

Sovereign Automation: Animating the Edge

Deploying OpenClaw Agents on DeReticular RIOS Architecture.

Stop renting your productivity and compromising your IP

The Fragile Cloud



- Rented infrastructure

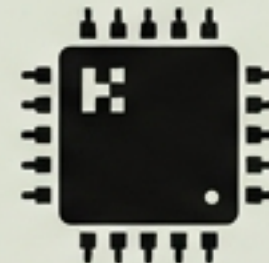


- SaaS data surveillance



- Mandatory internet dependency

Sovereign Automation



- Owned physical hardware
IBM Plex Mono



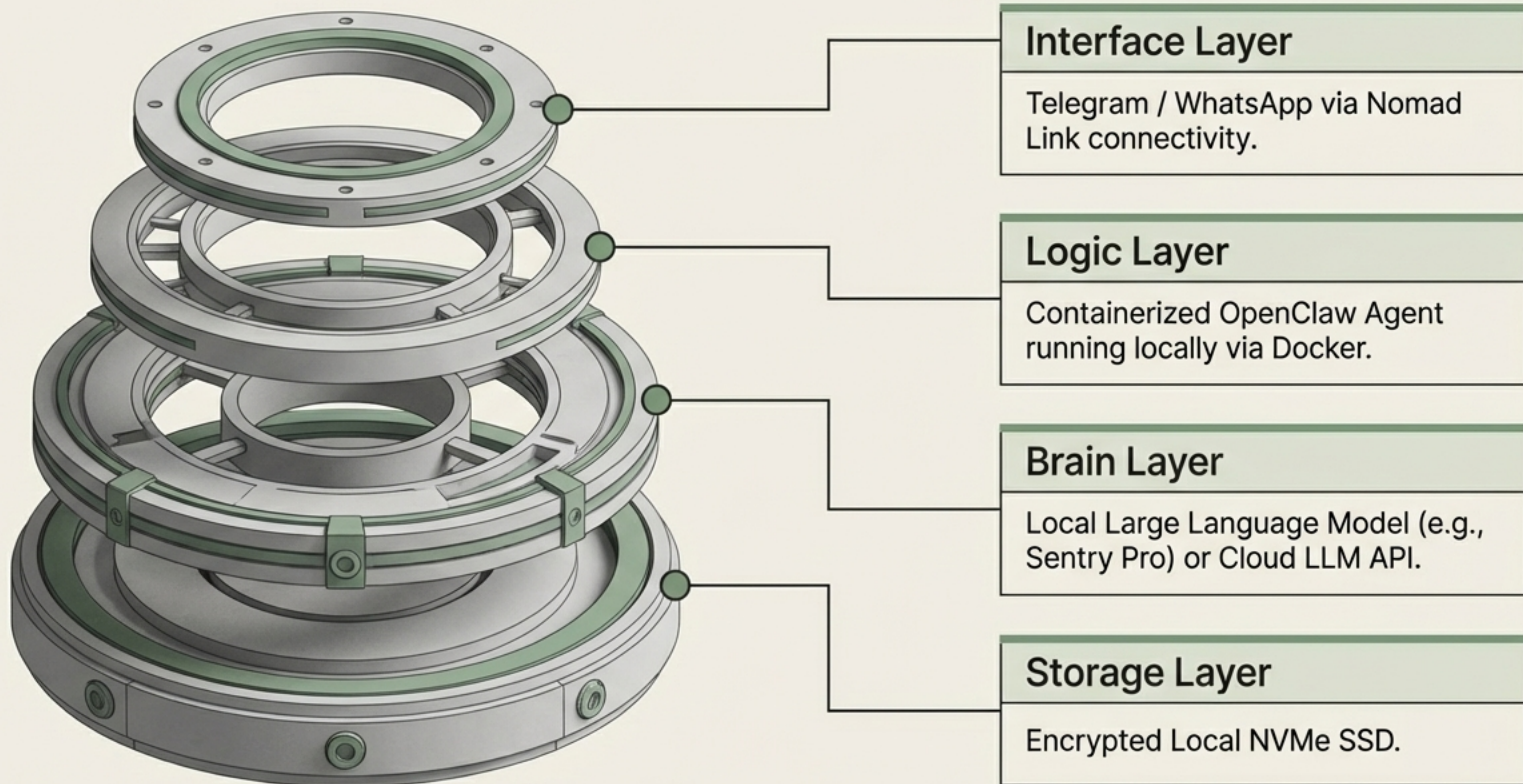
- Island Mode architecture



- Local execution & processing

Air-Gapped AI: Business logic, file processing, and system monitoring function locally even if the global internet falters.

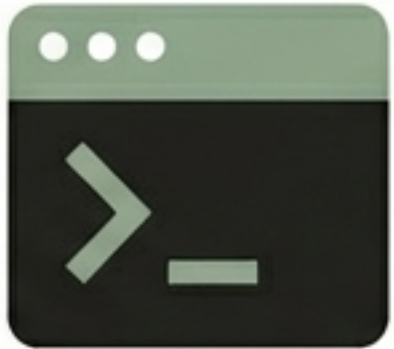
The RIOS Compute Layer Stack



Transforming raw hardware into purpose-built business agents



The Executive
White-Collar Office / Scheduling



The DevOps Sovereign
Code Review / Deep Admin

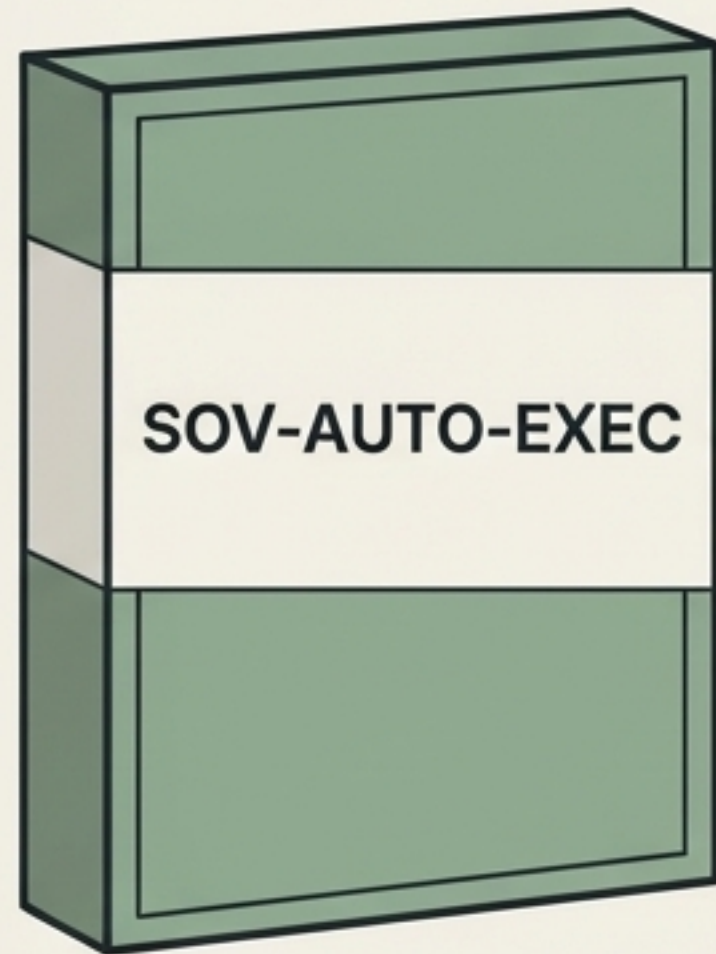


The Industrial Foreman
Grid Balancing / Logistics



The Vault Warden
Active Luxury Security

Your personal assistant, entirely air-gapped



\$199.00 One-Time License

Hardware Pairing: Sovereign Sentry (Standard)



Processor	Intel N100 media engine handles heavy local OCR and batch-renaming.
Memory	16GB RAM holds large PDFs in memory.
Storage	1TB NVMe acts as the local archive.
Stack	Dockerized OpenClaw, local PostgreSQL, Nextcloud.

Mobile CRM processing and automated scheduling

Input

Voice dictate from Kurb Kar via LTE.

Met with Client X.
Quote for 50 Sentinels.
Remind me Tuesday.

Processing

Nomad Link receives data. Pi 5 (8GB) Telemetry Core transcribes audio locally.

Model: Whisper Small

Action

OpenClaw adds entry to CRM and syncs schedule.

Local Postgres DB +
Calendar API

Output

Agent sends WhatsApp confirmation.

Logged. Quote reminder set for Tuesday 09:00.

Your code is your castle

SOV-AUTO-DEV

\$499.00 One-Time License



Sovereign Sentry (Pro)

Strict Compute Requirement:

32GB RAM required for LLM memory clearance
Intel Core i3-N305 (8-Core) compiler

Engine:

Runs Llama-3-8B Quantized entirely offline
via Ollama.

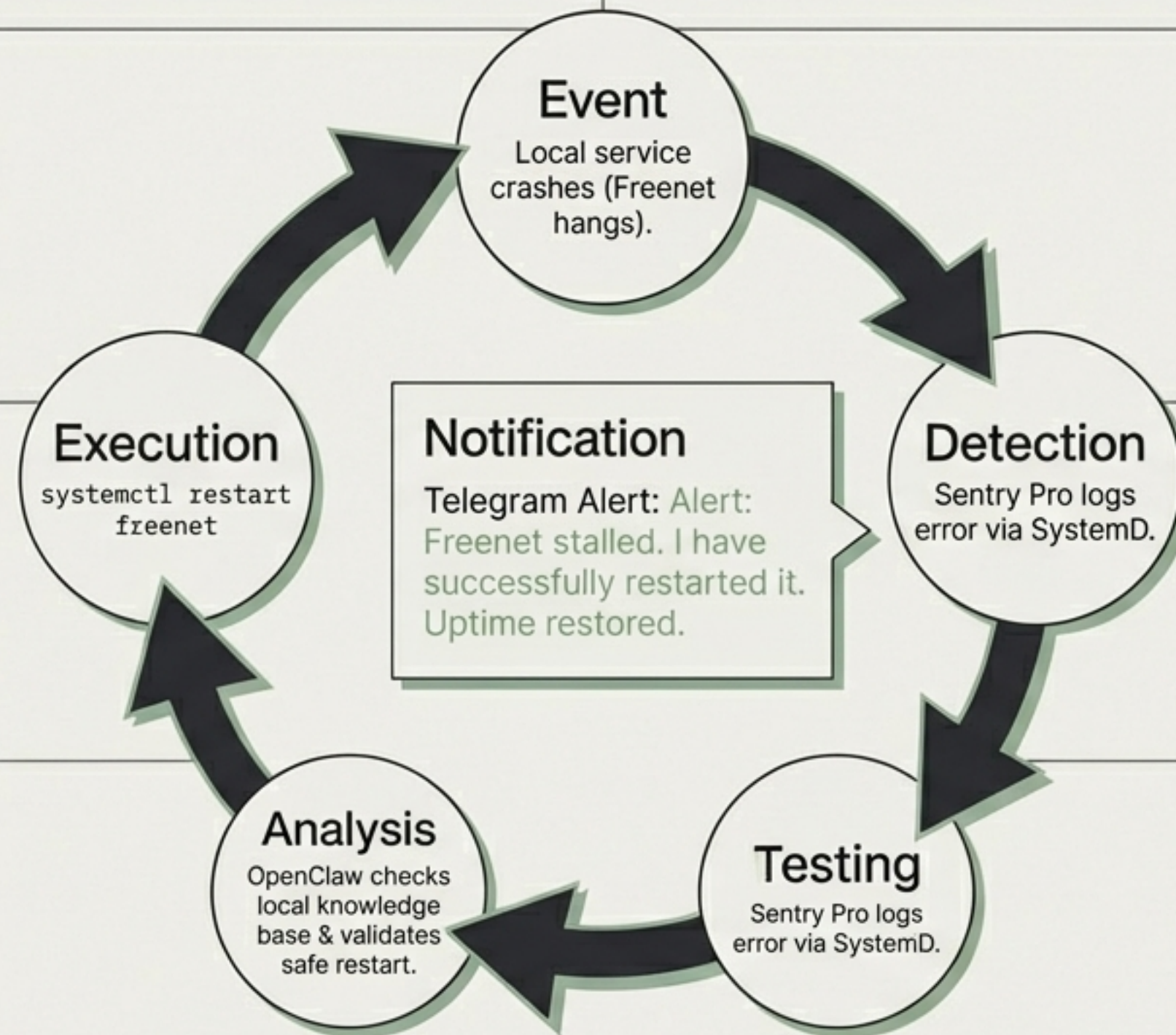
Capabilities:

Air-gapped code reviews against local
Gitea/GitLab instances.

Zero exfiltration guarantee.

Kali Linux VM watchdog for active network
monitoring.

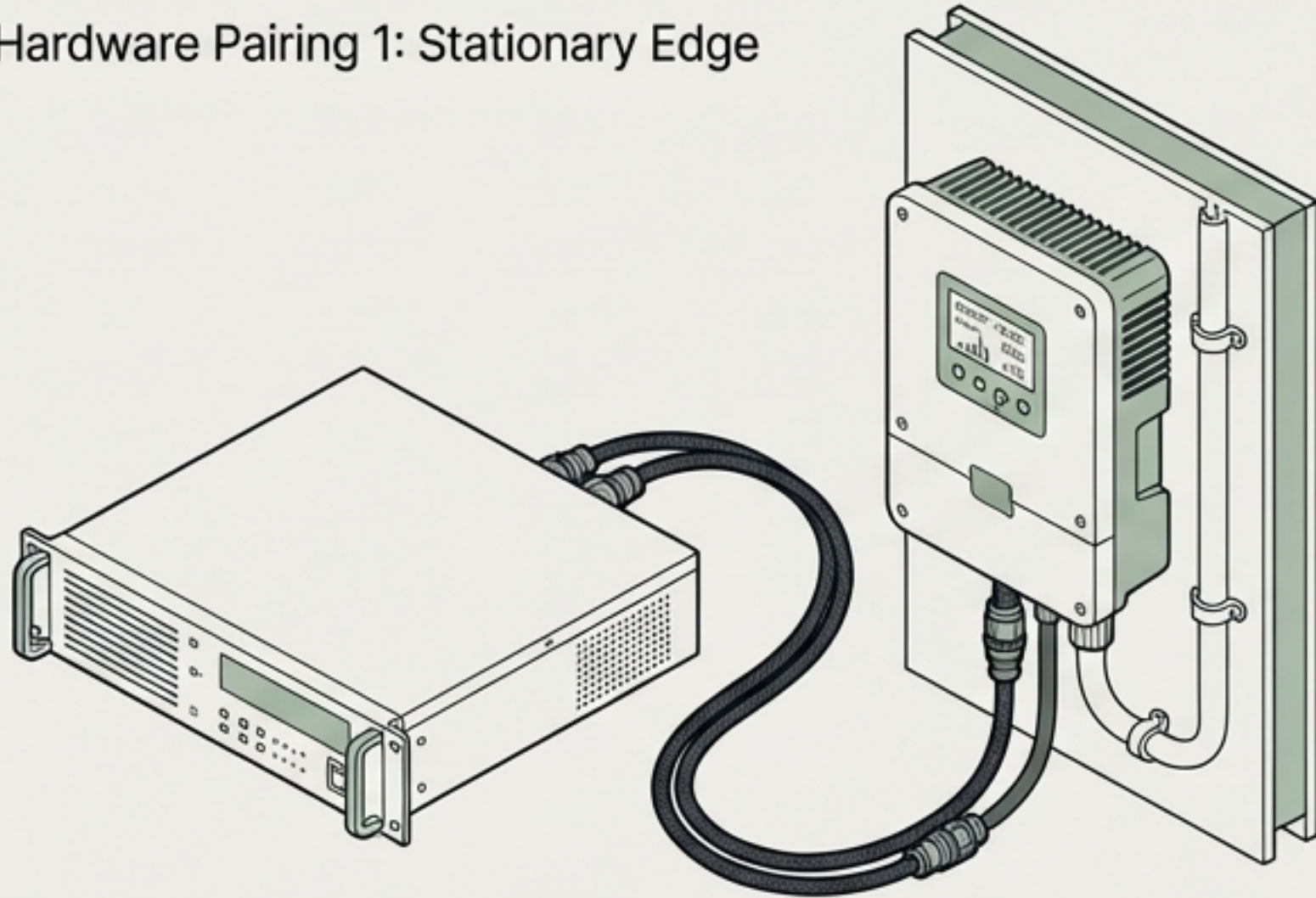
Zero-cloud recovery and localized systemd monitoring



Automating physical assets across grid and supply chain

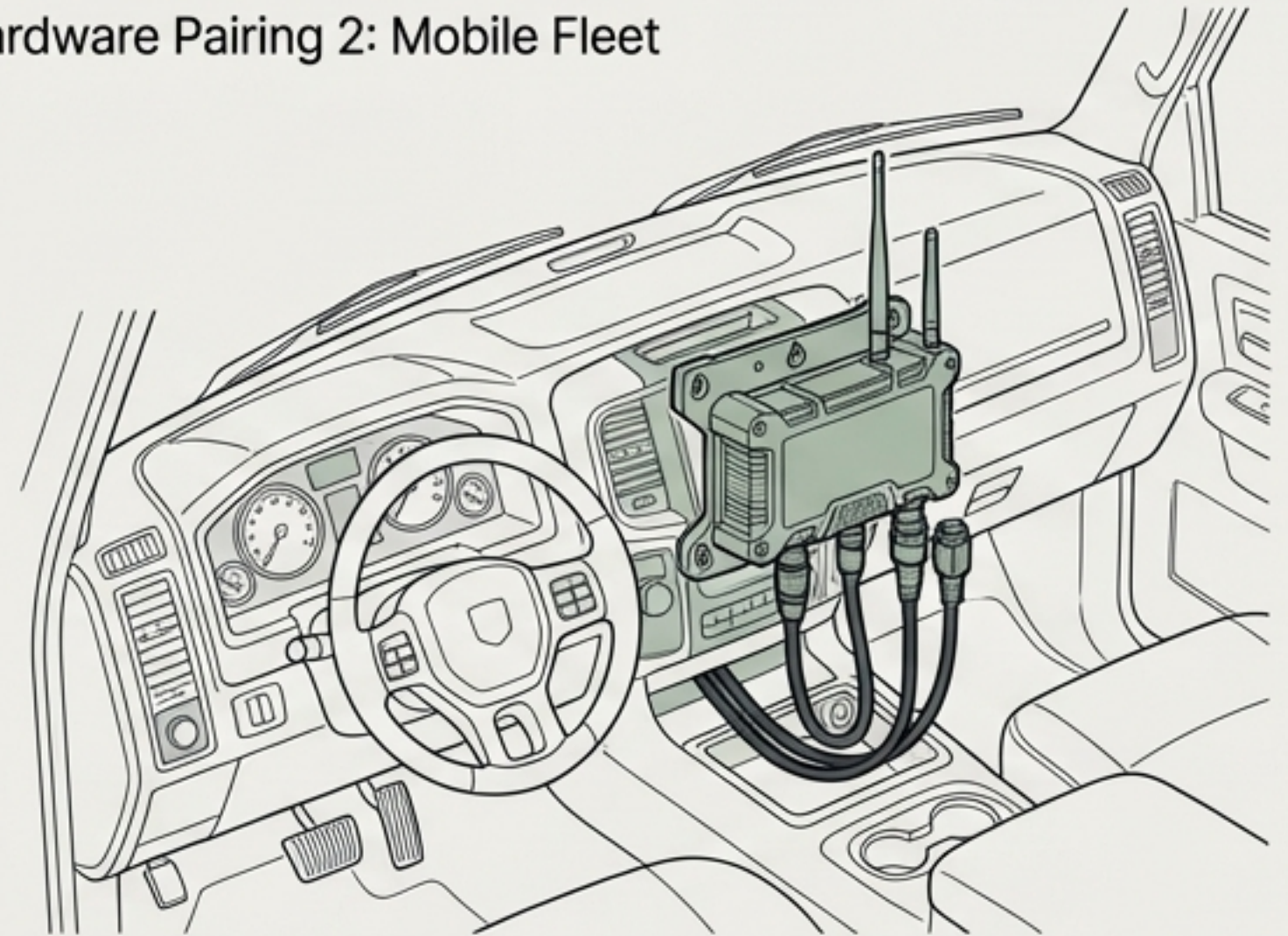
SOV-AUTO-GRID
\$299.00 (Includes USB-to-RS485 adapter)

Hardware Pairing 1: Stationary Edge



Integrates with solar, battery storage, and utility meters for optimized local energy management. Inter

Hardware Pairing 2: Mobile Fleet



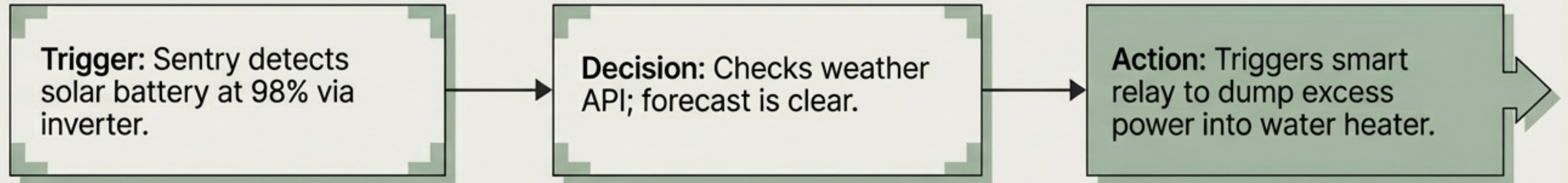
Monitors vehicle telematics, cargo conditions, and route efficiency in real-time via secure cellular. Inter

Technical Interface Foundation

Bridging digital logic with physical equipment via Python pyserial library for Modbus/CAN bus. Inter
Logic orchestration powered by local Node-RED flows integrated directly with OpenClaw. IBM Plex Mono

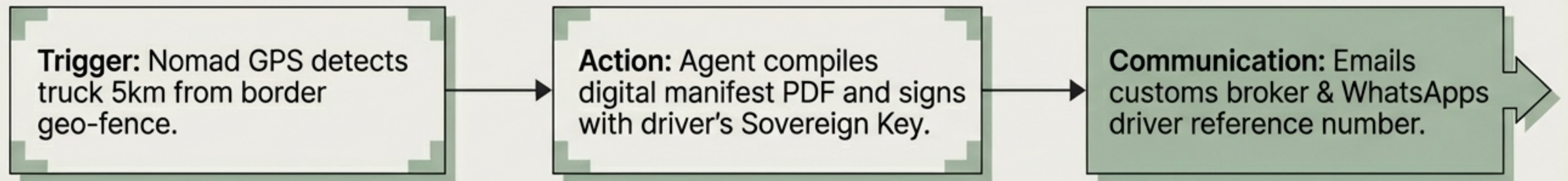
Real-time physical resource allocation

Track 1: The Stationary Grid Balancer



Optimized for local energy management. Inter

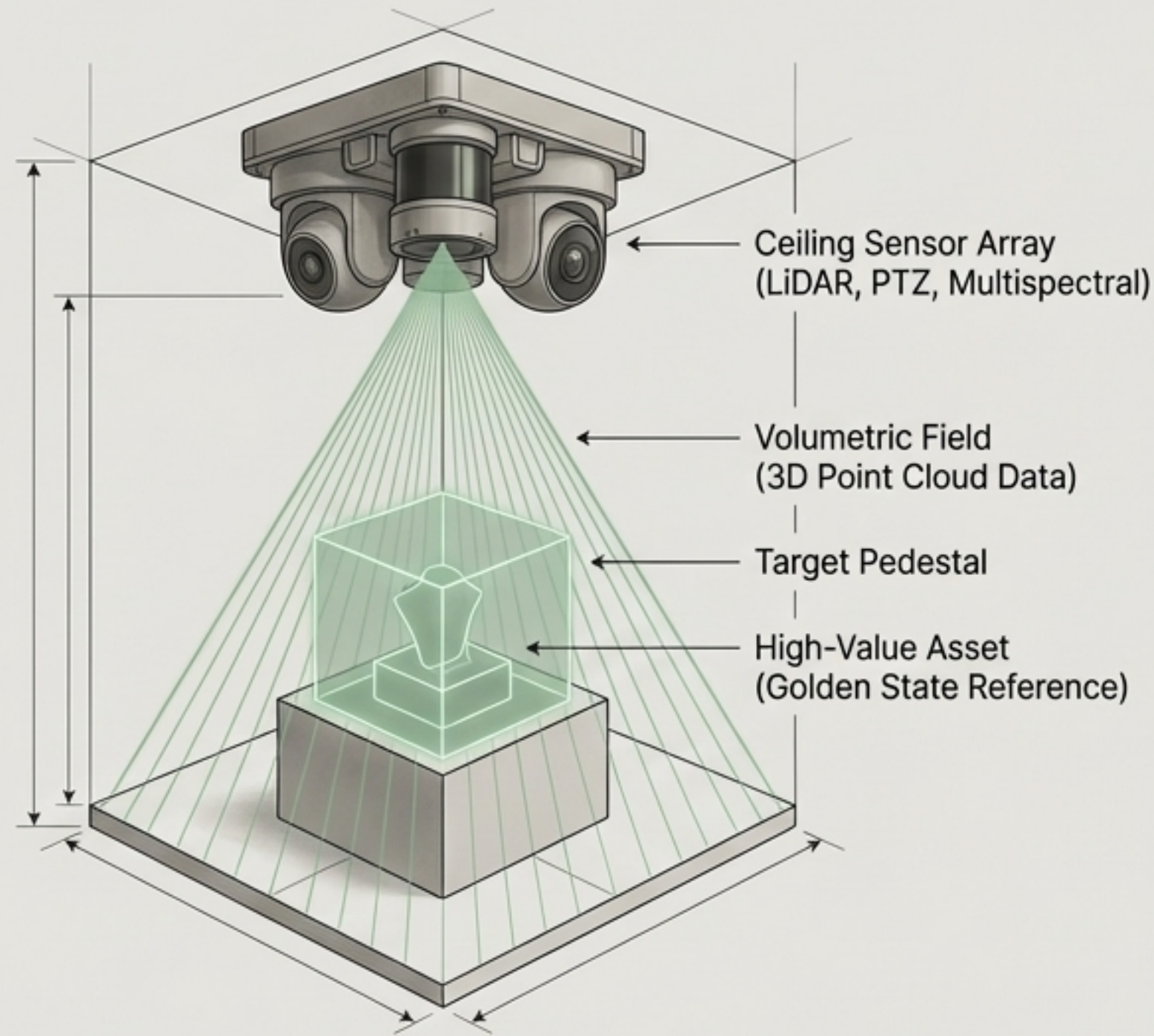
Track 2: The Mobile Supply Chain Diplomat



Monitors vehicle telematics & cargo conditions. Inter

Active volumetric monitoring for high-value assets

SOV-AUTO-VAULT
\$99.00/Month SaaS Subscription



Hardware Pairing: Provada Sentinel Kit (Sentry Pro + Sensors)	
Vision	Custom YOLOv8 Model for continuous spectral analysis.
Sensors	Ingests 3D Point Cloud data from LiDAR 10 times per second, alongside PTZ and Multispectral cameras.
Logic	Compares current physical reality against a mathematically saved Golden State.

Optimized for secure sovereign monitoring and real-time anomaly detection.

Automated zone defense escalation

Trigger & Analysis:

LiDAR detects a 5mm volumetric anomaly. OpenClaw verifies no cleaning crew is scheduled.

Level 1 Escalation

Instantly cuts power to electronic mag-locks, completely sealing the room.

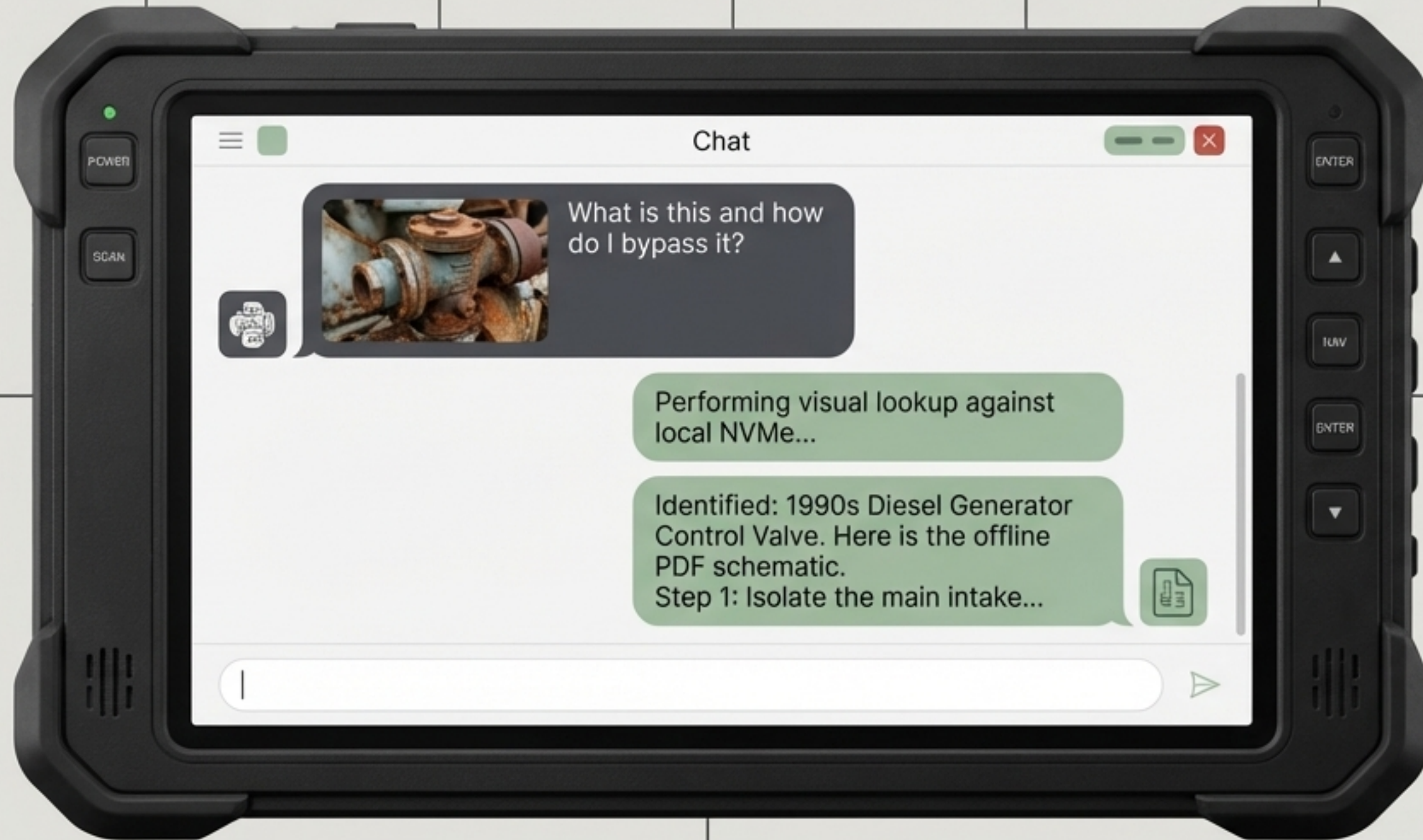
Level 2 Escalation

Captures a high-fidelity 4K snapshot via the Multispectral Camera.

Level 3 Escalation

Blasts a high-priority, encrypted Signal message to the owner with the photo:
Unauthorized movement detected. Vault Sealed. Awaiting voice auth.

Remote field maintenance via local vector databases



WORKFLOW

1. **Input:** Technician photographs part and asks query.
2. **Processing:** OpenClaw queries the onboard local repair library.
3. **Output:** Agent provides specific offline schematics.
4. **Log:** Automatically logs the repair attempt into the Locutus Ledger.

Deploying OpenClaw on RIOS architecture

1. Purchase

Select Sentry (Standard or Pro) hardware based on compute needs.

2. Install

SSH into the RIOS Kernel using the Deep Admin Rescue Drive.

3. Deploy

```
docker pull
dereticular/openclaw-
rios:latest

docker run -d -v
/mnt/nvme/openclaw:/data
--restart always
openclaw-rios
```

4. Authorize

Use the physical Sovereign Key to generate API tokens, ensuring strict physical control.

Animating infrastructure

Deploying OpenClaw on RIOS does not just automate tasks; it transforms passive nodes into active teammates. A farmer can text their barn. A gallery owner can WhatsApp their vault.

This is Sovereign Intelligence.

Visit the DeReticular Store to authorize your agent.