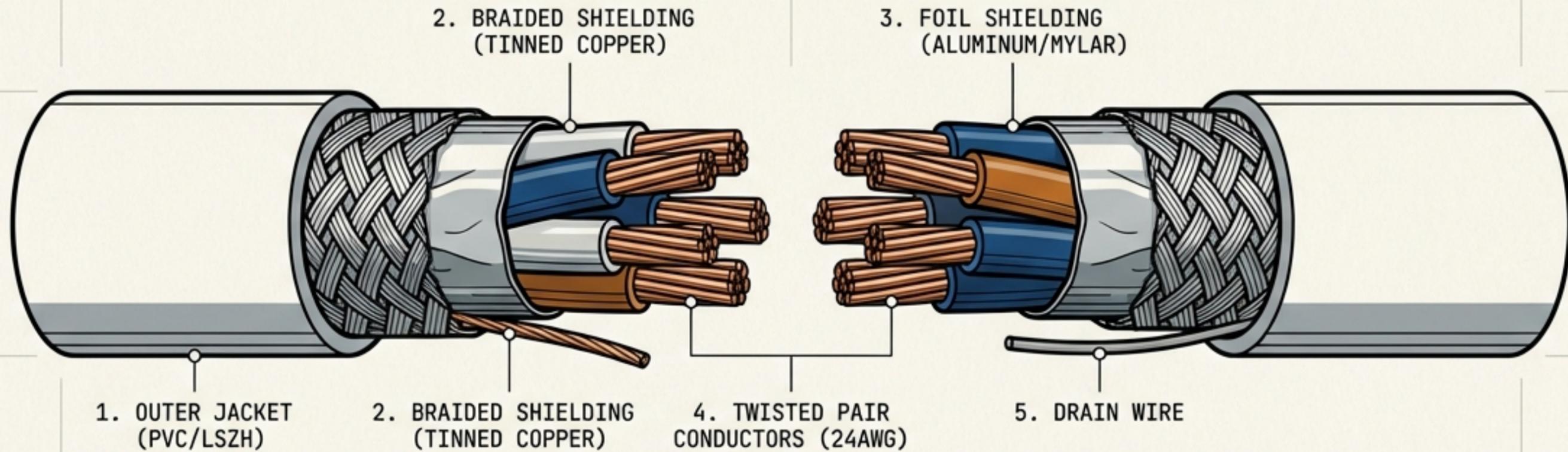


SOVEREIGN AUTOMATION

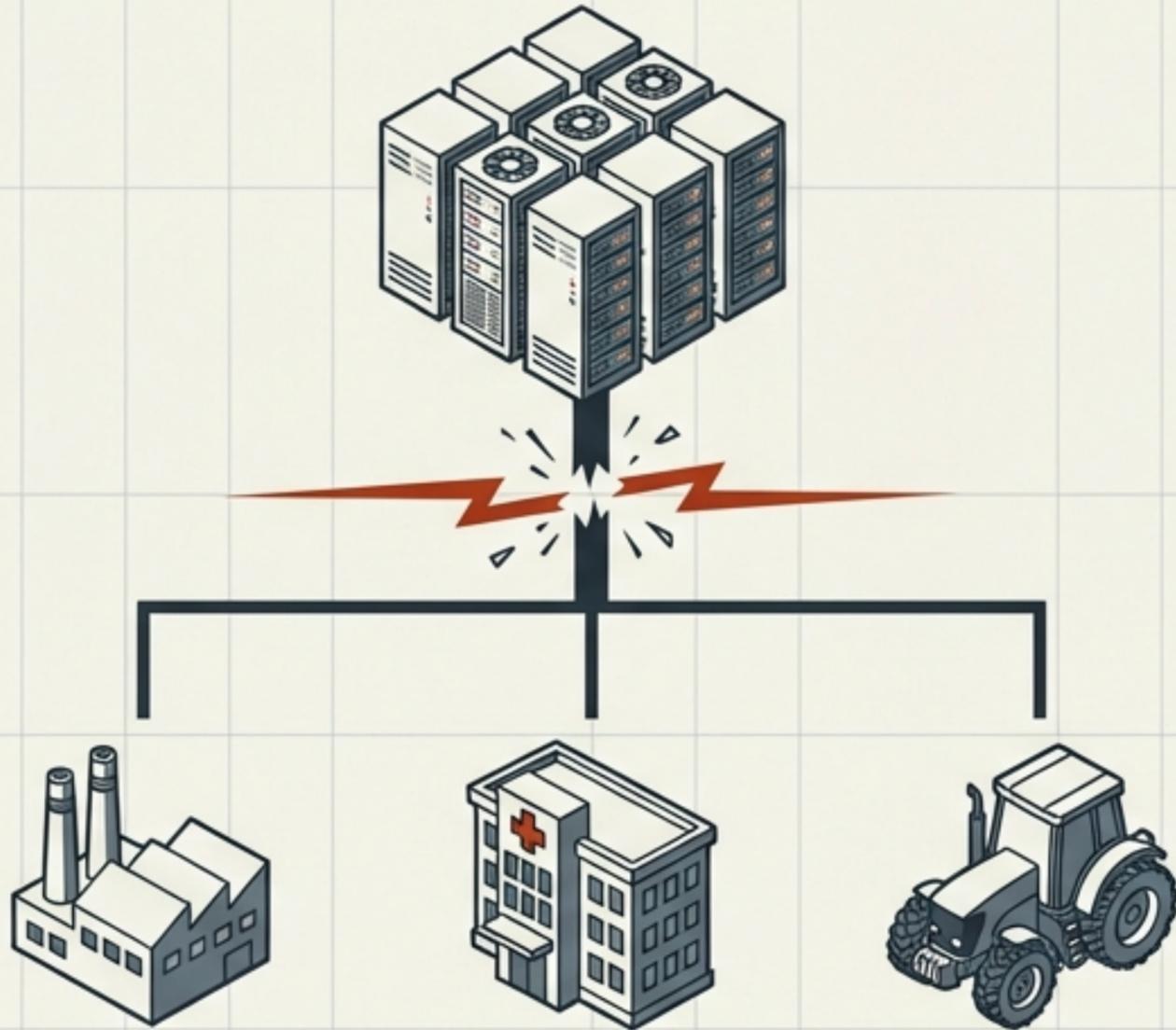
The architecture of localized, un-killable infrastructure.



STATUS: AIR-GAPPED // ENCRYPTION: SHA-256 // CLEARANCE: EXECUTIVE

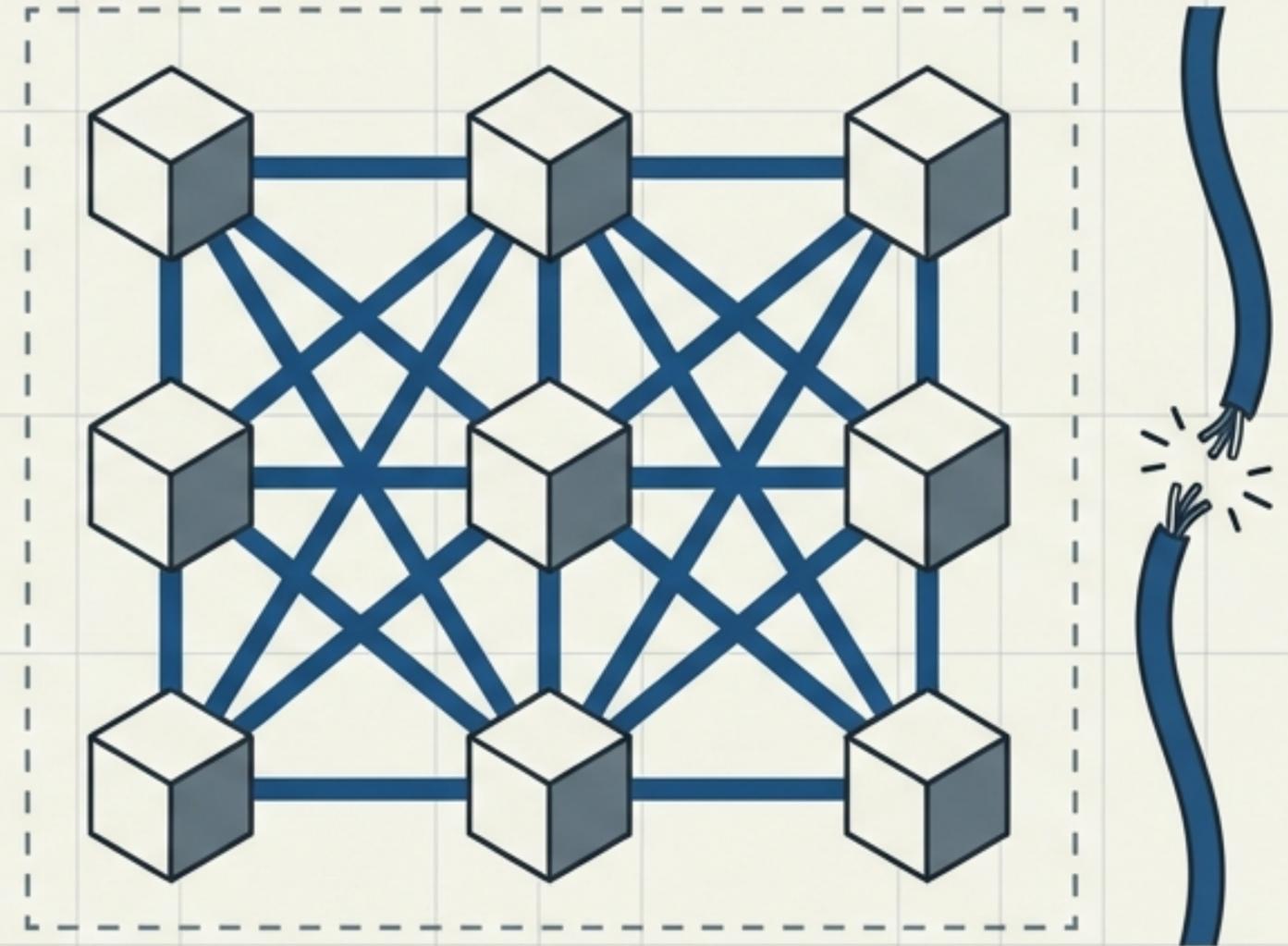
The Fragile Cloud

Latency. Extortion. Outage.



The Sovereign Mesh

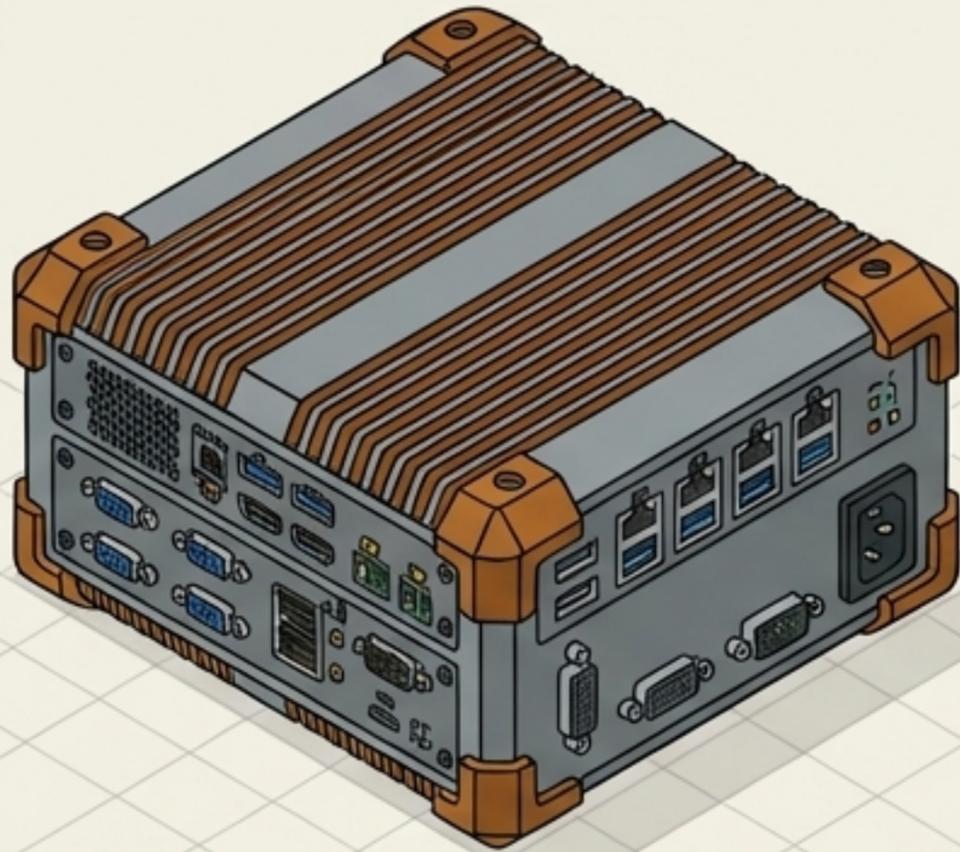
Zero Cloud. Zero Latency. Absolute Sovereignty.



True physical security and kinetic automation cannot rely on distant server farms. When milliseconds matter, the cloud is a liability. Sovereign Automation replaces external dependencies with a self-healing, localized AI operating system.

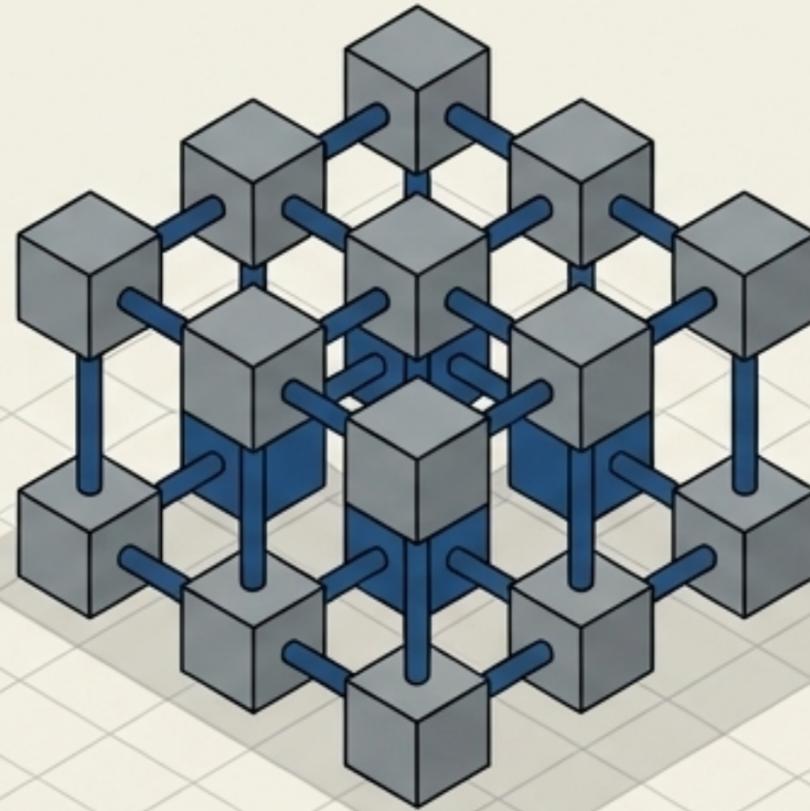
The Component Equation

Every package in the DeReticular portfolio is a specialized configuration of these three foundational elements.



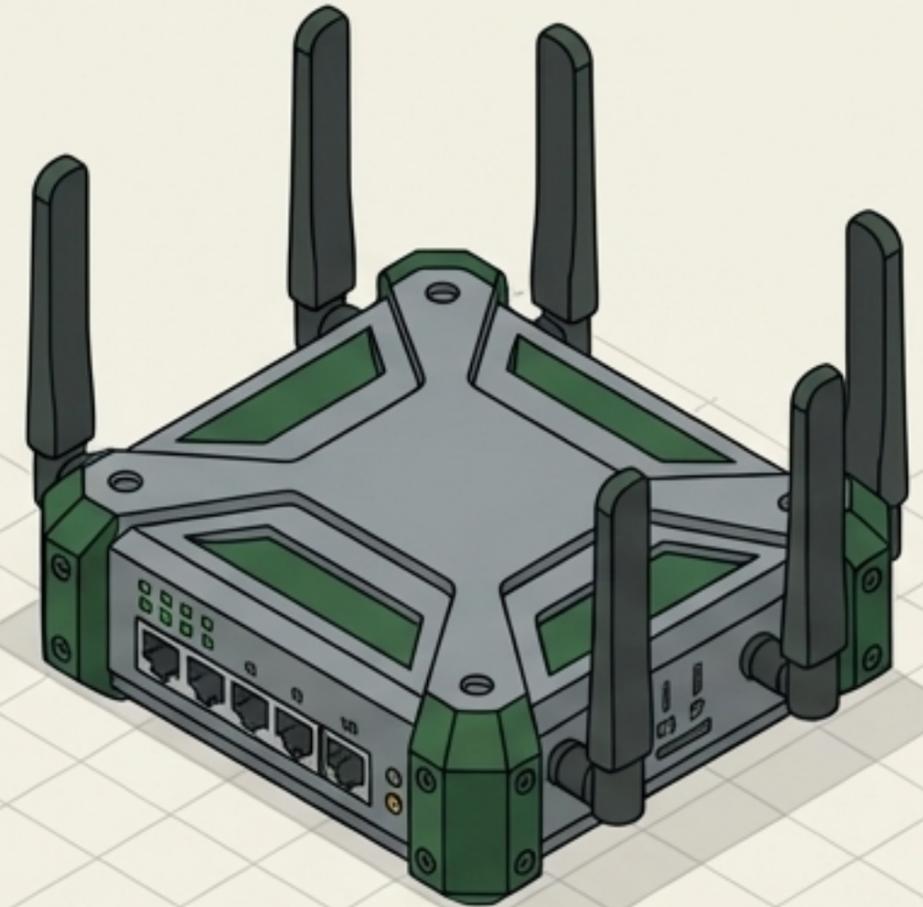
HARDWARE: The Sentry Series

High-capacity compute nodes. Runs locally.
Survives industrial environments.



INTELLIGENCE: The OpenClaw AI

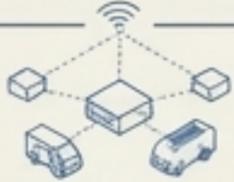
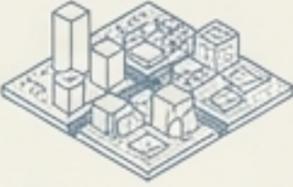
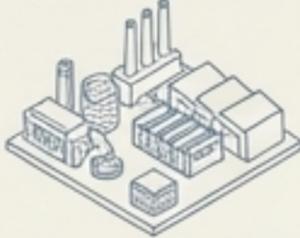
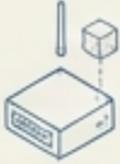
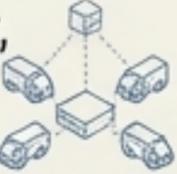
Localized LLMs and agents (DevOps, Executive, Foreman, Vault Warden). No data egress.



NETWORK: The Nomad Mesh

Wi-Fi 6E, LoRaWAN, and Private 5G.
Casts the un-killable intranet canopy.

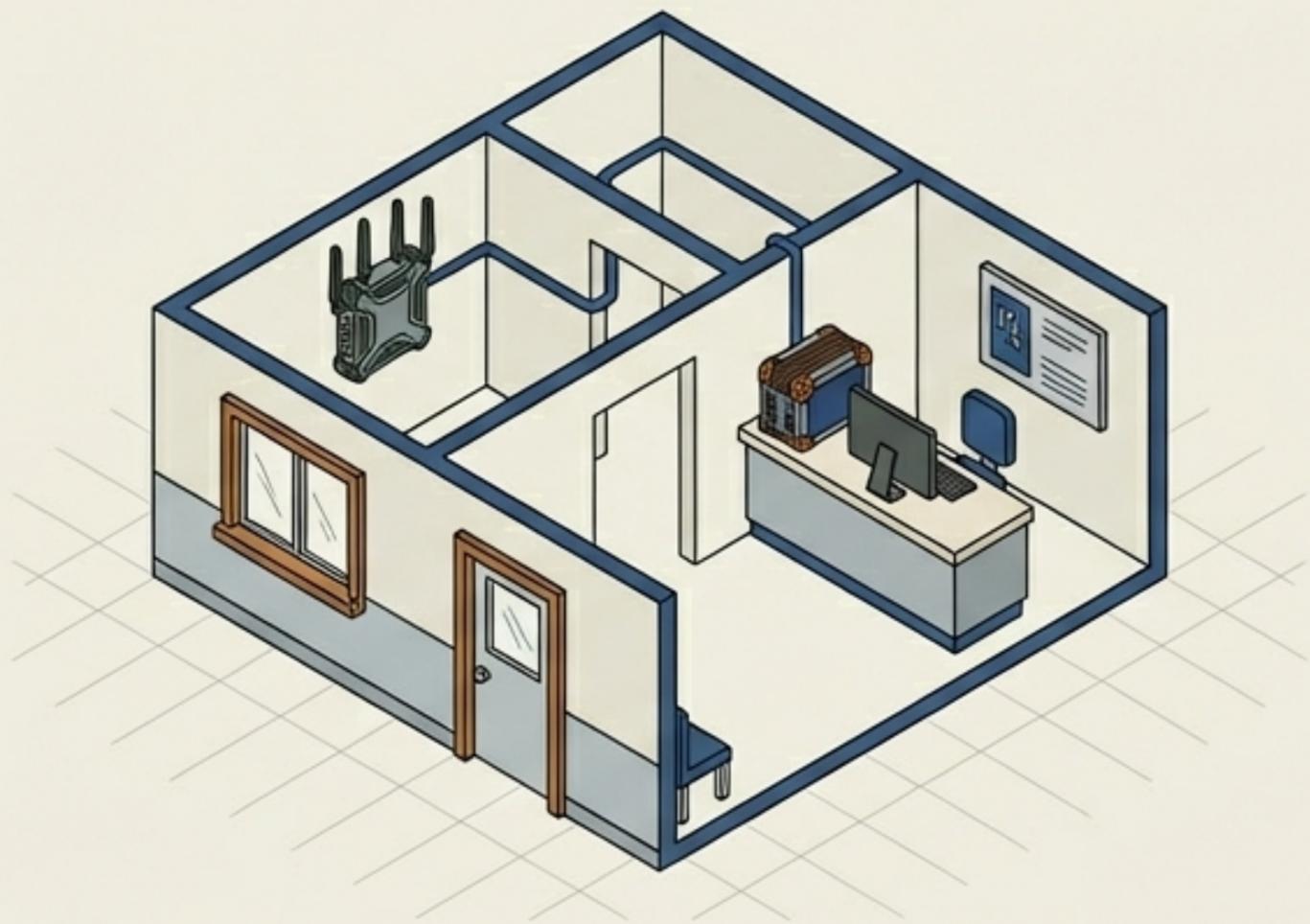
The Sovereign Ecosystem Matrix

	 Single Entity	 Targeted Infrastructure	 Micro-Municipality	 Macro-Municipality	 Mega-Industrial
Package Name	Main Street Commerce / Resilient Microgrid	Digital Nervous System / Citadel Security	Village Genesis	City Nexus / Urban Hub	Sovereign Harvest / Forge / Fortress
Investment	\$449 / \$999	\$4,999 / \$2,499	\$49,000	\$129k / \$389k	\$85k / \$249k / \$549k
Hardware Footprint	1 Edge Node + 1 Mesh Point 	3-Node Cluster / Volumetric LiDAR 	1x Core Cluster, 12x Mesh, 3x Shuttles 	Redundant Cores, Up to 100x Mesh 	GPU Clusters, Digital Twins, LoRaWAN Towers 
Core AI Agents	Executive / Foreman	Deep Admin / Vault Warden	Executive, Foreman, Warden, Admin	All Agents	Custom Industrial Configurations
Target Audience	Local Businesses, Clinics, Homes	ISP Datacenters, Evidence Rooms	100-1,000 Pop. Towns	1,000-10,000 Pop. Cities	Commercial Farms, Defense Manufacturers, Bullion Vaults

Single Entity Scale: The Edge Network Begins

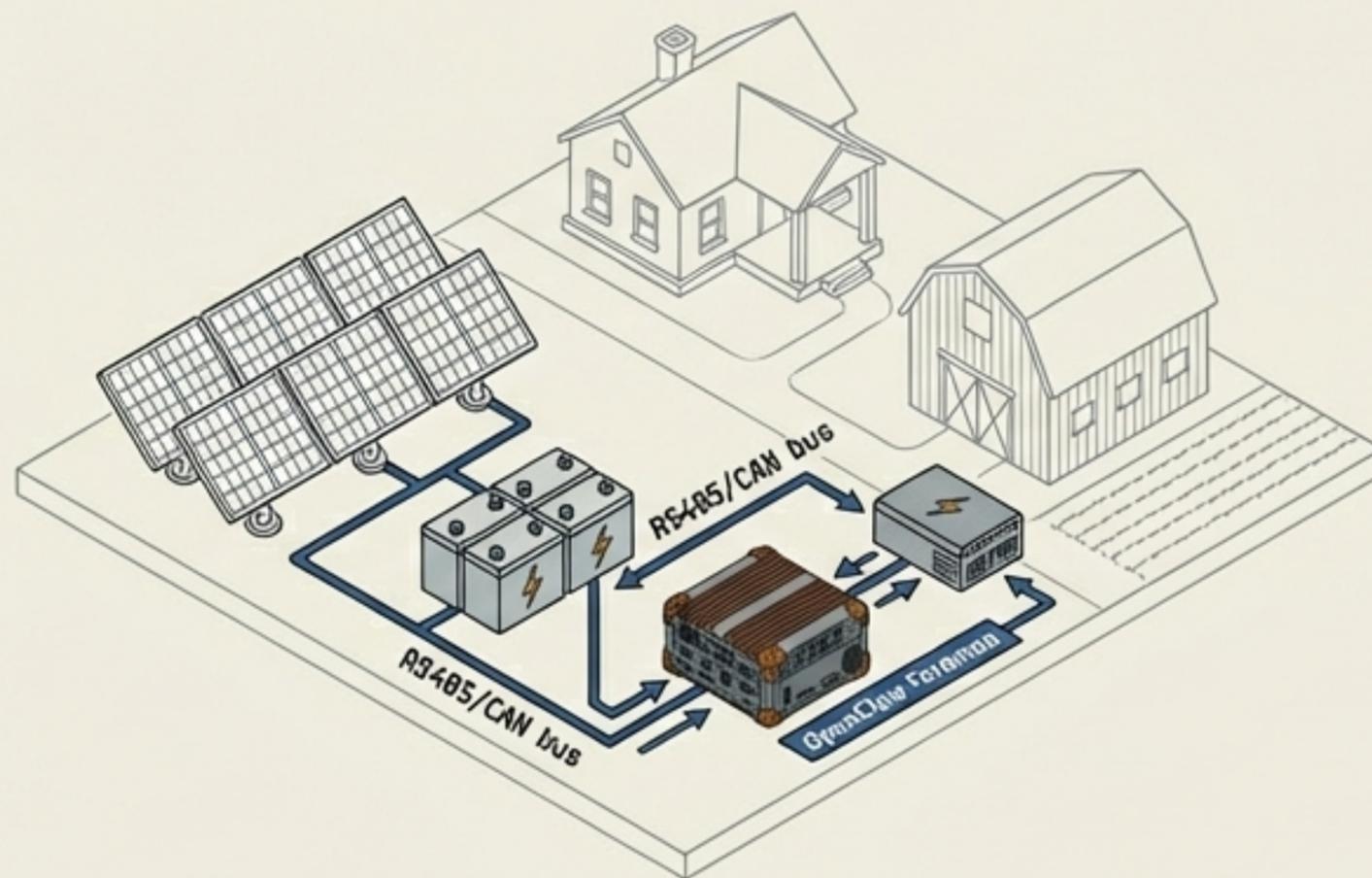
Sovereign Automation starts at the edge, freeing local businesses from SaaS extortion and homeowners from fragile grids.

Main Street Commerce Bundle - \$449



- **The Scribe:** Local Whisper AI for voice-to-text HIPAA compliance.
- **The Archivist:** Local OCR for secure invoicing.
- Zero Monthly SaaS fees. Total data sovereignty.

Resilient Microgrid Bundle - \$999



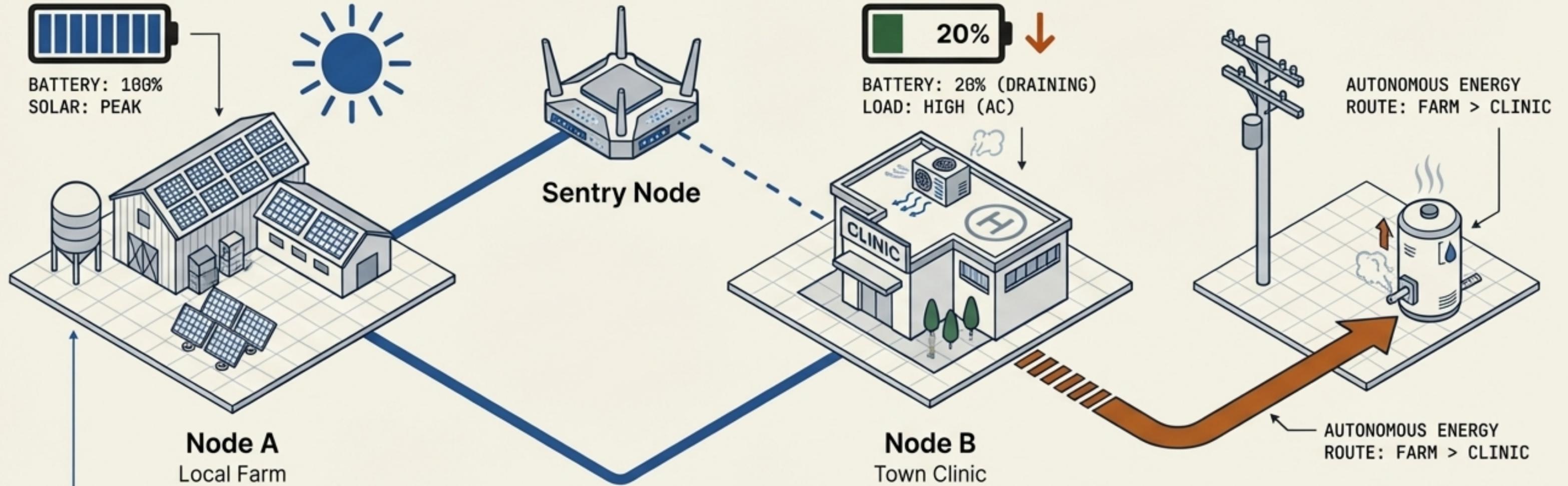
- **OpenClaw Foreman** orchestrates direct-DC power.
- Localized P2P energy negotiation.
- Hardware-agnostic translation for Victron, SMA, Growatt.

The P2P Energy Negotiator Flow

1:00 PM: Solar Saturation

The Mesh Decision

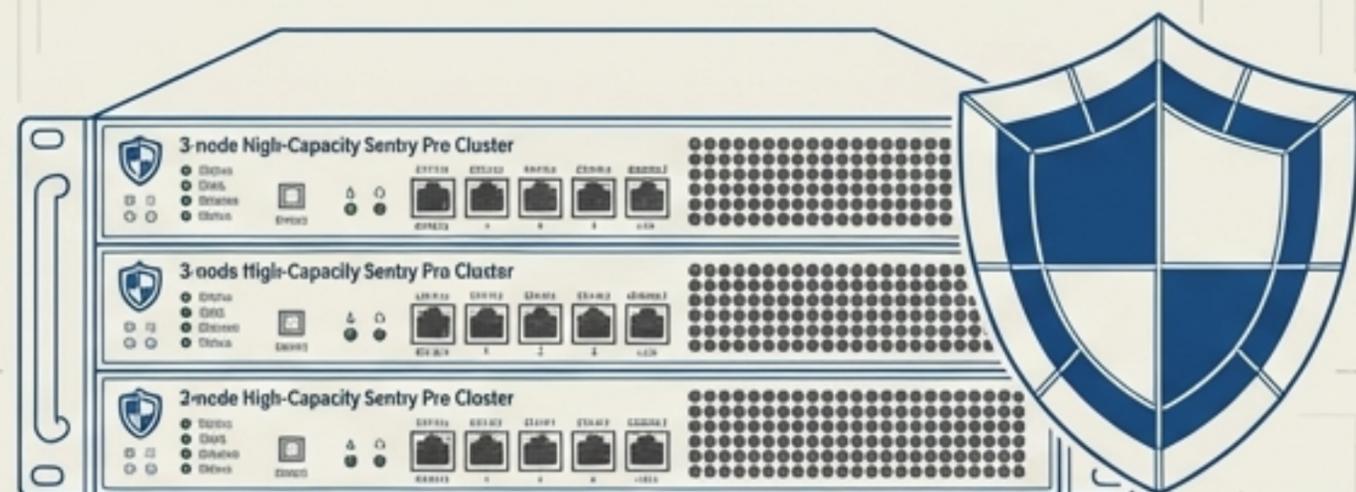
The Dump Load



Thermal Storage via Digital Handshake. The Industrial Foreman AI detects the clinic draining power and autonomously routes the farm's excess solar output to the clinic's water boiler. Zero wasted energy. Zero reliance on macro-utility transmission lines.

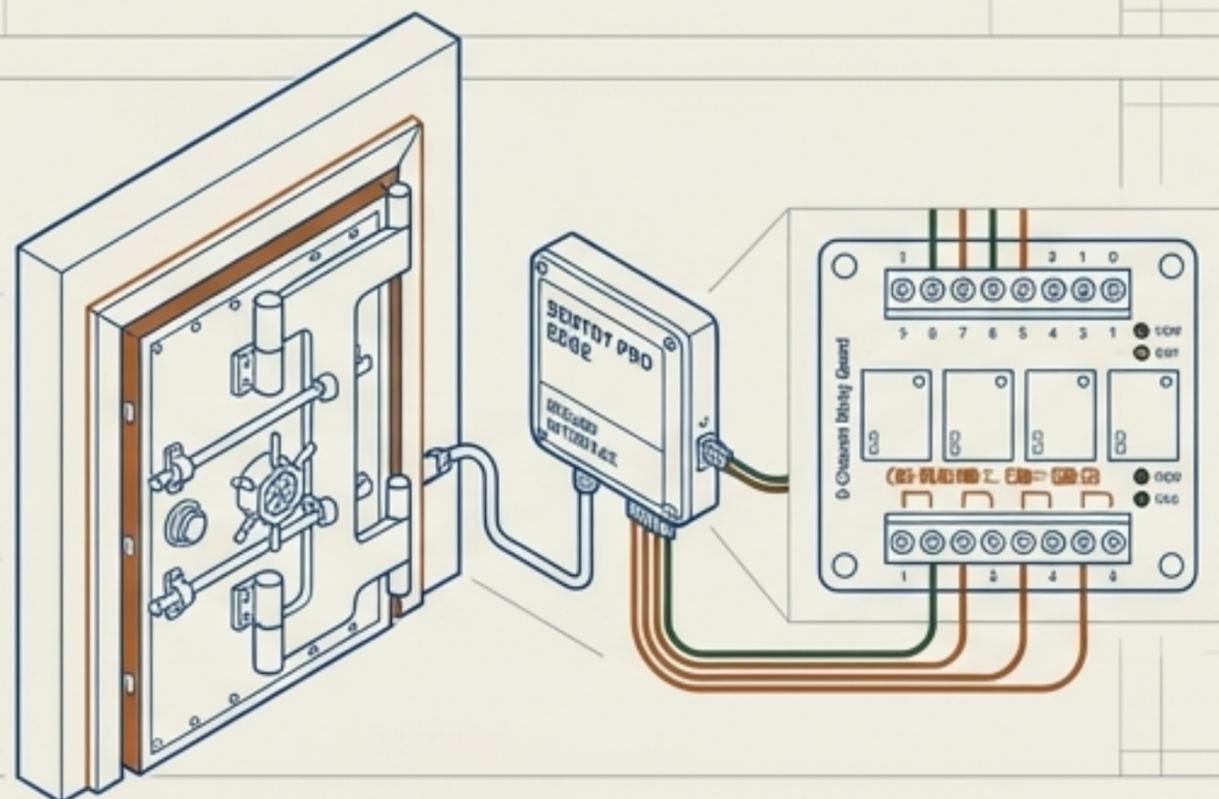
Targeted Infrastructure: Defensive Architecture

True security—whether digital or physical—cannot rely on external API calls.



Digital Nervous System Core – \$4,999

- Role: Mesh Root CA and autonomous IT Supervisor.
- DevOps Sovereign AI ingests network-wide logs.
- Autonomously patches vulnerabilities and null-routes ransomware in real-time.



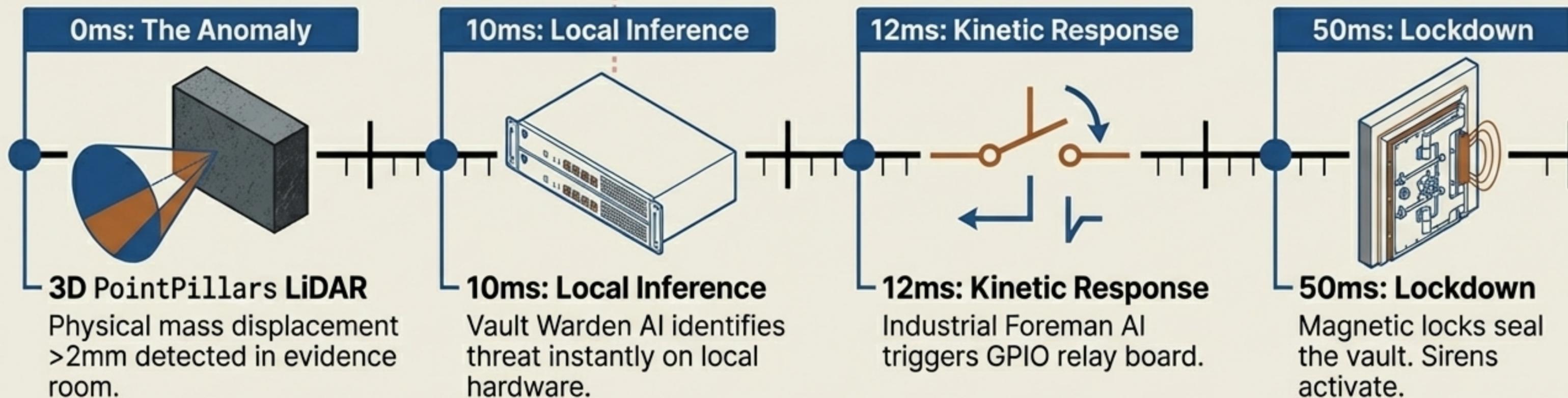
Municipal Citadel Security - \$2,499

- Role: Air-gapped physical defense and volumetric monitoring.
- Vault Warden AI utilizes 3D LiDAR and Multispectral PTZ.
- 100% air-gapped audit trail for evidence rooms and town archives.

Sub-Millisecond Countermeasures



Failed: 300ms latency / internet down.



**When stopping a kinetic threat, the speed of light to an AWS server and back is too slow.
The Municipal Citadel defends critical assets in absolute Island Mode.**

Municipal Scaling Matrix

Village Genesis (\$49k)



Population: 100–1,000



Compute: 1x Core Cluster



Mesh-Points: 12 Nodes



Transit: 3 Autonomous Shuttles



Med/Law: 3 Secure Nodes



Civic: 1 Visitor Kiosk

City Nexus (\$129k)



Population: 1,000–3,000



Compute: Dual-Redundant Clusters



Mesh-Points: 36 Nodes



Transit: 6 Autonomous Shuttles



Med/Law: 6 Secure Nodes

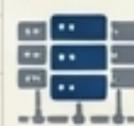


Civic: 3 Visitor Kiosks

Urban Hub (\$389k)



Population: 3,000–10,000



Compute: Tri-Zone HA Clusters



Mesh-Points: 100 Nodes (OSPF Routing)



Transit: 15 Autonomous Vehicles



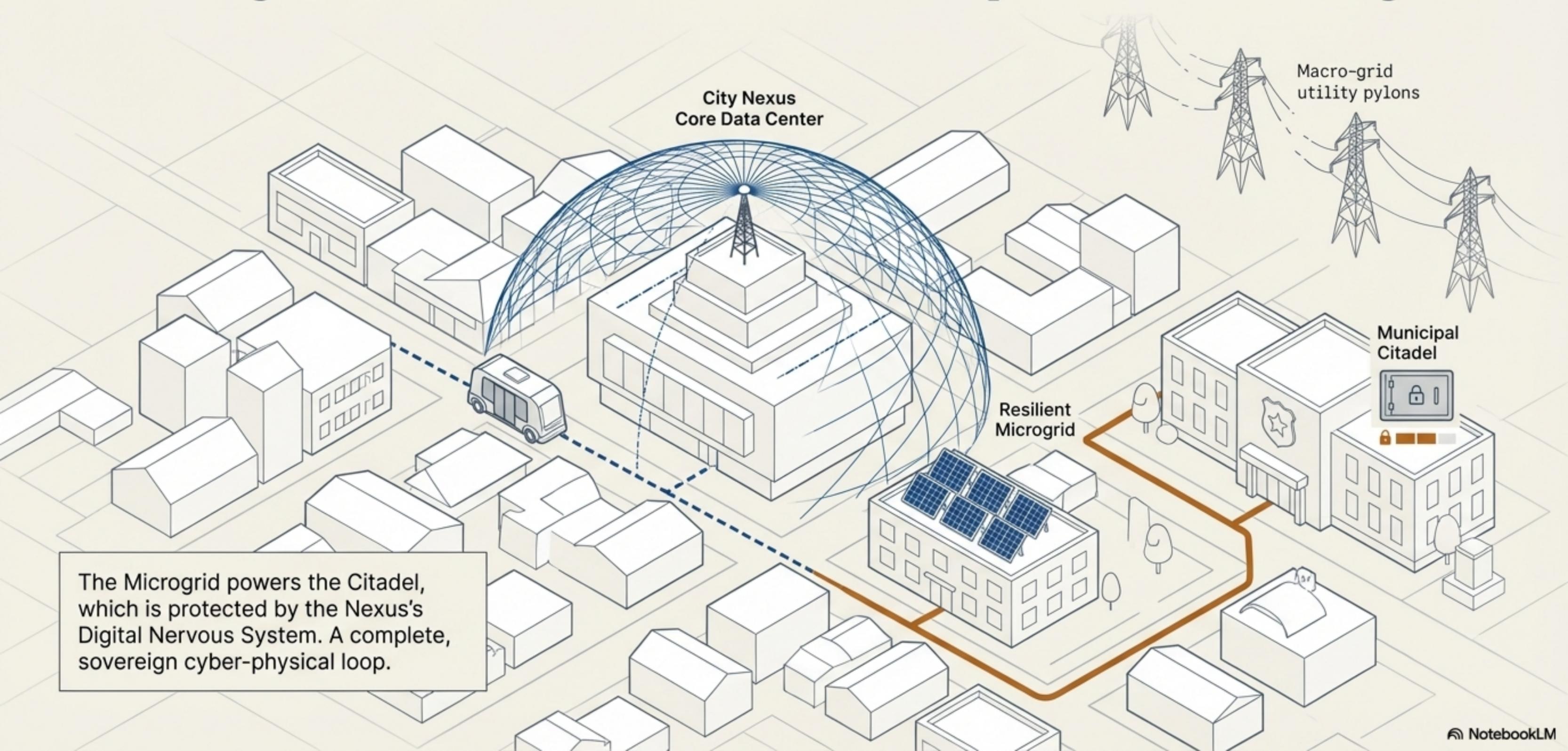
Med/Law: 15 Secure Nodes



Civic: 8 Visitor Kiosks

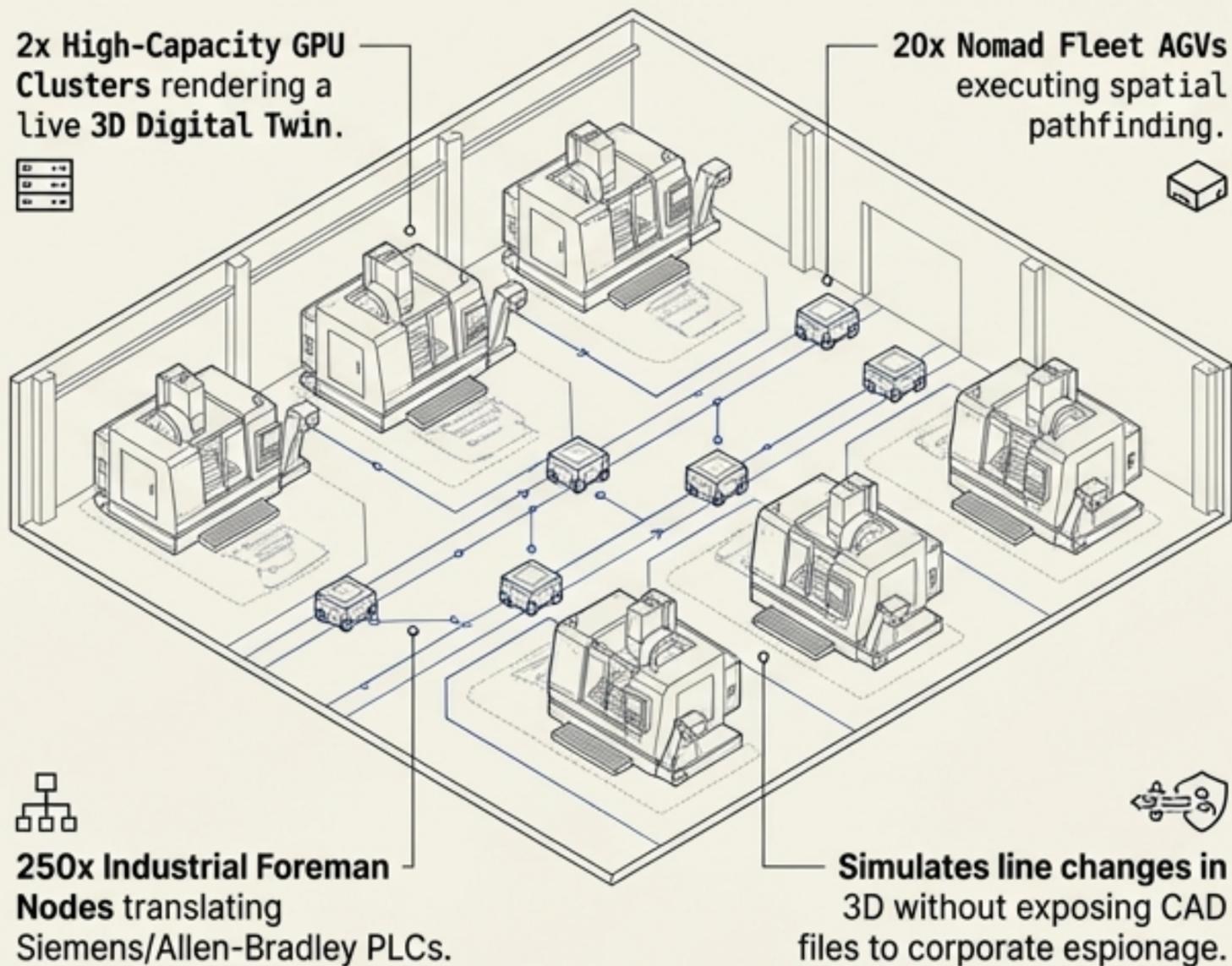
Every tier guarantees HIPAA and Attorney-Client cryptographic isolation and zero monthly SaaS fees.

The Synthesis: Total Municipal Immunity

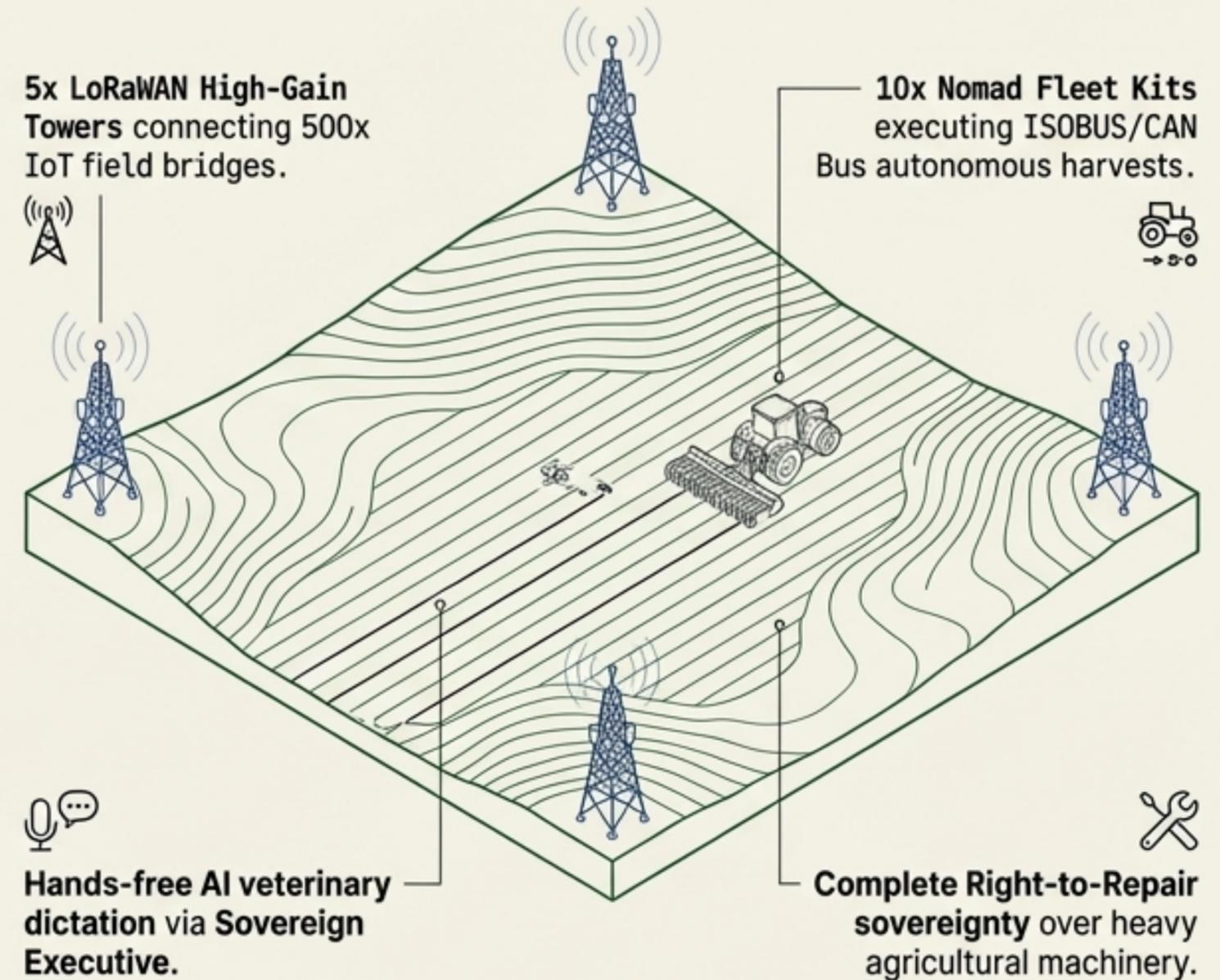


Mega-Industrial: Orchestrating Kinetic Mass

Sovereign Forge Manufacturing (\$249k)



Sovereign Harvest Agro-Industrial (\$85k)



The Sovereign Fortress: Actuarial Certainty

Cryptographic truth for the physical world. Package Value: \$549,999.

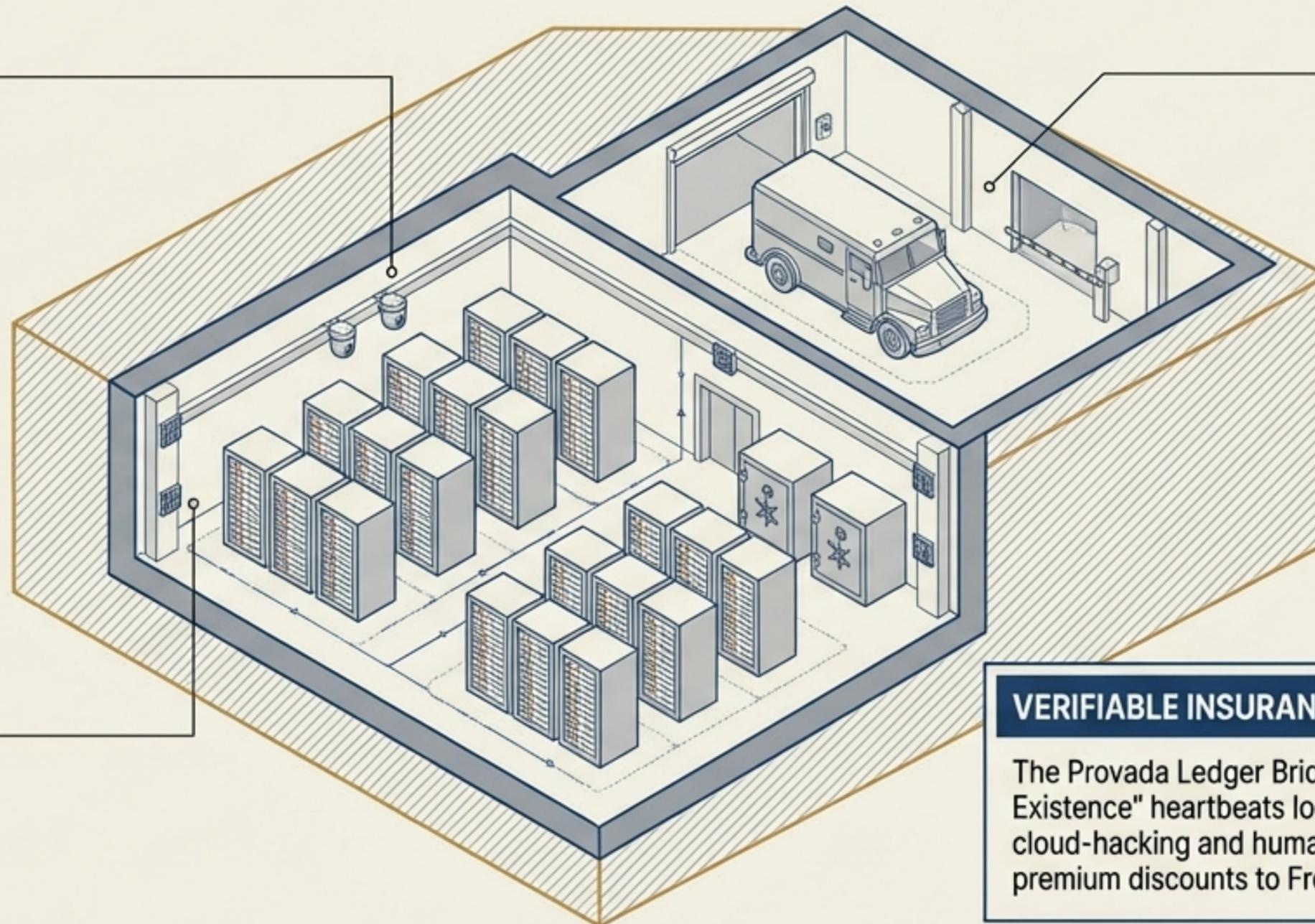
Spectral Provenance

20x Multispectral PTZ cameras scan fine art for microscopic pigment/weave verification.



Volumetric Defense

50x LiDAR arrays track assets and personnel down to the millimeter.



Armored Logistics

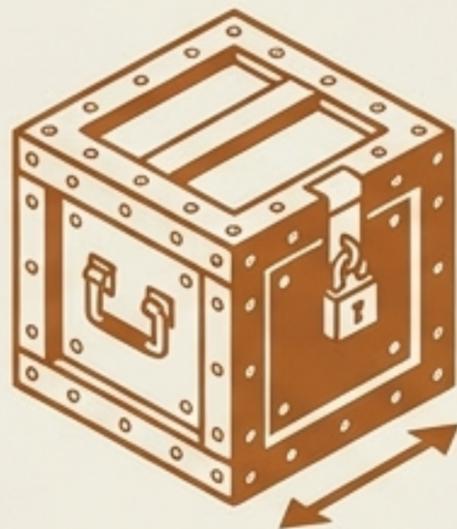
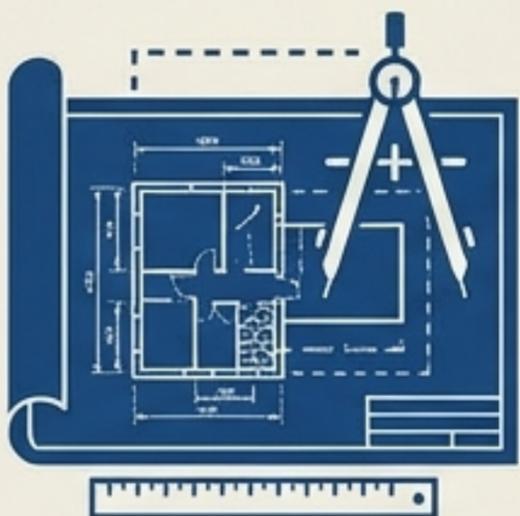
10x Nomad Fleet Kits automatically handshake with the Vault CA to open exterior gates.



VERIFIABLE INSURANCE PREMIUM REDUCTION

The Provada Ledger Bridge publishes immutable "Proof of Existence" heartbeats locally. By mathematically eliminating cloud-hacking and human error, actuaries grant massive premium discounts to Freeport managers and secure logistics.

The Hybrid Fulfillment Workflow



Phase 1 Architecture & Digital Minting

Automated + Human. DeReticular engineers conduct **CAD/RF** topology mapping. The **Root Certificate Authority (CA)** is mathematically minted offline.

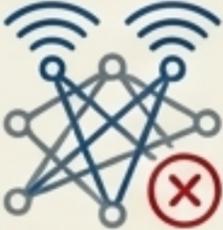
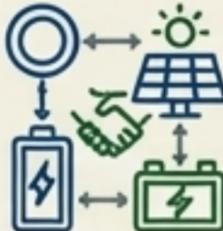
Phase 2 Fleet Provisioning & Freight

Hardware undergoes intense 72-hour thermal burn-in and VRAM stress tests in our secure warehouse bay. Sealed with tamper-evident epoxy and dispatched via dedicated dedicated secure **LTL Freight**.

Phase 3 Local Ignition & Handshake

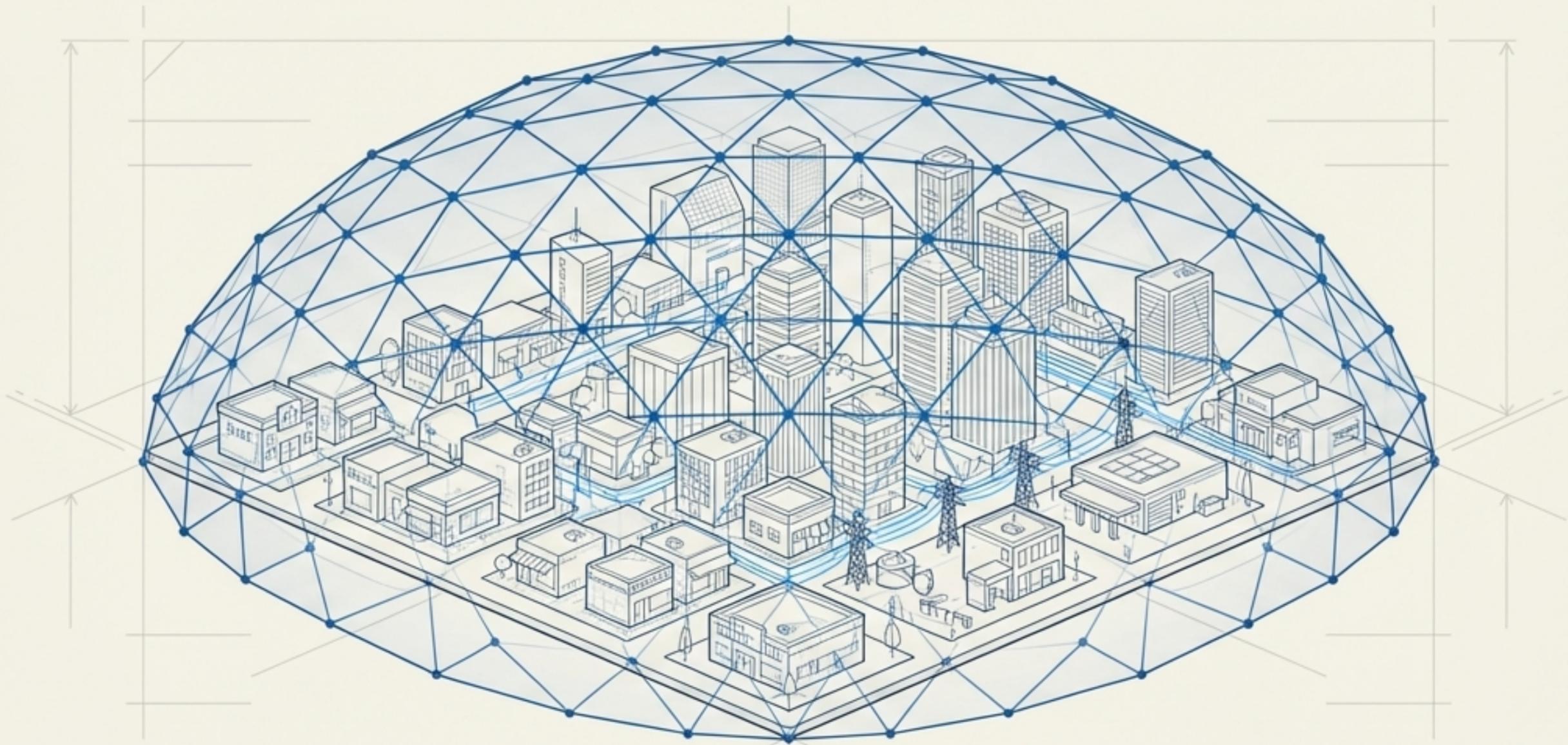
Core clusters racked. Edge nodes are plugged in, instantly auto-discovering the central mesh and securing their respective **VLANs**. Total system goes live.

Systemic Risk Mitigation Matrix

The Threat Vector	The Autonomous Countermeasure
	
<p>Mesh Interference / Broadcast Storms in 100+ node urban grids.</p>	<p>Dynamic OSPF Routing. Deep Admin automatically segments clusters; downshifts to 900MHz LoRaWAN for critical data if Wi-Fi degrades.</p>
	
<p>Sub-Net Pivot Attack. A hacker compromises a public tourist kiosk.</p>	<p>Hardware Roots of Trust. Medical and Legal nodes are mathematically isolated and cryptographically drop any unsigned packets. The Kiosk remains securely walled off.</p>
	
<p>Physical Node Theft. A criminal physically steals a mesh router or kiosk to extract data.</p>	<p>Cryptographic Suicide. Vault Warden detects chassis breach or extended disconnection. Instantly wipes RAM, permanently encrypts NVMe, and purges local keys.</p>
	
<p>Multi-Node Power Failure. Regional macro-grid completely collapses.</p>	<p>Battery/Solar Native. Nodes run natively on low-voltage DC, automatically handshaking with local microgrids to pause non-critical loads and sustain the intranet canopy.</p>

The future belongs to the anti-fragile.

DeReticular Ecosystems scale from a single Main Street clinic to a massive Urban Hub.
Zero Cloud. Zero SaaS. Absolute Sovereign Automation.



END OF DOSSIER // MESH CANOPY SECURED // SYSTEM: ACTIVE