



CONFIDENTIAL

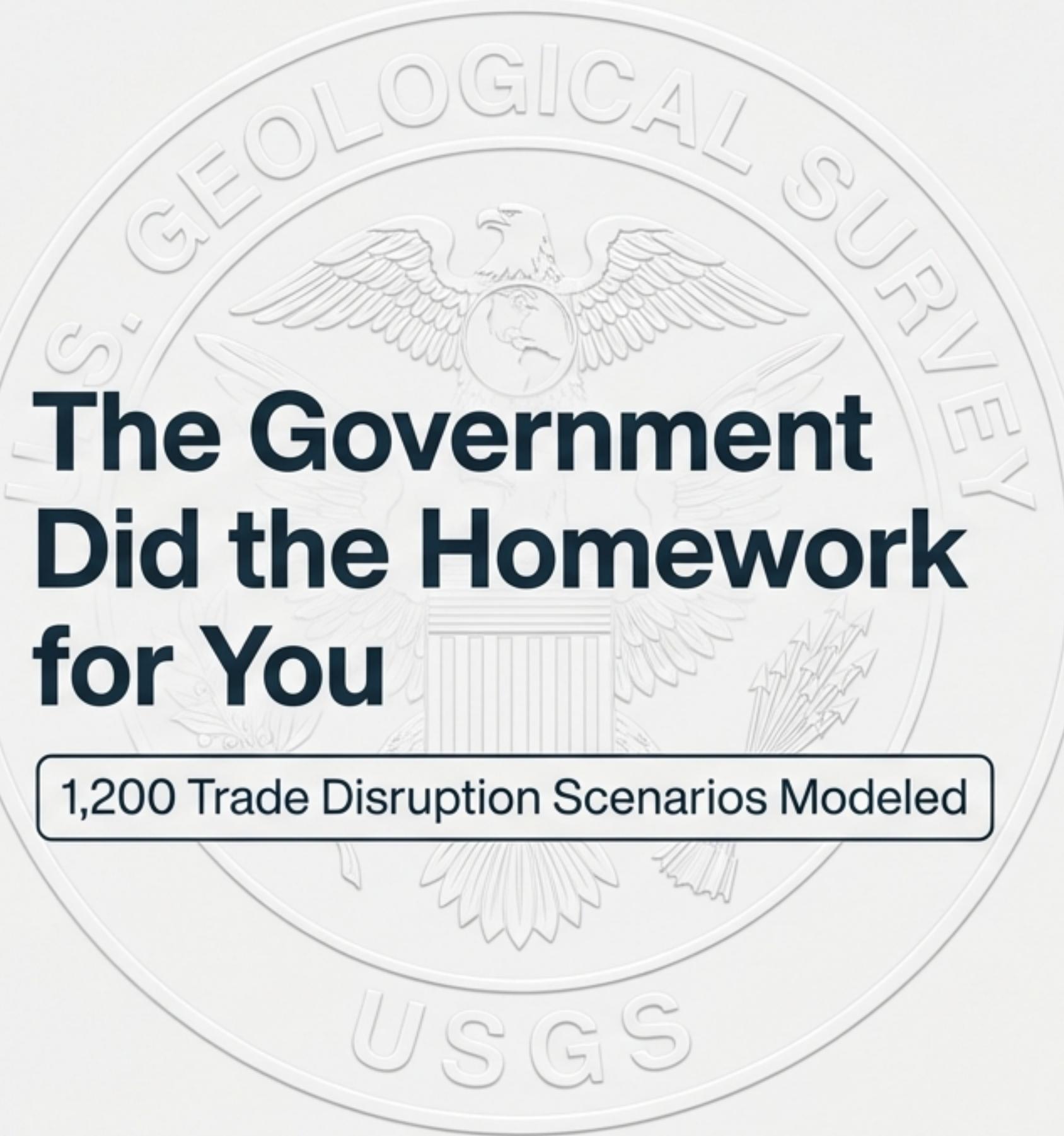


The 2025 Alpha List

Capitalizing on Critical Minerals

Decoding the USGS Report for Strategic Asset Allocation

Li +2.4% ▲ COBALT -0.8% ▼ GALLIUM +5.1% ▲ NICKEL +1.2% ▲ REE +3.7% ▲ PT GROUP -0.3% ▼ VANADIUM +2.1% ▲ LITHIUM CARBONATE +2.5% ▲ 1.5% ▲ LITHIUM CARBONATE +2.5% ▼ COBALT SULFATE -1.0% ▼ GALLIUM ARSENIDE +5.5% ▲ NICKEL SULFATE +1.5% ▲ CRITICAL MINERALS INDEX +2.9%



The Government Did the Homework for You

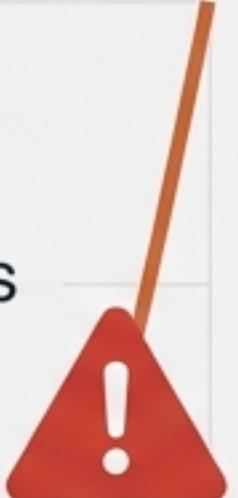
1,200 Trade Disruption Scenarios Modeled

Source: Energy Act of 2020 / USGS Technical Input

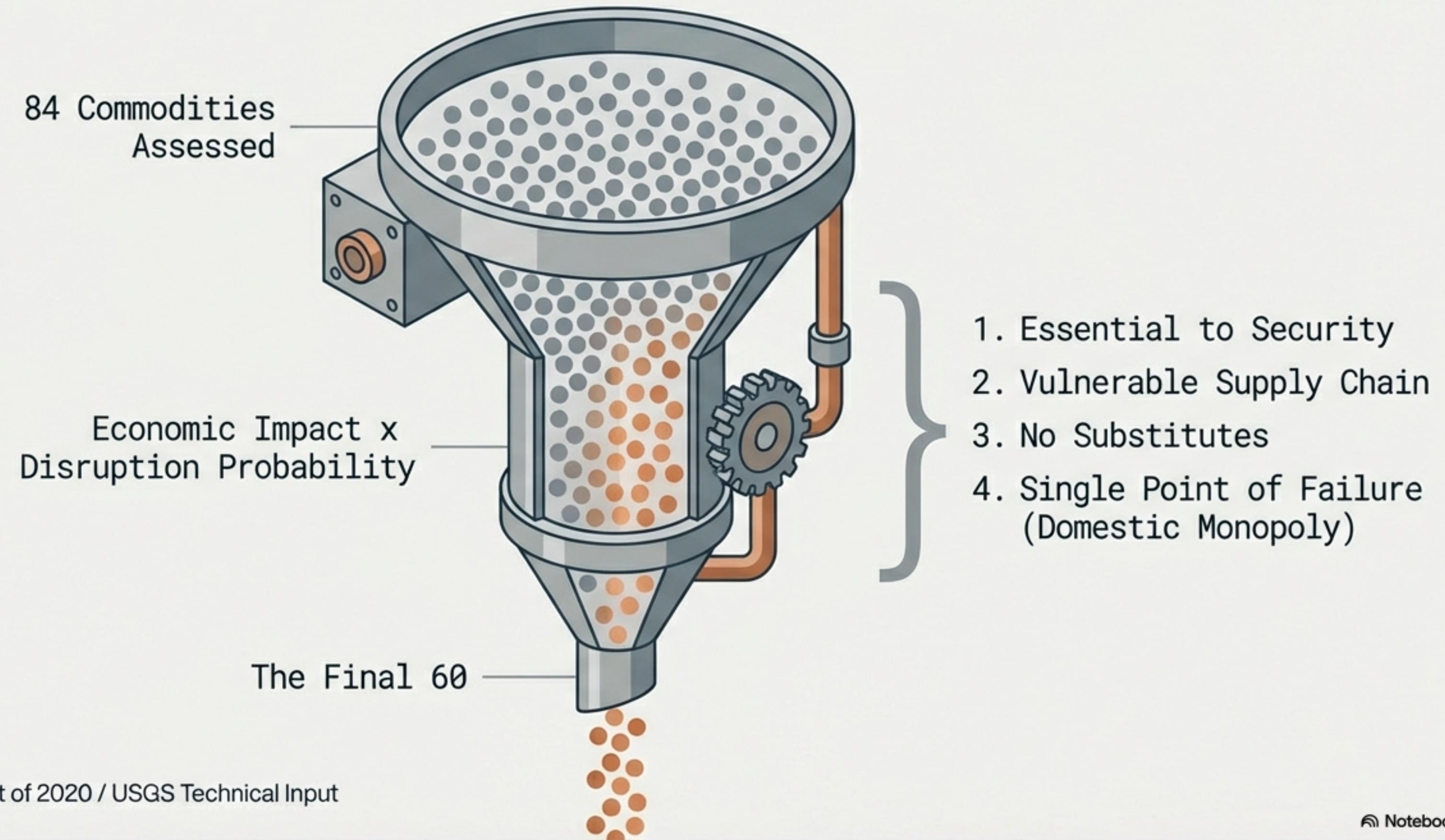
Demand / Risk

Scope: Analysis of 400+ Industries
Scope: Analysis of Minerals
Output: 60 Essential Minerals
Edge: Identifying Single Points of Failure

Time

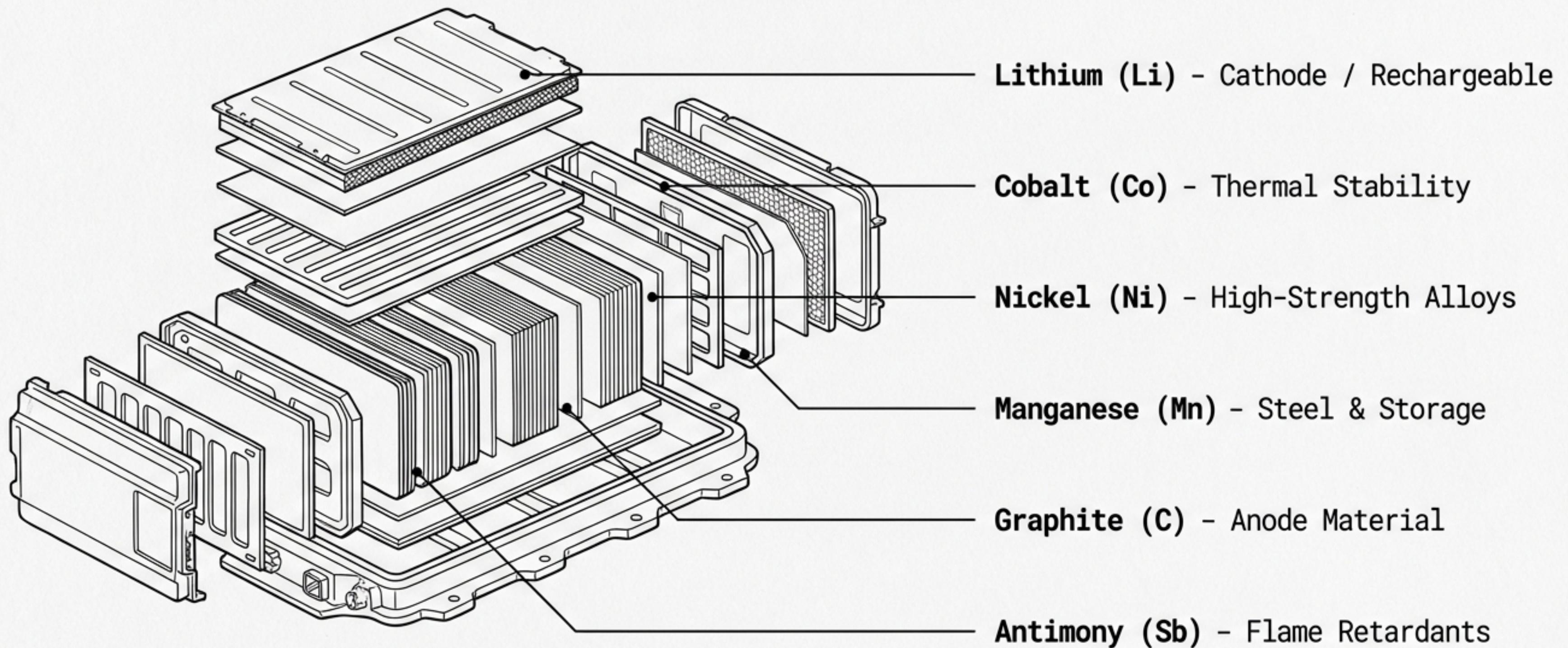


The Risk Model: Where Scarcity Meets Necessity



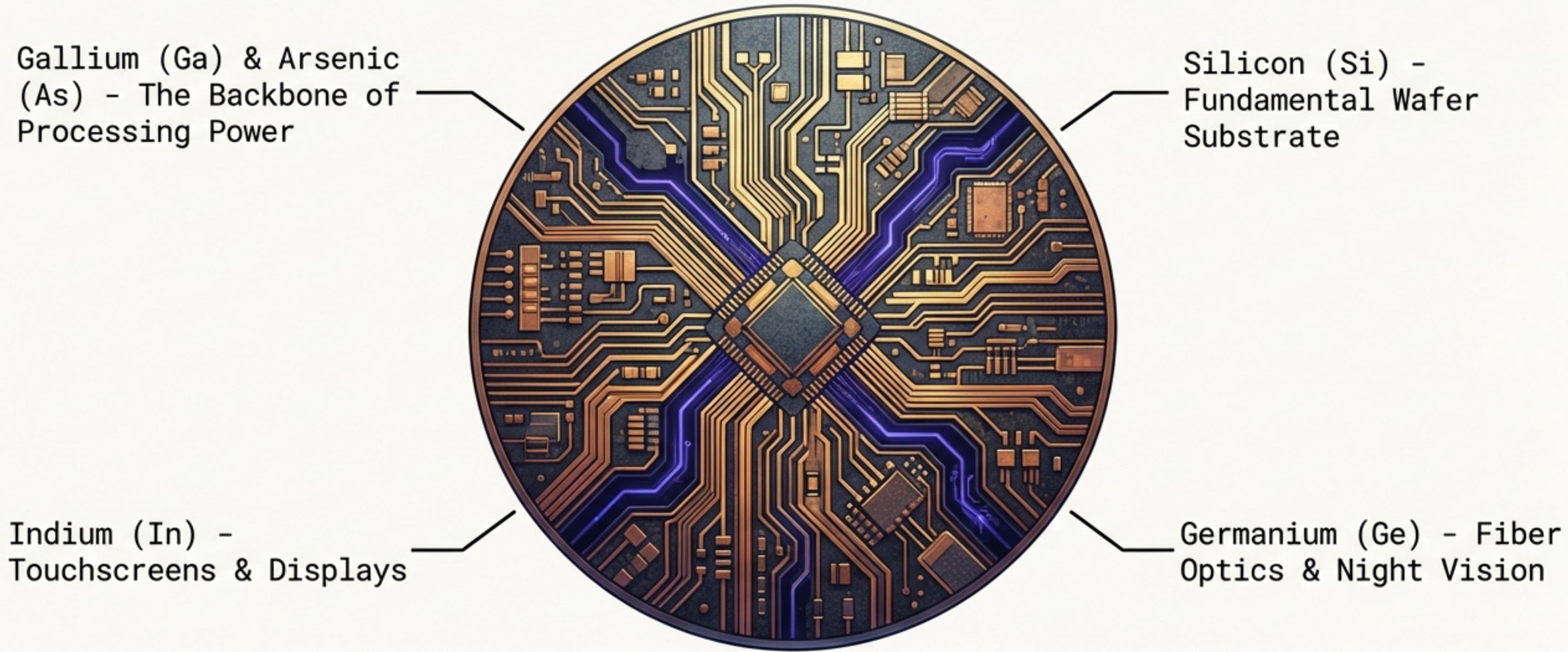
Source: Energy Act of 2020 / USGS Technical Input

The Energy Transition: Powering the Grid and EVs



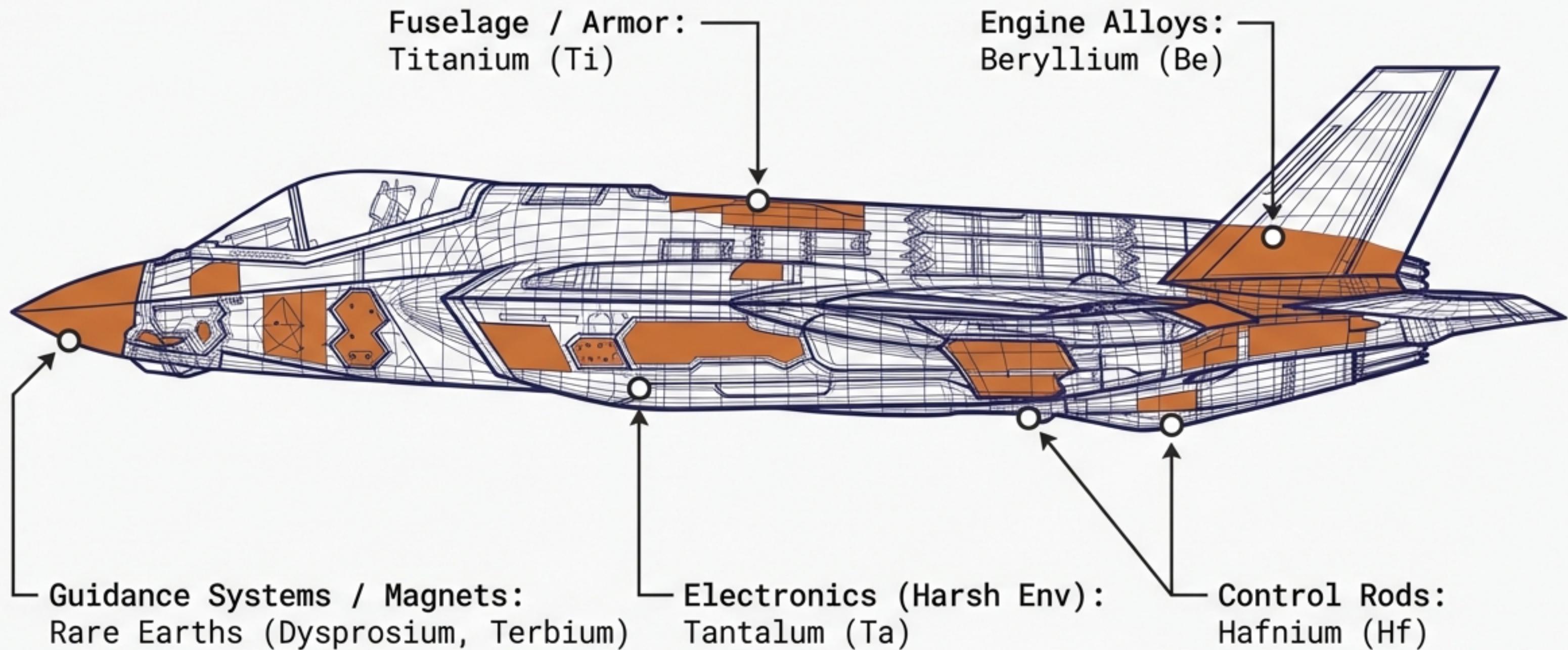
Source: Energy Act of 2020 / USGS Technical Input

The Silicon Shield: Semiconductors and AI Hardware



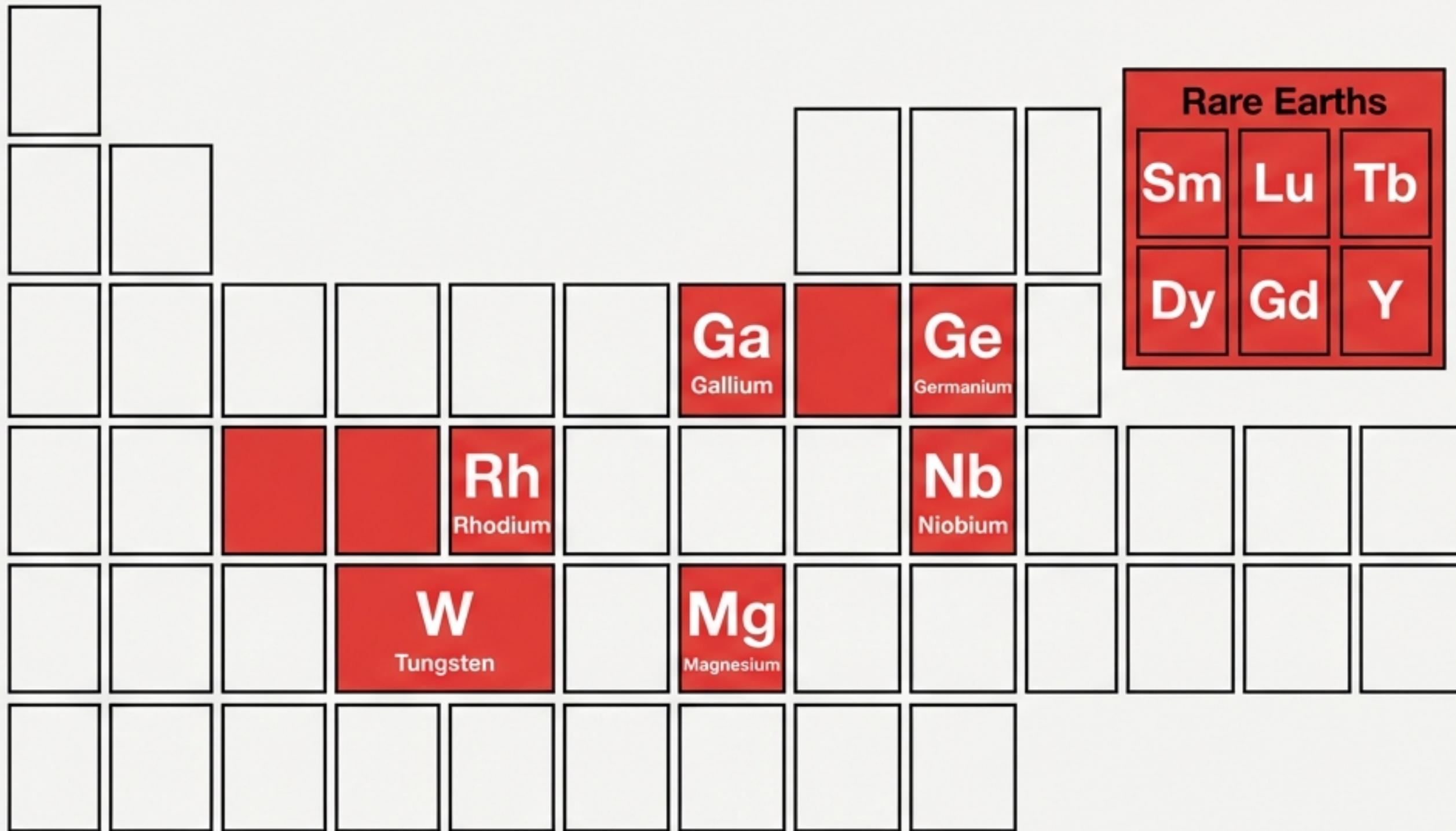
Investment Angle: You cannot be long on AI if you are short on Gallium.

The War Chest: Aerospace and Defense



Helvetica Now Display

The Red Alert List: Highest Probability of Disruption



**CRITICAL
RISK**

Disruption
Probability:
MAXIMUM

USGS Status:
**Highest Risk
Weighting**

Policy Shifts: The New Strategic Imperatives



Metallurgical Coal - Steel Production



Uranium - Nuclear Security

Dept. of Energy Strategy: Secure Energy Independence & Steel Manufacturing.
Key Insight: Legislative Support creates a price floor.

The Broad Approach: Strategic ETFs



- STRATEGY: Buy the Supply Chain, not the miner.
- VEHICLE: Exchange Traded Funds (ETFs).
- TARGETS: Strategic Metals, Rare Earths, Clean Energy Mining.
- PROS: High Diversification, Lower Volatility.

The Precision Play: Tokenized Commodities



STRATEGY: Sniper-like Precision.

VEHICLE: Tokenized Real-World Assets (RWA).

TARGETS: High Risk List (Gallium, Rhodium).

PROS: 24/7 Liquidity, Fractional Ownership, Spot Price Exposure.

Source: Energy Act of 2020 / USGS Technical Input

Short-Term Strategy: Trading the Shock

CATALYST: Supply Chain Warnings.

TARGETS: The High Risk Basket (Rh, Nb, Mg).

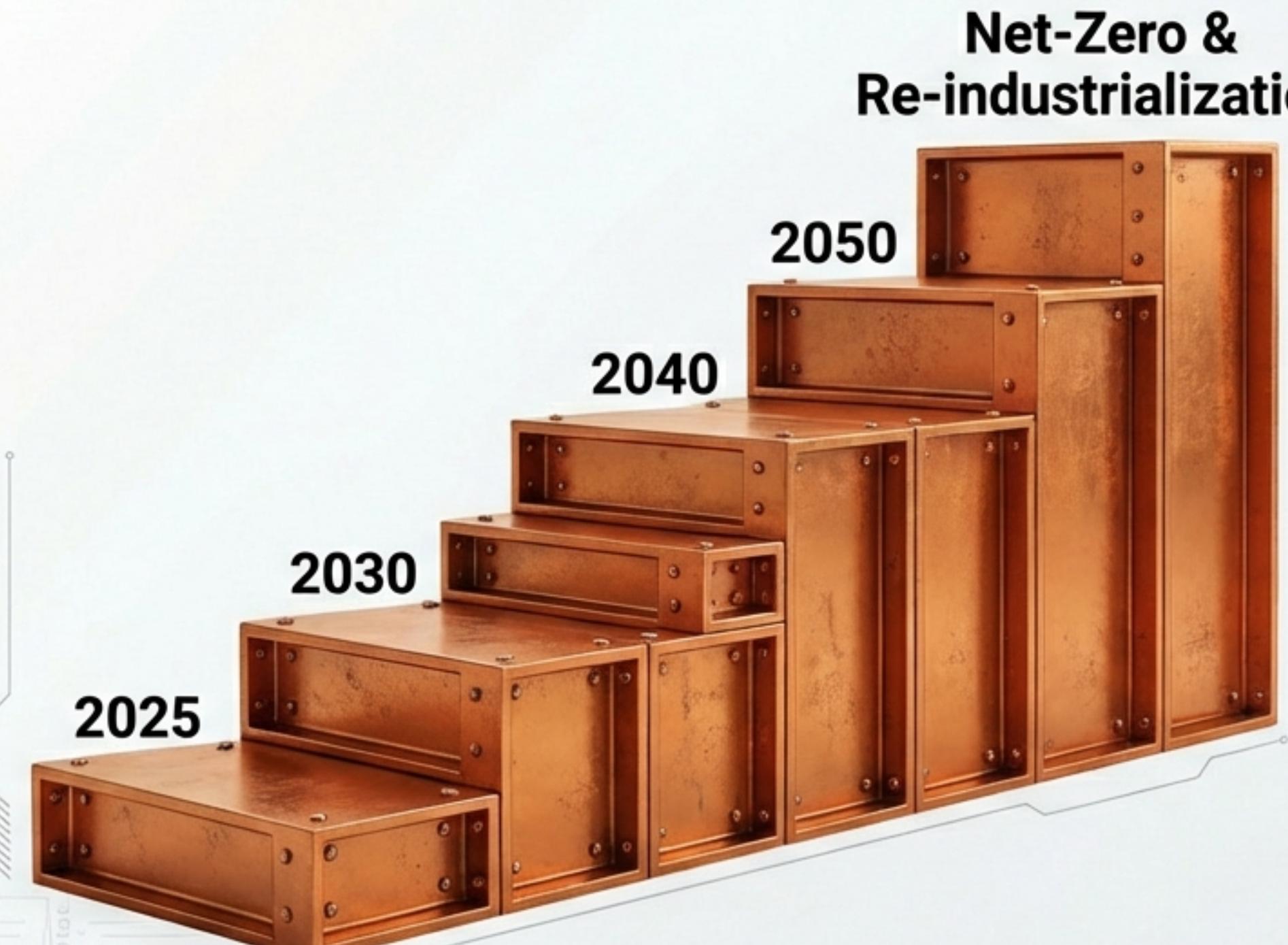
ACTION: Monitor Federal Register.

GOAL: Profit from immediate supply squeezes.



Source: Energy Act of 2020 / USGS Technical Input

Long-Term Strategy: The Industrial Supercycle



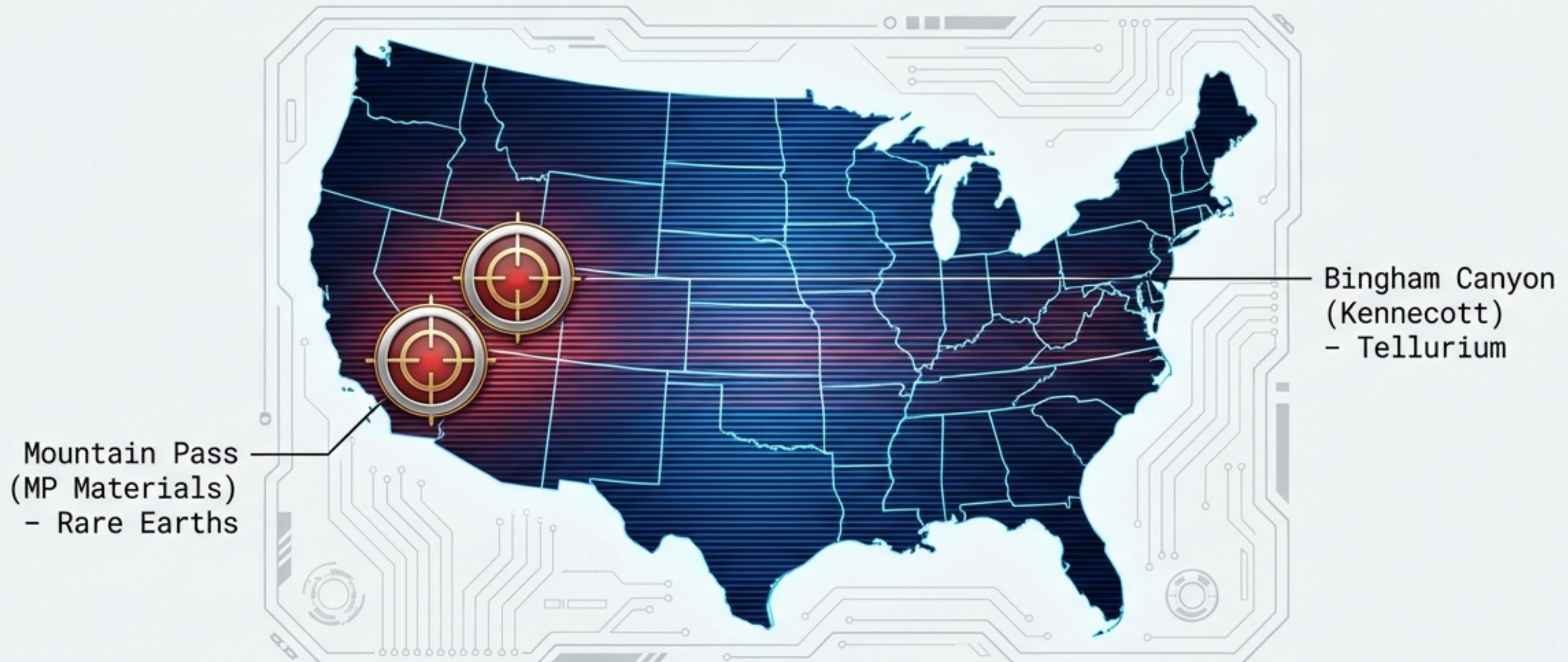
TARGETS: Infrastructure Metals.

- Aluminum (Al) - Economy-wide application.
- Copper (Cu) - Electrification wiring.
- Zinc (Zn) - Rust protection.

GOAL: Accumulate positions for the 2030-2050 horizon.

Source: Energy Act of 2020 / USGS Technical Input

The Domestic Premium: Reshoring Resources



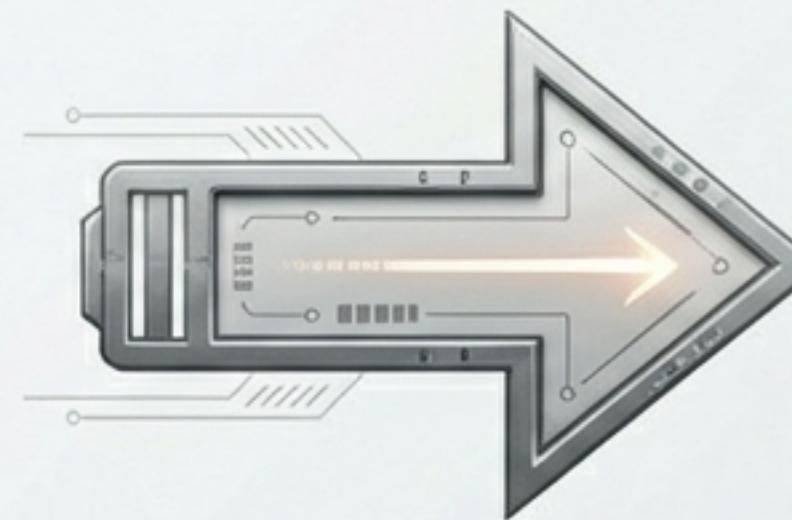
Initiative: USGS Earth MRI (Mapping Resources Initiative).

Opportunity: US-based miners command a "Security Premium" due to subsidies and protected status.

The Trader's Checklist

- 1. SECTOR ID:** Tech (Ga), Energy (Li), or Defense (Be)? 
- 2. RISK SCORE:** Is it on the USGS 'High Risk' Red List? 
- 3. VEHICLE SELECTION:** ETF for Safety vs. Token for Speed. 
- 4. TIME HORIZON:** Volatility Shock vs. Supercycle Hold. 

Geology is Destiny



-  **Trend:** Dependency is increasing. 50 minerals returned, 10 added.
-  **Final Call:** Position your portfolio at the start of the supply chain.
-  The 'Oil' of the 21st Century is now mapped.