.

The Stage Zero Way

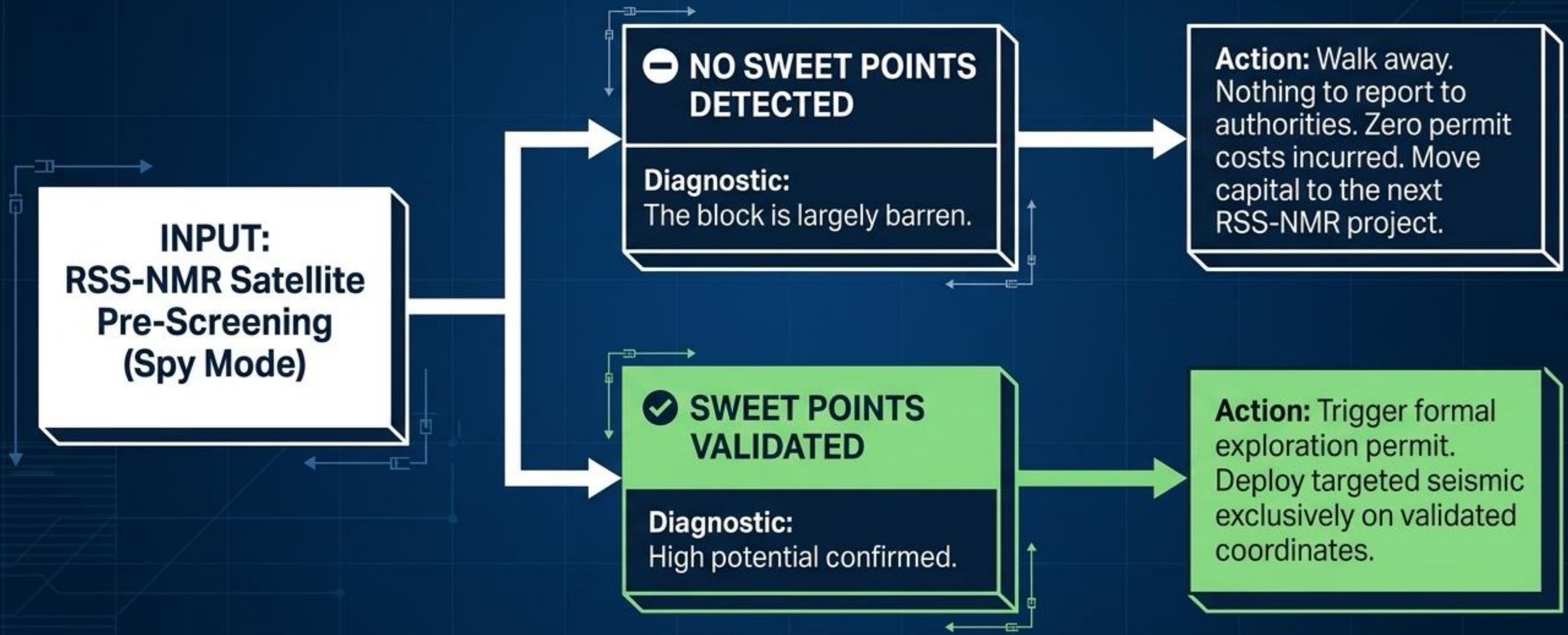


The Stage Zero Approach

RSS-NMR acts as a high-altitude filter, cutting required seismic coverage to only the 20–30% of the area that exhibits a high hydrocarbon probability.

The CAPEX Result: 10 to 15 times cheaper than conventional seismic surveys, leveraging economies of scale for massive block sizes.

The Stage Zero Decision Tree



The Hybrid Reality: Combining Altitude with Depth

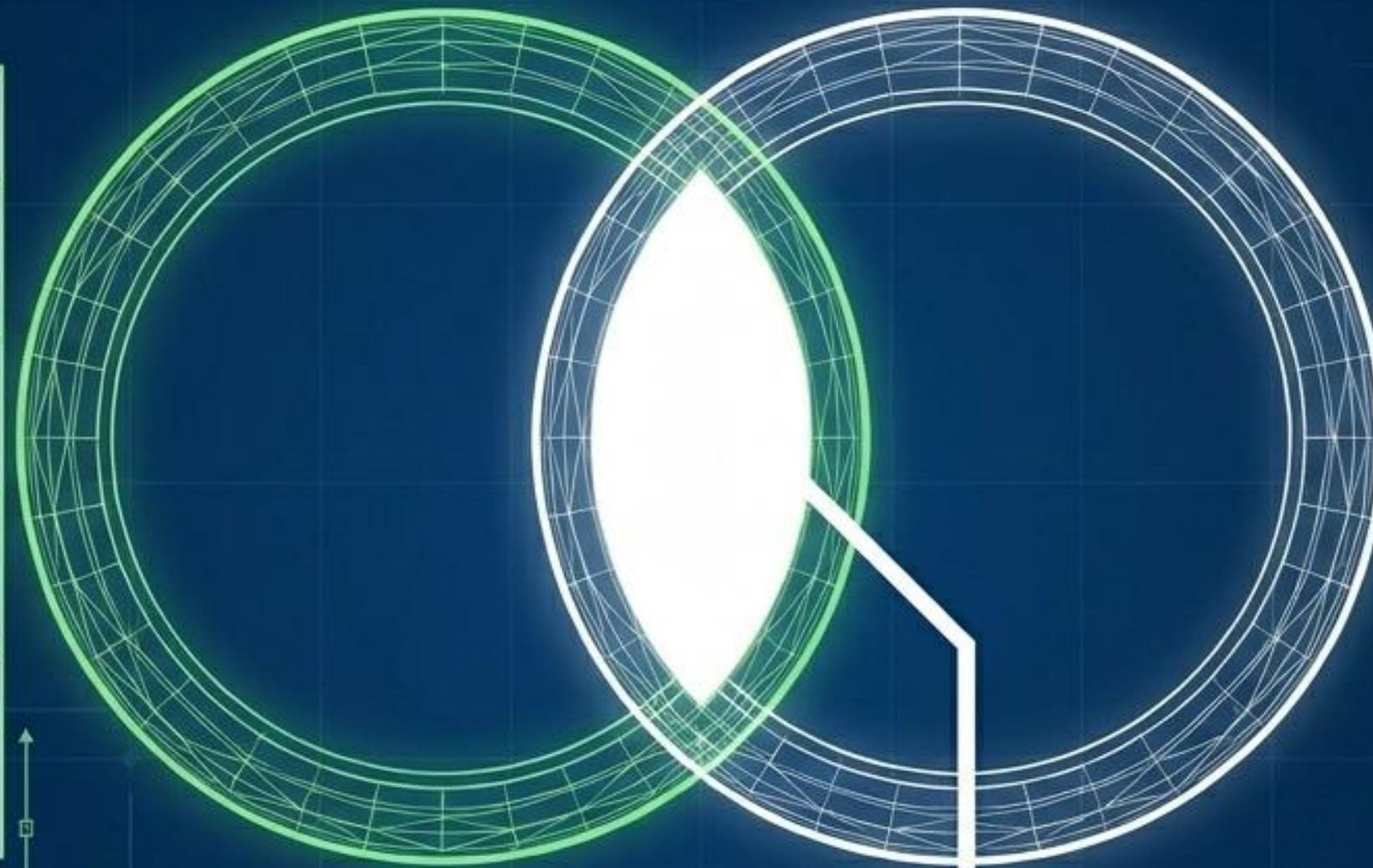
RSS-NMR (Stage Zero)

Provides immediate fluid presence mapping.

Delivers initial reservoir parameters.

Operates at an order-of-magnitude lower cost.

Limitation: Less widespread adoption; lacks fine structural detailing.



Traditional Seismic

Provides detailed structural imaging.

Universally accepted by regulators and partners.

Limitation: Exorbitant cost and crippling regulatory timeline.

The Overlap: Development-Ready Validation

RSS-NMR anomalies confirmed by targeted seismic and drilling, leading to optimized, low-risk reservoir modeling.

The Ultimate Competitive Advantage in Frontier Exploration



Order-of-Magnitude Risk Reduction

Drastically lowers the statistical probability of drilling dry wells.

CAPEX/OPEX Optimization

Avoids tens of millions of dollars in unnecessary physical campaigns on sterile land.

The Bidding Edge

By seeing the block before committing capital, E&P operators achieve faster decision cycles, outmaneuvering competitors in blind bidding rounds.

RSS-NMR IS NOT JUST A TECHNOLOGICAL UPGRADE — IT IS A FUNDAMENTAL RESTRUCTURING OF EXPLORATION ECONOMICS.

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VERSATILITY OF APPLICATION



HYDROCARBONS

Oil
Gas
Condensed



PRECIOUS METALS AND BASES

Gold
Copper
Lithium
Nickel



STRATEGIC

Uranium
Diamonds
Coal



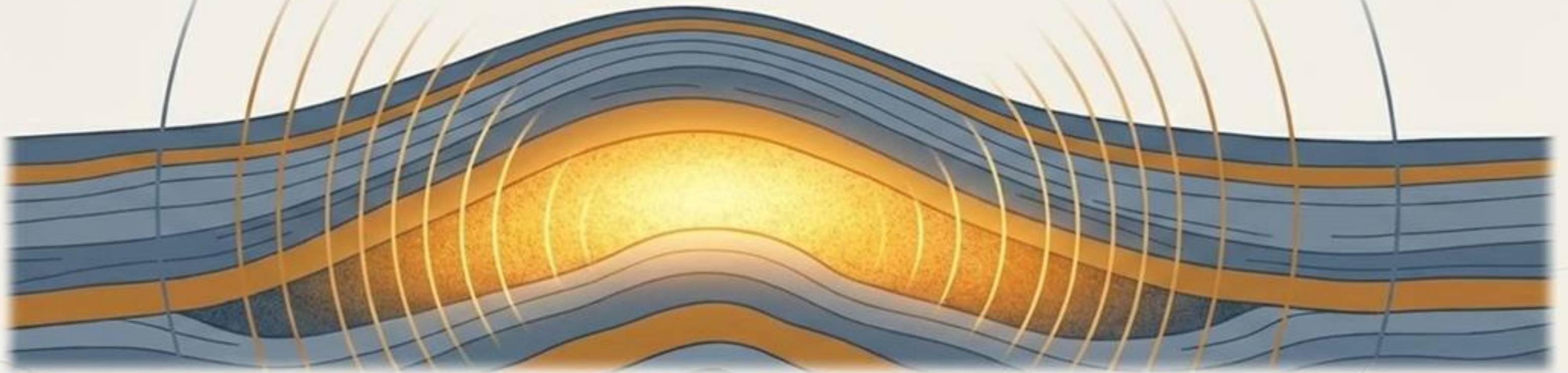
WATER RESOURCES

Drinking Water
Underground
Geothermal

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

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.

