

PRECISIONX

SATNMR Technology

Revolutionary Satellite-Based Resource Detection



Presented by **Matrix Aviation Inc**
Authorized Representative for Argentina & Brazil



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Transforming Resource Exploration with Space-Age Technology

SATNMR (Satellite Nuclear Magnetic Resonance) is an advanced remote sensing technology that uses satellite-based magnetic resonance to detect and map underground resources such as oil, gas, water, and minerals.

The technology works by identifying unique magnetic resonance signals emitted by different elements beneath the Earth's surface. These signals allow scientists to pinpoint the exact location, depth, and composition of valuable resources without the need for extensive drilling or invasive exploration.

By using SATNMR, companies can significantly **reduce exploration costs, increase accuracy, and minimize environmental impact and other risks**, making it a game-changing tool for industries involved in resource discovery and extraction.

The Challenge: Traditional Exploration Limitations

Current Industry Challenges

- ⚠ High failure rates (60-70% dry holes)
- ⚠ Massive upfront investment at risk
- ⚠ Environmental damage from exploration
- ⚠ Years of seismic surveys and testing
- ⚠ Limited area coverage
- ⚠ Regulatory and community resistance

Traditional Exploration Impact:

Seismic surveys, road construction, drilling, and testing cause significant environmental damage before resources are even confirmed

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The Cost of Uncertainty

Traditional Exploration Costs:

Seismic surveys: \$5-50M

Exploratory drilling: \$10-200M per well

Environmental studies: \$1-5M

Time to production: 5-10 years

Risk factors:

Only 1 in 10 wells successful

Environmental remediation costs

- Regulatory delays

SATNMR Technology



SATNMR technology eliminates traditional exploration risks through satellite-based detection



Identifies oil, gas, minerals, and water resources with 95% accuracy



Reduces exploration time from years to weeks



Zero environmental impact during detection phase



Proven technology with verified discoveries worth billions



Perfect for South American geological diversity

SATNMR Technology

Core Scientific Principles:

Magnetic Resonance

Every element has a unique magnetic signature that can be detected and analyzed

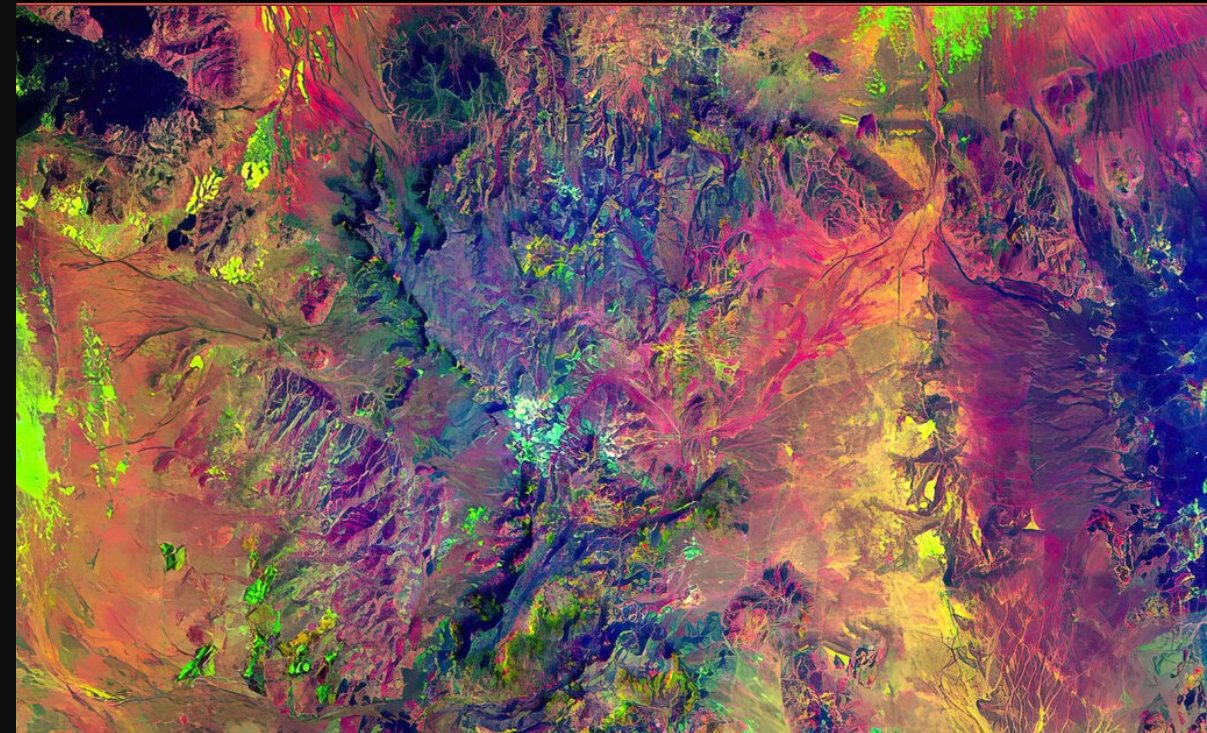
Satellite Detection

Advanced sensors capture resonance signals from space, covering vast areas

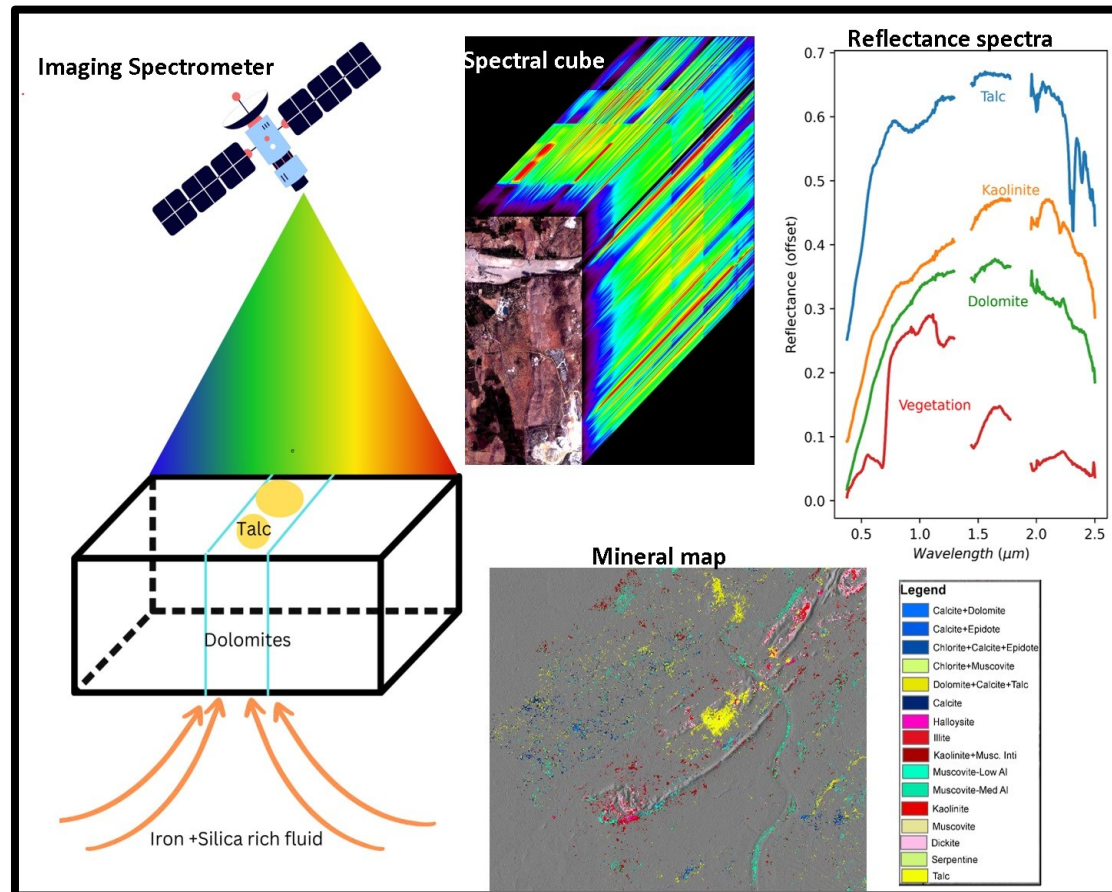
Data Processing

Proprietary algorithms process signals to map resources in 3D

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How SATNMR Works: The Technical Process



 **Complete Process: 2-4 weeks from start to finish**



Satellite Data Acquisition:
Multi-spectral satellites
capture electromagnetic
signatures from target areas



Signal Processing: Proprietary
geo-holographic algorithms
analyze resonance patterns



Signature Matching: AI
matches signatures against
known resource profiles



3D Mapping: Creates detailed
subsurface maps with depth
and composition data



Verification: Results
validated against geological
data and drill logs

SATNMR Technology Advantages



Speed

2-4 weeks from start to results
No lengthy permitting or mobilization



Precision

95% accuracy rate verified by drill data
Exact depth and location coordinates



Coverage

Scan millions of acres simultaneously
No physical access limitations



Cost-Effective

80% reduction in exploration costs
No dry hole expenses

95% Accuracy Verified Through Multiple Methods

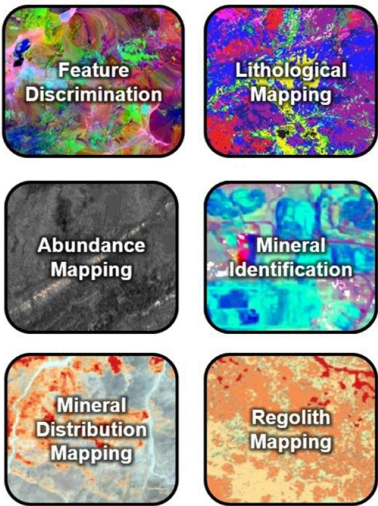
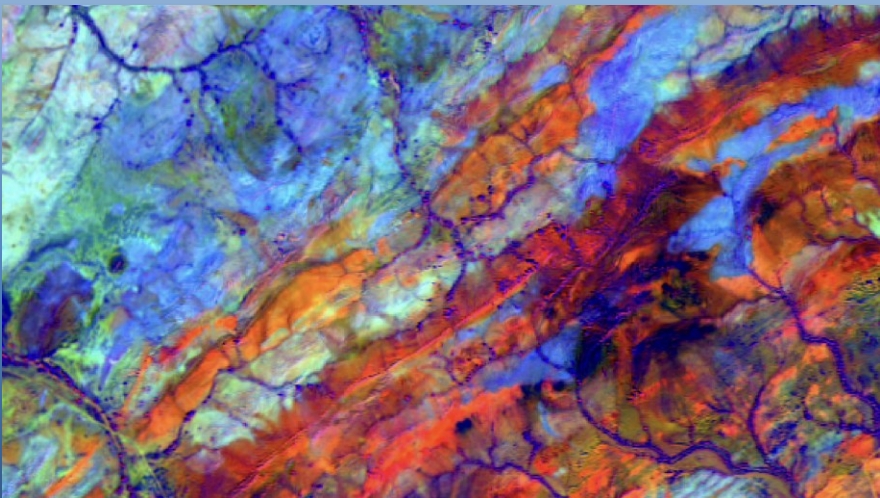
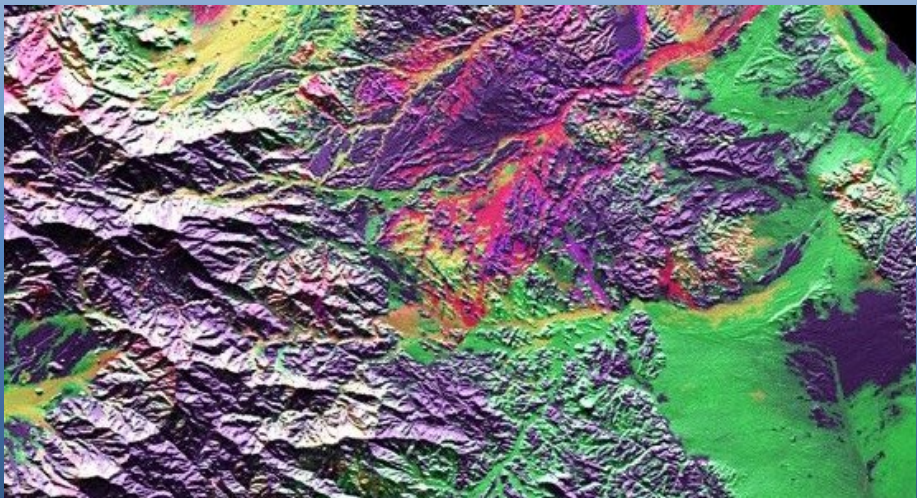
Zero Environmental Footprint Detection

-  No ground disturbance during exploration
-  Preserves ecosystems and biodiversity
-  No water usage or contamination
-  No deforestation required
-  No displacement of communities
-  Enables sustainable resource planning

Technology Validation & Accuracy

- ✓ **Drill Log Verification:** Results confirmed by actual drilling data from multiple projects
- ✓ **Geological Correlation:** Matches known geological formations and resource patterns
- ✓ **Production Validation:** Producing wells confirm predicted resource quantities
- ✓ **Independent Testing:** Third-party verification of technology accuracy
- ✓ **Historical Data Match:** Accurately identifies known but undeveloped resources
- ✓ **Continuous Improvement:** AI learning from each verified discovery

Comprehensive Resource Detection Capabilities



⚡ Energy Resources

- Crude Oil (all grades)
- Natural Gas
- Shale Oil/Gas
- Coal Seams
- Hydrogen Gas
- Geothermal Sources
- Uranium Deposits

💎 Precious Metals

- Gold
- Silver
- Platinum Group
- Palladium
- Rhodium
- Diamonds

🏭 Industrial Minerals

- Copper
- Iron Ore
- Lithium
- Cobalt
- Nickel
- Rare Earth Elements

💧 Water Resources

- Fresh Water Aquifers
- Underground Rivers
- Geothermal Water
- Mineral Springs

 Resource Maps

High-resolution 2D and 3D maps showing exact locations and depths of all detected resources

 Drill Point Recommendations

Precise GPS coordinates for optimal drilling locations with highest success probability

 Economic Analysis

Preliminary economic assessment including extraction costs and potential returns

 Quantitative Analysis

Detailed estimates of resource volumes, grades, and commercial viability

 Technical Reports

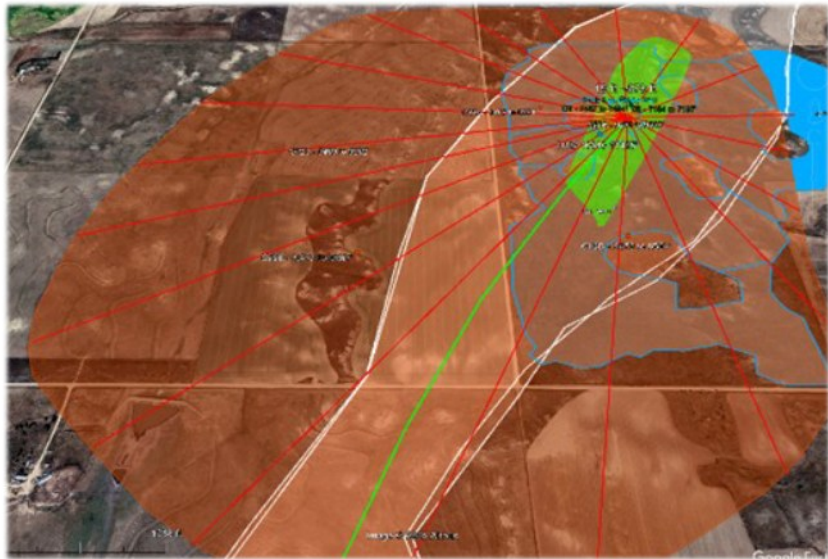
Comprehensive geological interpretation and resource assessment documentation

 Confidential Data Package

All raw data and analysis results in secure, proprietary format

Why Choose SATNMR Technology?

Technology Factor	SATNMR	Traditional Methods
Time to Results	2-4 weeks ✓	6-12 months ✗
Environmental Impact	Zero ✓	Significant ✗
Area Coverage	Unlimited ✓	Limited ✗
Accuracy	95% ✓	40-60% ✗
Weather Dependent	No ✓	Yes ✗
Permits Required	None ✓	Extensive ✗
Community Impact	None ✓	Disruption ✗



South American Market Opportunities

Combined potential: Trillions in undiscovered resources across diverse geological formations

Argentina

- ▶ Vaca Muerta Shale Formation
- ▶ Neuquén Basin Oil & Gas
- ▶ Lithium Triangle (Salta, Jujuy)
- ▶ Patagonia Gold & Silver
- ▶ Offshore Atlantic Oil
- ▶ San Juan Copper Belt

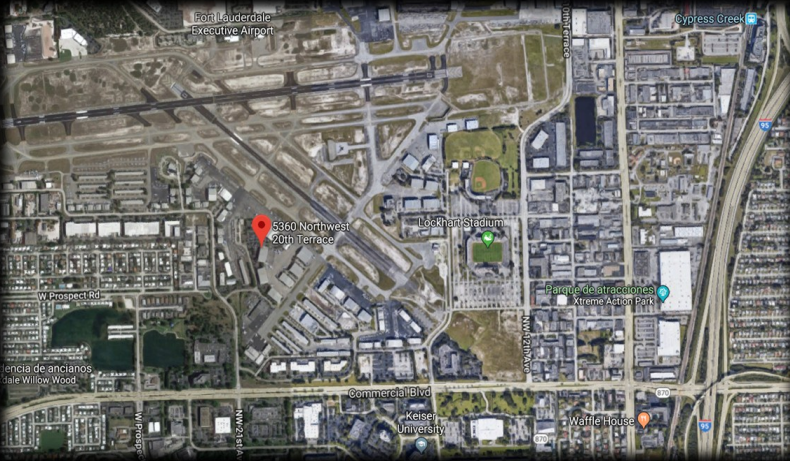
Brazil

- ▶ Pre-Salt Oil Reserves
- ▶ Amazon Basin Resources
- ▶ Carajás Iron Ore
- ▶ Serra Pelada Gold
- ▶ Rare Earth Elements
- ▶ Solimões Basin Gas



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Matrix Aviation - Regional Excellence

Established presence in Argentina & Brazil

Deep understanding of local markets

Strong government and industry relationships

Multilingual team (Spanish/Portuguese/English)

Proven track record in complex projects

**Your Trusted Partners for South American
Resource Development**

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