

NODE 6: THE AUTONOMOUS TRANSPORTATION DIVISION

Sovereign Mobility & Rural Healthcare
Logistics in the Heart of Route 66



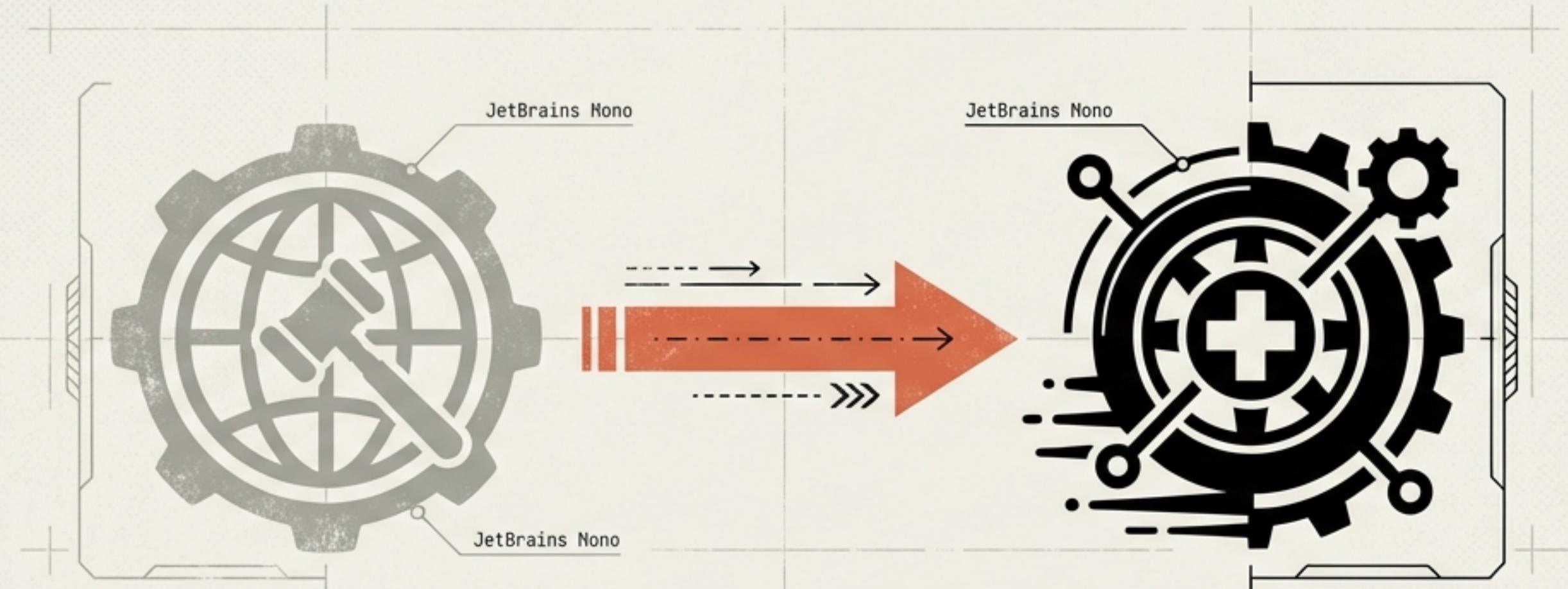
STRATEGIC REALIGNMENT

Executive Summary

Node 6 has pivoted

Formerly a governance hub, it is now the “Circulatory System of the Octagon network.

We are moving from the lab to the road to validate Sovereign Mobility.



Legacy Mandate: Global Governance

New Mandate: Operational Logistics

NODE 3 (PHOENIX/TEMPE)

NODE 6 (LA PAZ COUNTY)

The Simulator.

Focus on Engineering & R&D.
The “Brain” of the network.

The Real World.

Focus on Operations & Service Delivery.
The “Muscle” of the network.

THE MARKET FAILURE: A CRISIS OF CONNECTIVITY

Turning a transportation desert into a connected corridor.



DEMOGRAPHICS

Median Age: 71.2 Years
(Vs. National Avg)

Vulnerable Population: High

THE GAP

Current Transit: "Camel Express"
(1 Day/Week)

Reliability: Critical Failure

THE DEADHEAD COST

Traditional NEMT: Unprofitable
due to empty return miles.

Result: Provider shortages.

THE GOAL

Target: Reduce medical
no-shows by 40%.

THE SOLUTION: LEAVE THE DRIVING TO US

Unit Economics of the Autonomous Shift

TRADITIONAL MODEL



**50%
MARGIN**

- Human Driver (Labor Cost)
- Gas Vehicle (Fuel Volatility)
- Business Hours Only

SOVEREIGN MODEL



**~81%
MARGIN**

- Driverless (Zero Labor Cost)
- Solar/Electric (Energy Arbitrage)
- 24/7 On-Demand Availability

Economics: A standard 64-mile round trip to Parker yields ~\$110 in revenue.
Removing the driver transforms the business model.

THE TECH STACK: RIOS

Rural Infrastructure
Operating System



THE BRAIN

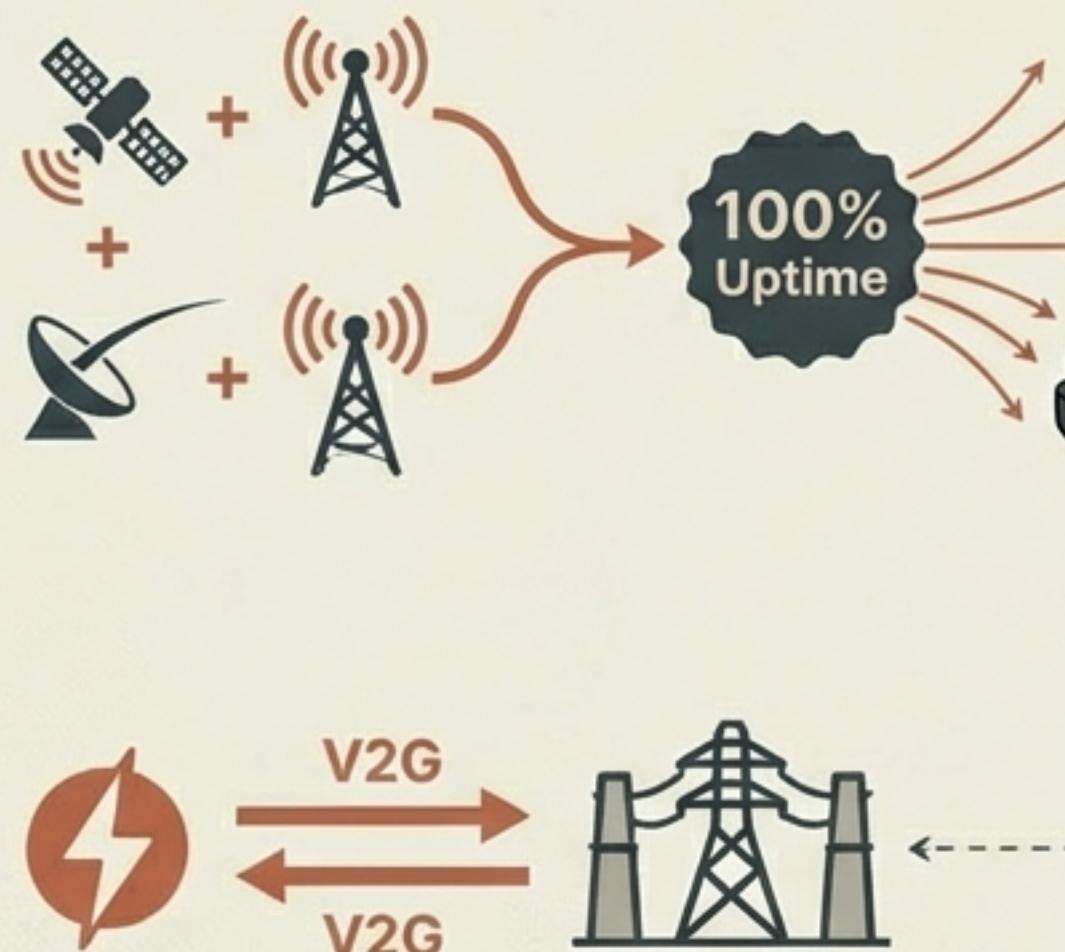
NVIDIA Drive Platform.

Leveraging AZDOT-approved frameworks for unmapped roads.

THE NERVOUS SYSTEM

Sovereign Connectivity

Signal Fusion bonding Starlink High-Performance + CAT4 vSIMs. 100% Uptime in canyons.



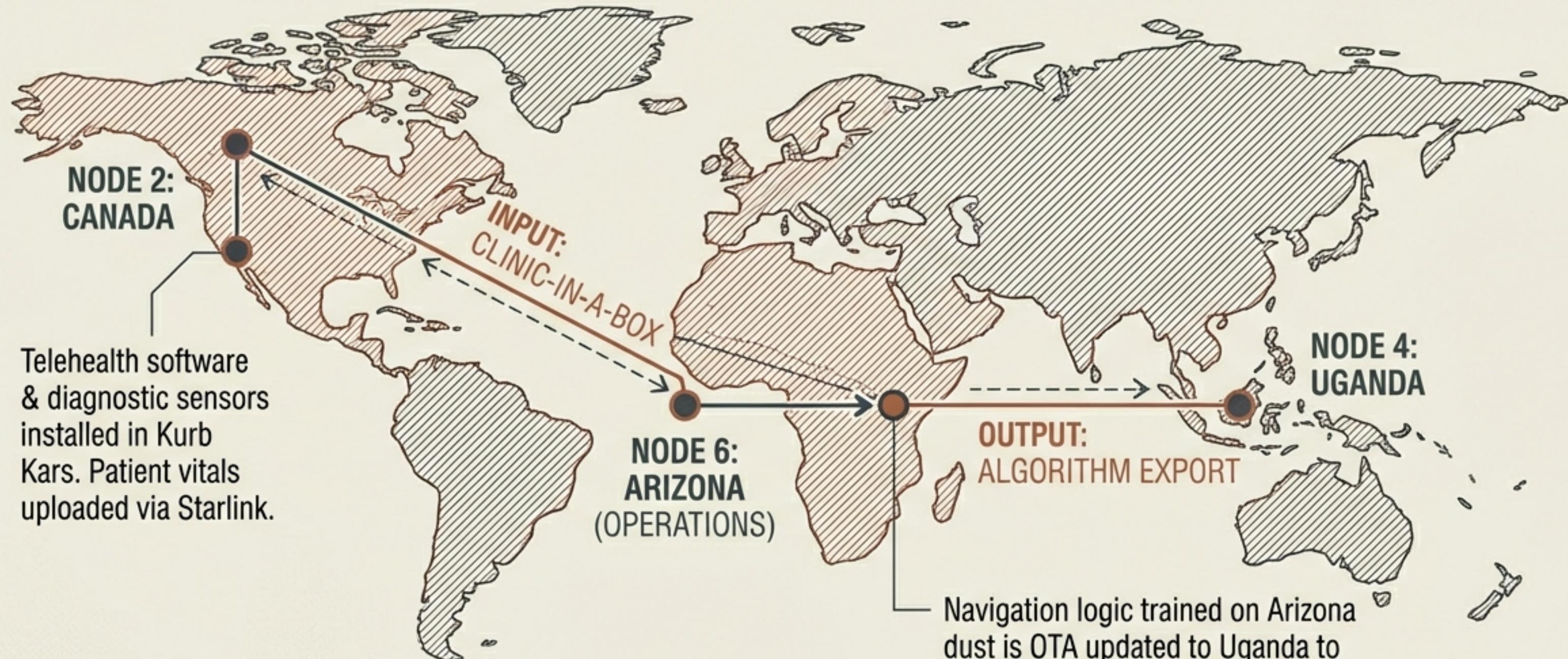
THE ENERGY

Microgrid Integration

V2G (Vehicle-to-Grid) enabled. Cars act as mobile batteries to stabilize local power loads when parked.

GLOBAL MESH INTEGRATION

Node 6 is not a silo. It is an input/output engine for the Octagon Network.



THE ROUTE 66 PIVOT: HIGH-TECH HERITAGE

Leveraging the 2026 Centennial for Grants & Positioning.

CONCEPT: THE ARTERY OF THE 21ST CENTURY

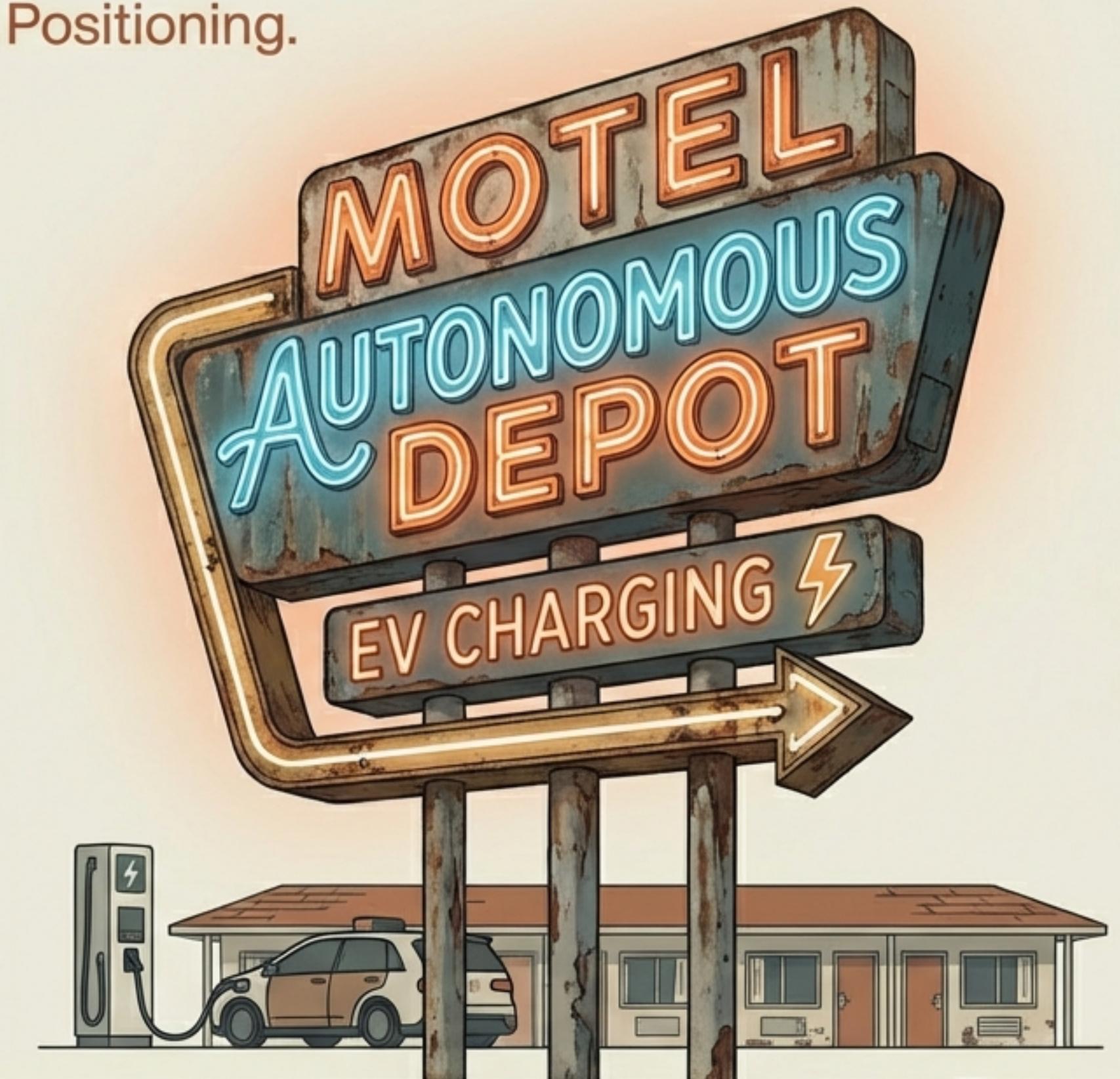
Route 66 was the first paved road to the west.
We are paving the digital road.

STRATEGY: THE NEO-GREEN BOOK

Positioning Sovereign Mobility as a tool for safety and accessibility. Solving the transportation desert for the elderly and disabled.

EXECUTION

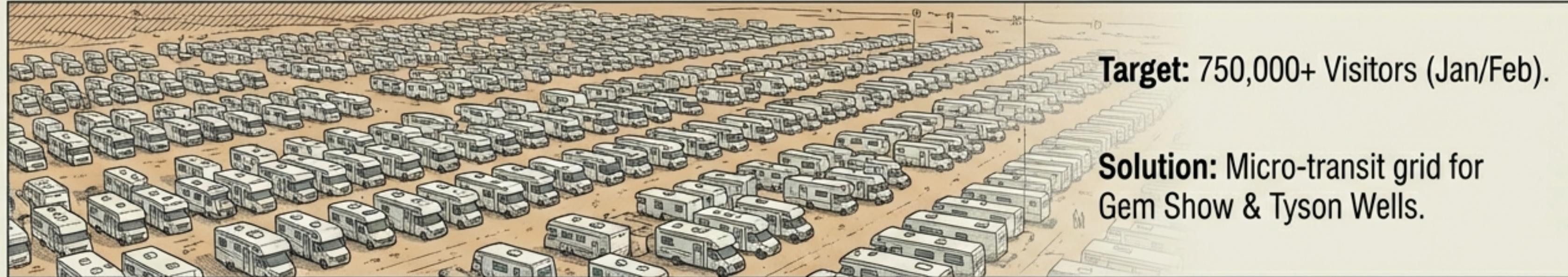
Retrofitting historic motels and diners with RIOS charging hubs to access preservation grants.



QUARTZSITE & RIVER STRATEGY

Capturing Seasonal Economies

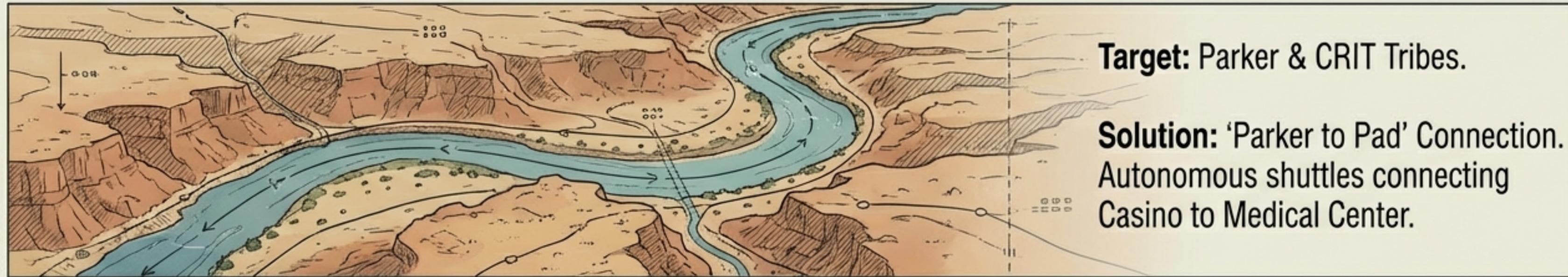
WINTER SURGE: QUARTZSITE



Target: 750,000+ Visitors (Jan/Feb).

Solution: Micro-transit grid for Gem Show & Tyson Wells.

BLUE MOBILITY: THE RIVER



Target: Parker & CRIT Tribes.

Solution: 'Parker to Pad' Connection. Autonomous shuttles connecting Casino to Medical Center.

THE 'LAYER CAKE' FUNDING STRATEGY

Non-Dilutive Capital Stack for 2026

LAYER 3: INNOVATION (R&D)

Source: RAV Research Program / FTA 5311

Use: Fleet Deployment & AI Modeling

LAYER 2: INFRASTRUCTURE (CAPEX)

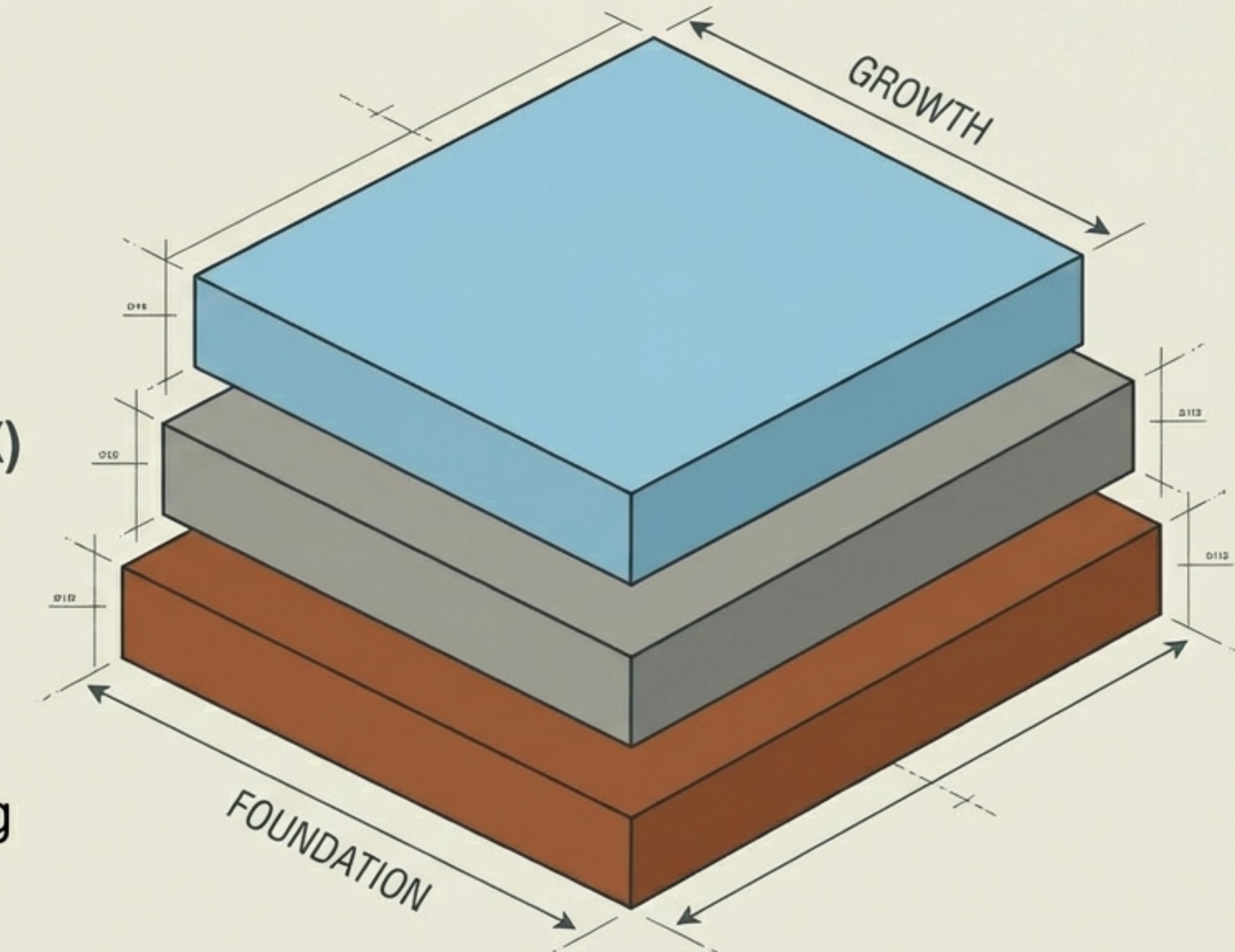
Source: Federal CFI / SMART Grants

Use: Charging Hubs & Connectivity Towers

LAYER 1: SEED (OPEX)

Source: AZ SMART Fund (State Match)

Use: Engineering, Feasibility, & Grant Writing

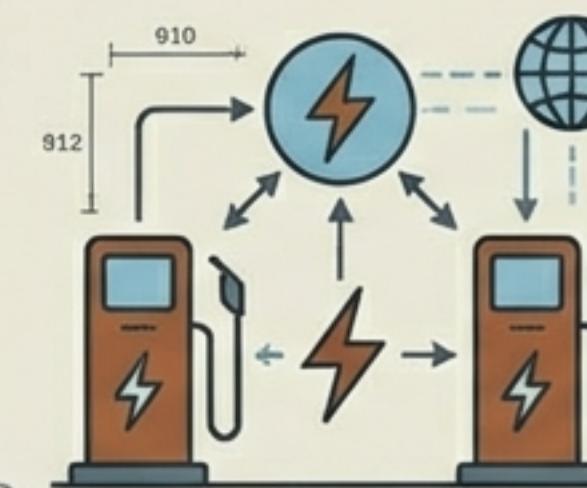
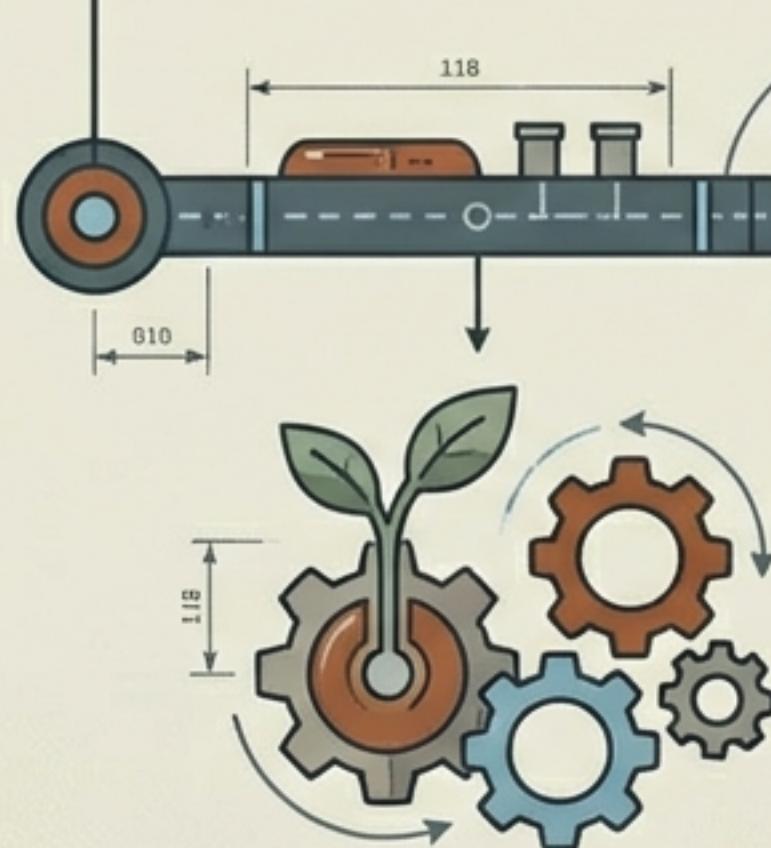


THE GRANT ROADMAP: 2026 FISCAL YEAR

Execution Timeline & Strategic Partnerships

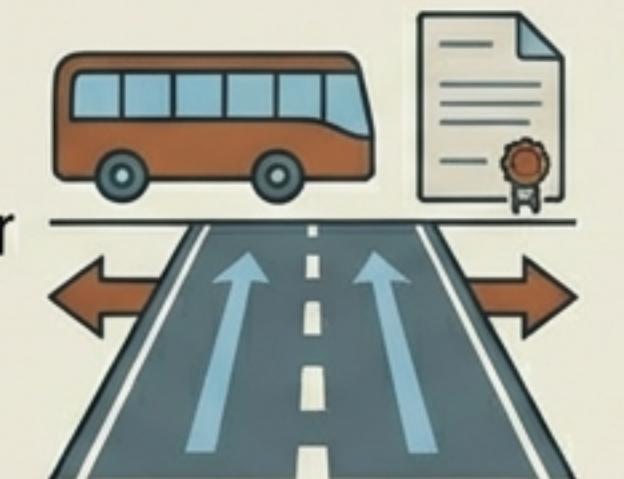
Q1 THE SEED

Founders Grotesk
Secure AZ SMART Fund
via La Paz County. Form
Consortium with ASU.



Q3 THE PARTNERSHIP (THE HACK)

Partner with Stage 1 SMART Winner
(Arizona Commerce Authority).
Pitch: "You have V2X tech, we
have the rural testbed."



Q2 THE INFRASTRUCTURE

Submit CFI Community Grant
bid.
Focus: Public Community
Charging Hubs.

Q4 OPERATIONS

Secure FTA Section 5311.
Formula Grants for Rural
Areas via ADOT.

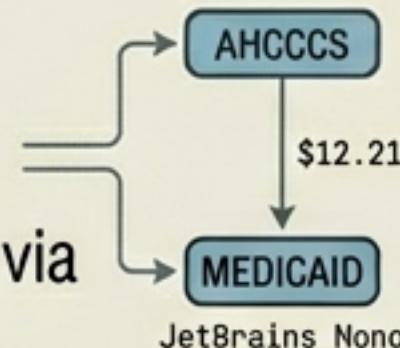
SUSTAINABLE REVENUE ARCHITECTURE

Burnt Sienna Fouders Grotesk Medium



STREAM A: B2G (GOVERNMENT)

NEMT Reimbursements via AHCCCS/Medicaid. Est. \$12.21 Base + \$1.53/mile. High volume, consistent base revenue.

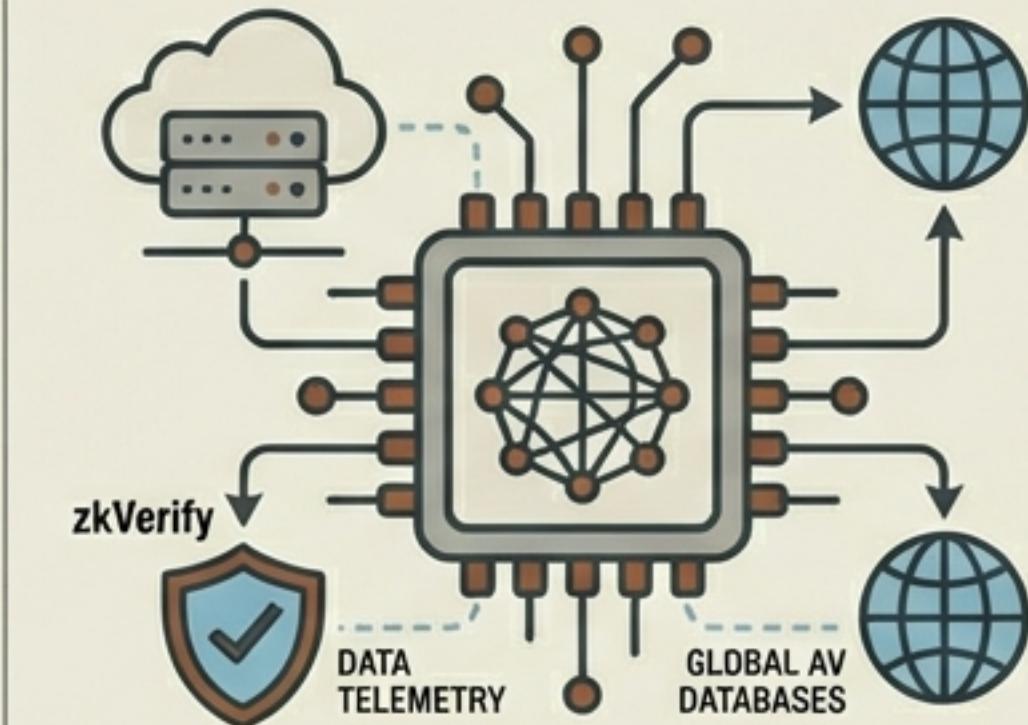


STREAM B: B2C (TOURISM)

Seasonal “Snowbird” surge pricing. Private ride-hailing for the 1M+ winter visitors in Quartzsite.

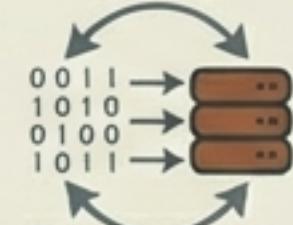


POPULATION
JetBrains Mono



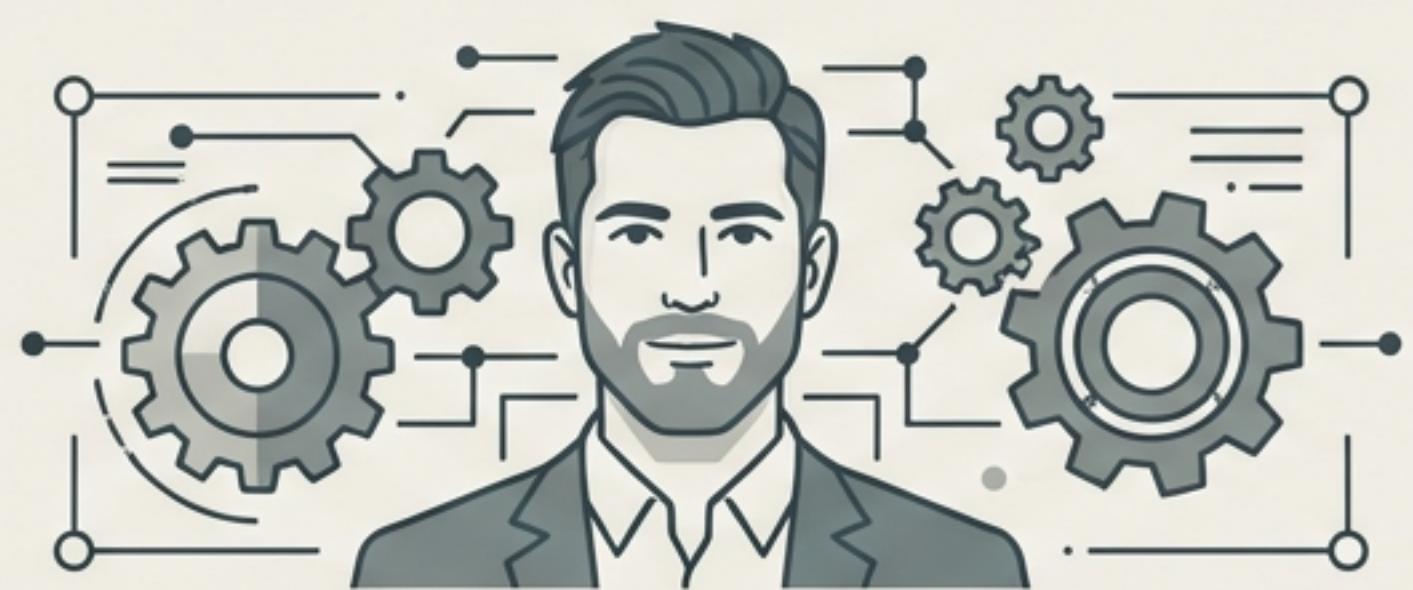
STREAM C: B2B (DATA)

Monetization of “Edge Case” driving data. Telemetry of unpaved roads verified via zkVerify and sold to global AV databases.



GLOBAL AV
JetBrains Mono

LEADERSHIP & PARTNER ECOSYSTEM



BRION CRUM

The Champion / The Human Link

Mandate: Connecting Capital, Real Estate, and Technology. Bridging the gap between investors and high-growth opportunities in the Southwest.



The Ecosystem approach ensures regulatory compliance and community trust.

CORPARY

THE NEW RURAL ECONOMY

THE SHIFT:

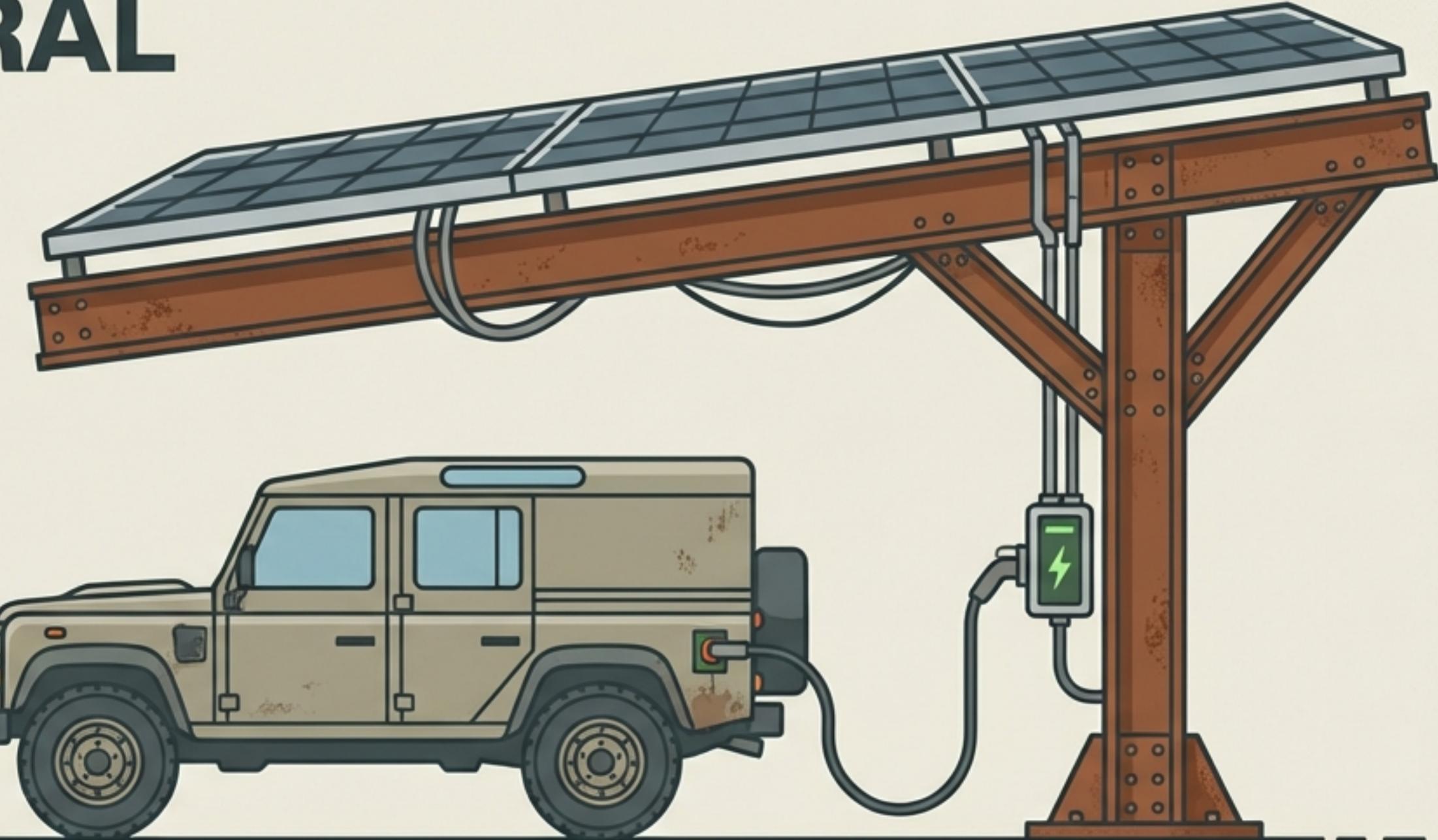
From 'Governance' to 'Logistics'.

THE HACK:

Partnering with Stage 1 winners to fast-track funding.

THE VISION:

Moving from 'Labs' to 'Real Roads'.



NODE 6 IS NOT JUST TESTING TECHNOLOGY. IT IS DELIVERING SERVICE.

APPENDIX: DATA BANK & REFERENCES

GRANT SPECIFICS	REVENUE ASSUMPTIONS	ACRONYMS
AZ SMART Fund: Rolling/Quarterly. Admin: ADOT. RAV Research Program: \$25M Allocation for rural AV. CFI Grant: 50% set- aside for rural/low- income areas.	Based on standard round trip to Parker (64 miles). Utilization rates based on Q1 Pilot Fleet deployment.	NEMT: Non-Emergency Medical Transport V2G: Vehicle-to-Grid NOFO: Notice of Funding Opportunity RIOS: Rural Infrastructure Operating System