

# THE FIELD MEDIC

Autonomous Remote Maintenance  
& Right-to-Repair Suite

SKU: SOV-AUTO-MEDIC

DEPLOYMENT PHASE: Field Active

VERSION: 1.0

OWNER: DeReticular Autonomous Infrastructure

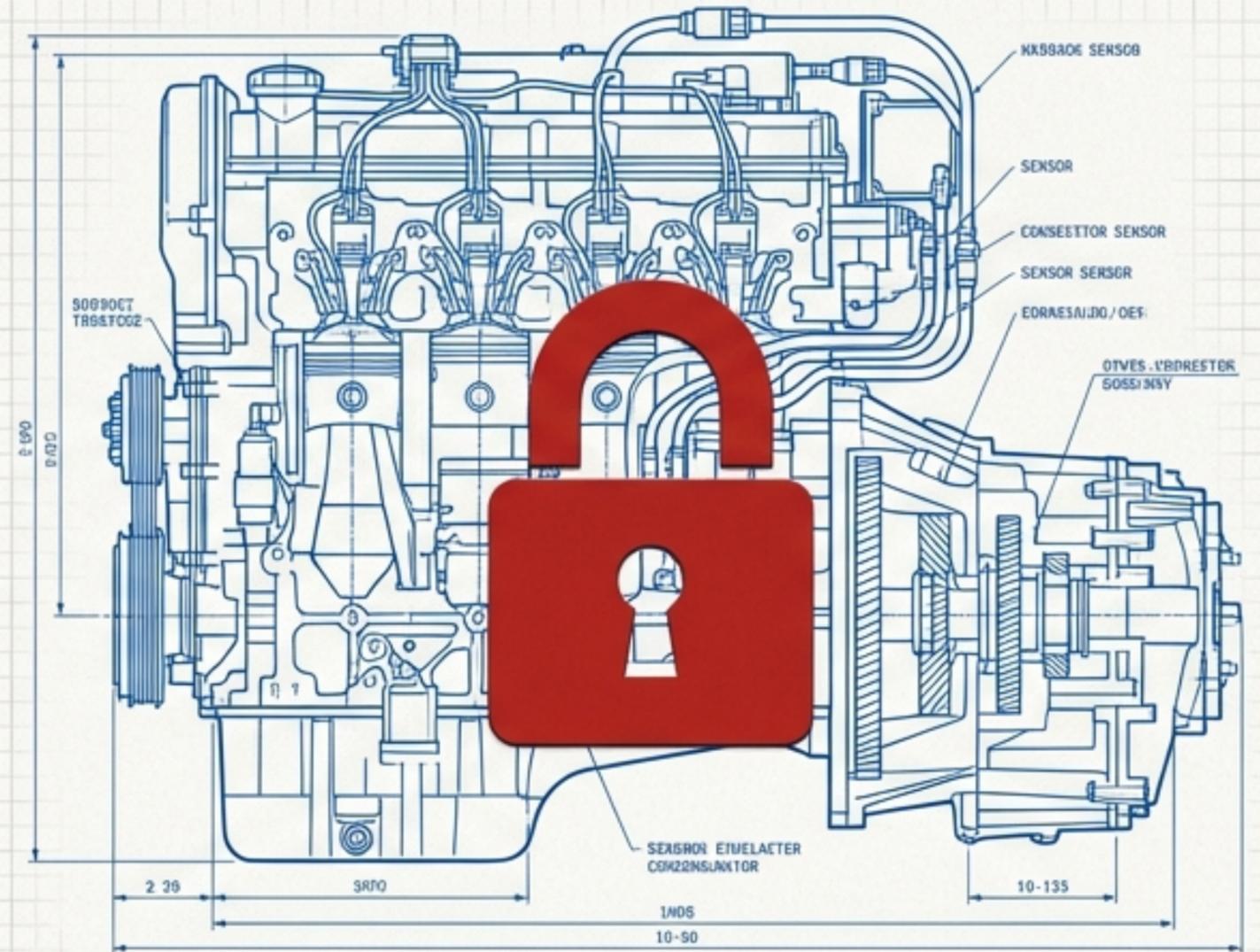


# Industrial Equipment Fails Where the Cloud Cannot Reach



## THE PHYSICS

When a 1998 Caterpillar drops offline in a cellular dead-zone, technicians cannot wait for a Starlink connection to download a 500-page PDF manual.



## THE POLICY

Modern OEMs actively obscure repair knowledge behind paywalls and Digital Rights Management (DRM) to enforce dealer-only repairs and limp-mode lockouts.

# The Ultimate Right-to-Repair Weapon

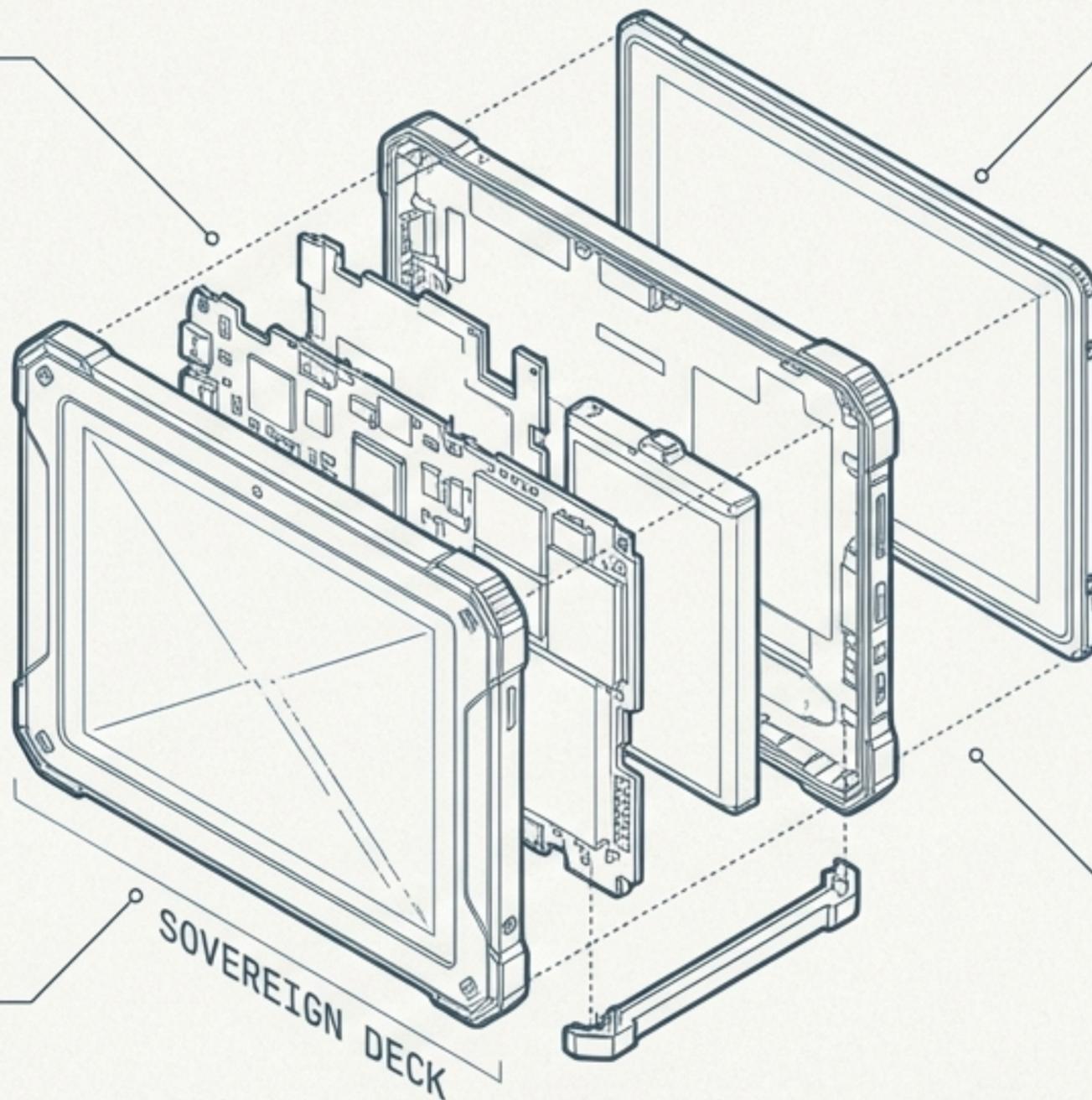
## ROLE

Autonomous, multi-modal OpenClaw agent hosted entirely on local hardware. Fuses a Vision-Language Model with a massive massive NVMe-based Vector Database.

Zero internet required.

## HARDWARE DEPENDENCY

Sovereign Deck  
(Tactical tablet with local LLM compute)



## TARGET MSRP

**\$1,299.00**

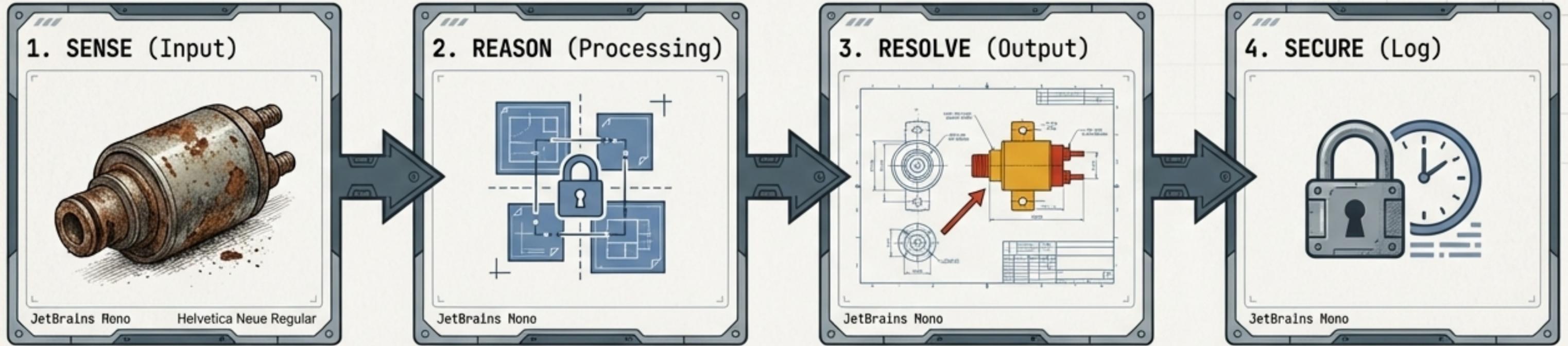
(Software & Base Vector Library)

## OPERATOR AUDIENCE

Sovereign Power Technicians (SPTs),  
Offshore Rig Mechanics,  
Combat Engineers,  
Rural Farmers, Mining  
Camp Operators.



# The Mud and Oil Operational Flow



Tech photographs corroded part.

Voice Prompt: What is this and how do I bypass it?

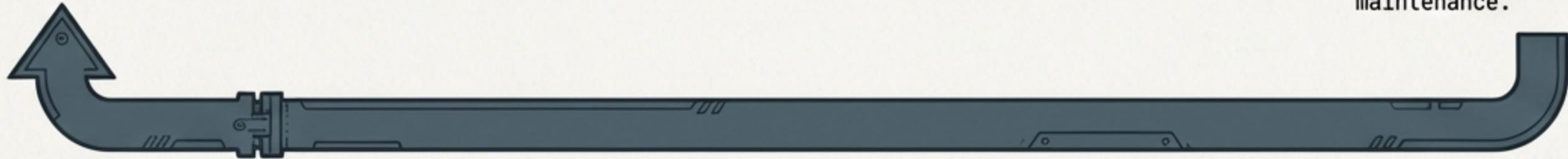
Semantic visual lookup against local Milvus DB.

Extracts bolt patterns and casting marks in milliseconds.

Identifies 12V Fuel Shutoff Solenoid (OEM Part #3931570).

Synthesizes bypass steps with highlighted schematic.

Timestamp, GPS, and AI diagnosis hashed to the Locutus Ledger. Generates verifiable proof of maintenance.



# Multi-Modal Diagnostic Sensory Array



## SIGHT

(Visual Inference)

Uses the macro camera to identify exact parts, recognize bolt patterns, and synthesize step-by-step instructions from legacy schematics.



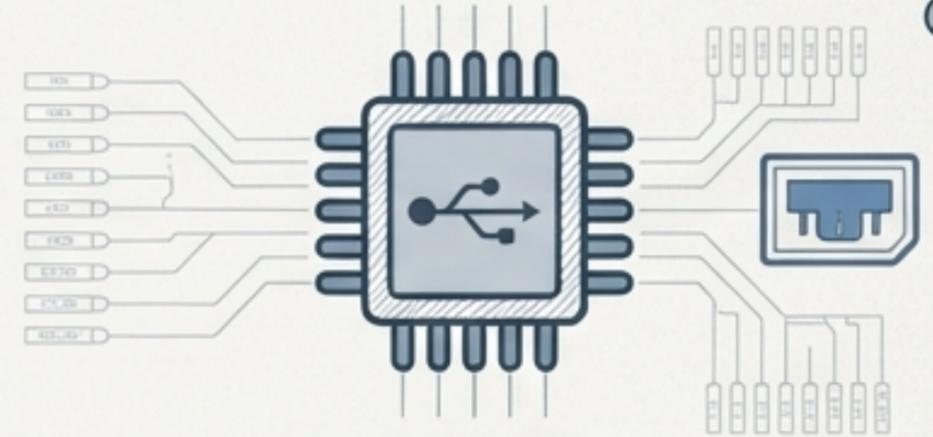
## SOUND

(Acoustic FFT Analysis)

Records 10s of engine audio via noise-canceling mics. Runs Fast Fourier Transform (FFT) analysis.

Output: 85% probability of spun main bearing.

**Do not run.**



## SYSTEM

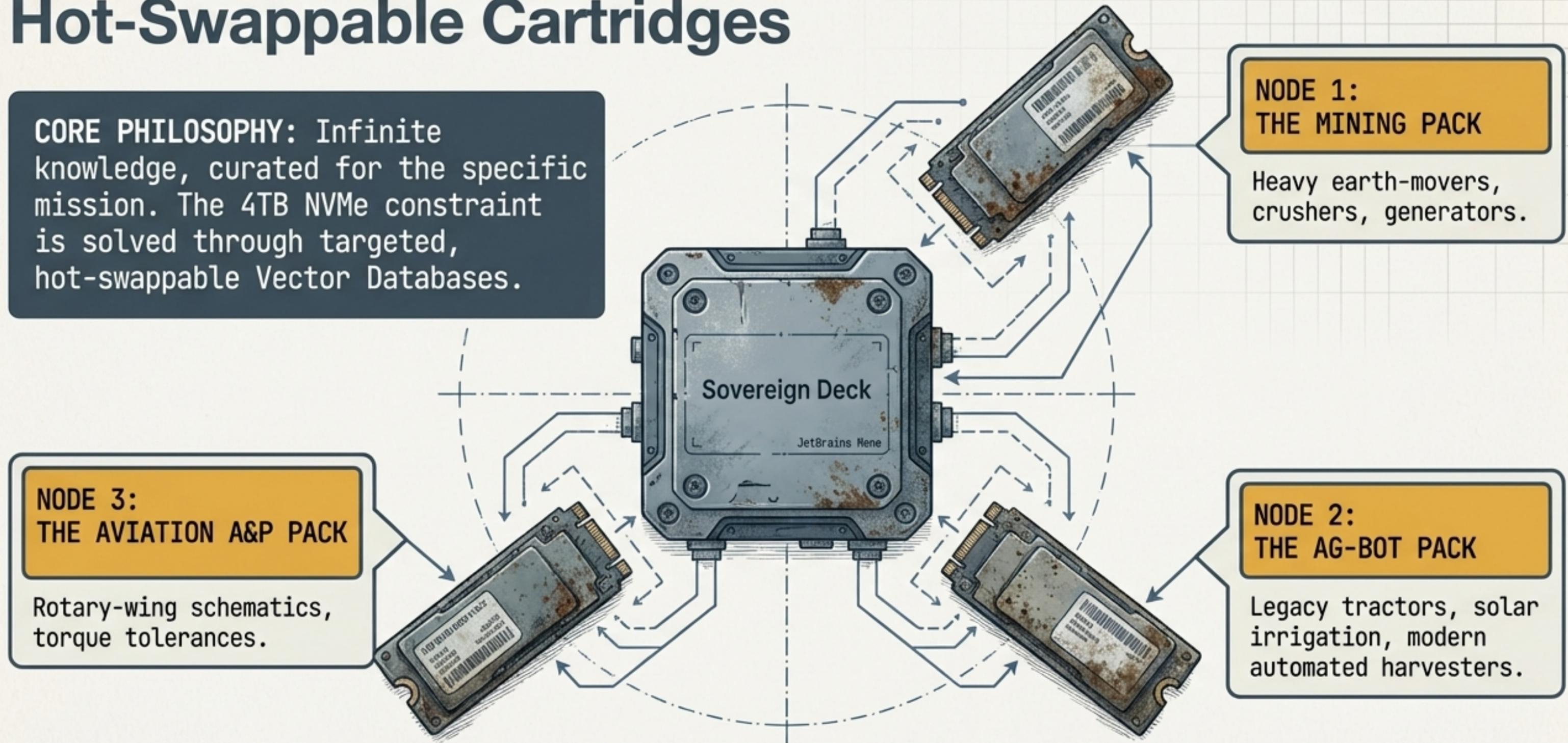
(CAN Bus Override)

Connects via serial adapter to OBD-II / J1939 ports.

Translates proprietary fault codes and executes commands to clear DRM limp-mode lockouts.

# Modular Autonomy via Hot-Swappable Cartridges

**CORE PHILOSOPHY:** Infinite knowledge, curated for the specific mission. The 4TB NVMe constraint is solved through targeted, hot-swappable Vector Databases.



# Autonomous Risk Mitigation at the Edge

## IF/THEN DIAGNOSTIC LOGIC

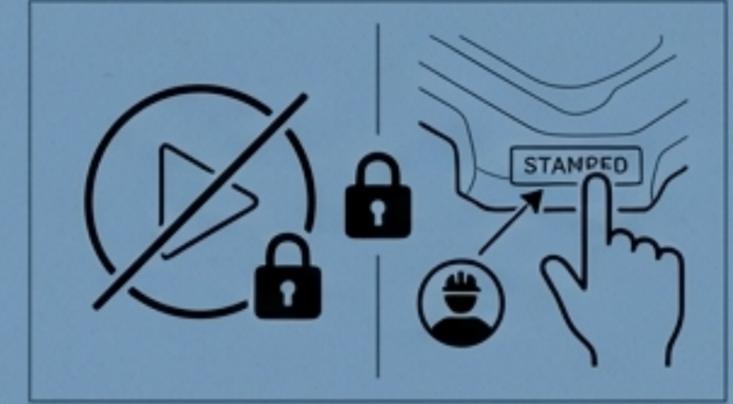
### TRIGGER: Visual Hallucination

VLM confidence score drops below 95%.



### ACTION: Hard Stop

AI refuses bypass instructions and forces manual input of stamped part numbers.



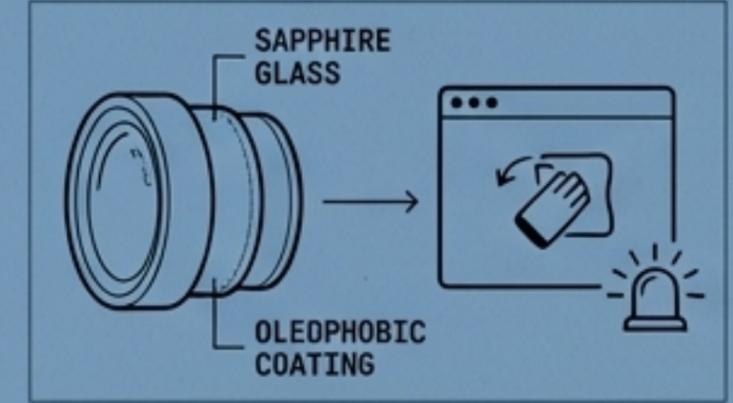
### TRIGGER: Environmental Obscuration

Mud or diesel fuel covers the camera lens.



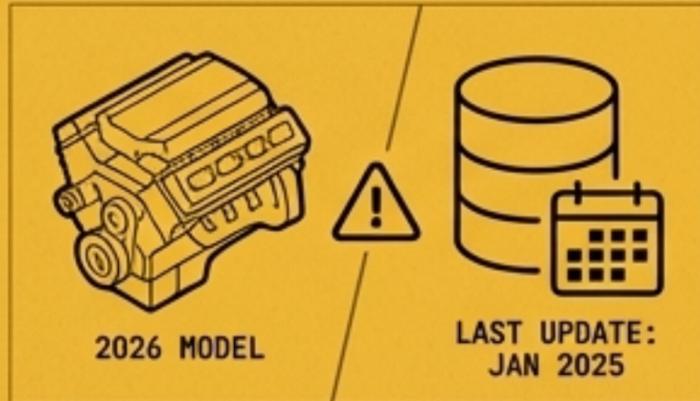
### ACTION: Hardware Protection

Oleophobic sapphire glass + UI override prompting user to wipe lens and engage LED flash.



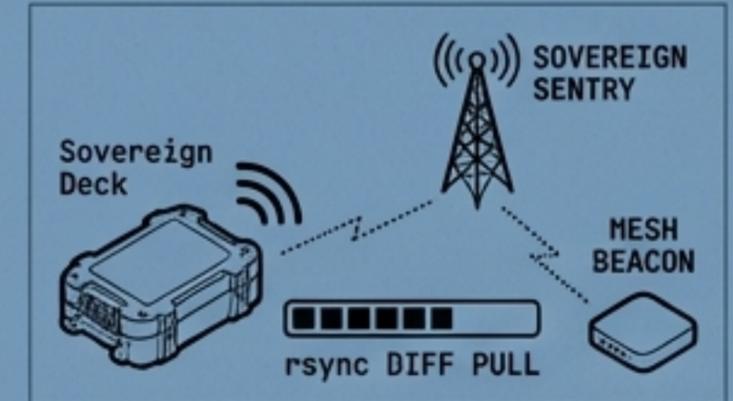
### TRIGGER: Data Desynchronization

Encountering a newly released 2026 engine on an 8-month-old database.



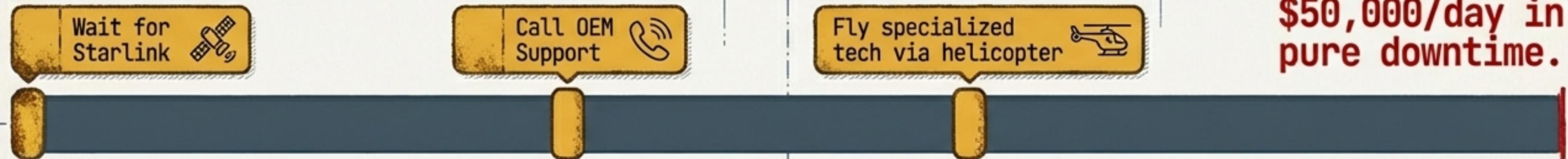
### ACTION: Opportunistic Sync

Differential pull (rsync) whenever the Deck passes a Sovereign Sentry or Mesh Beacon.

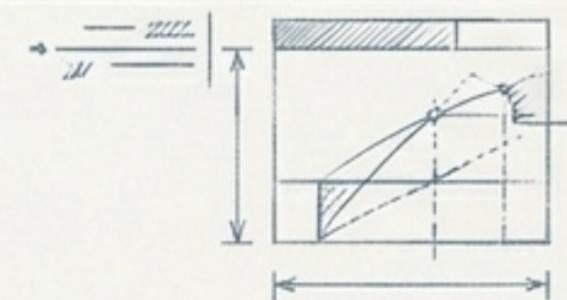
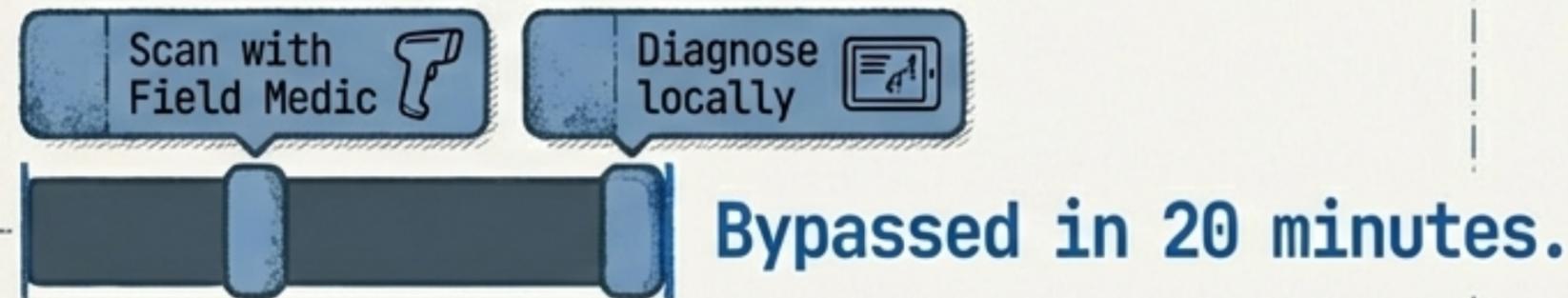


# The Economics of Hardware Sovereignty

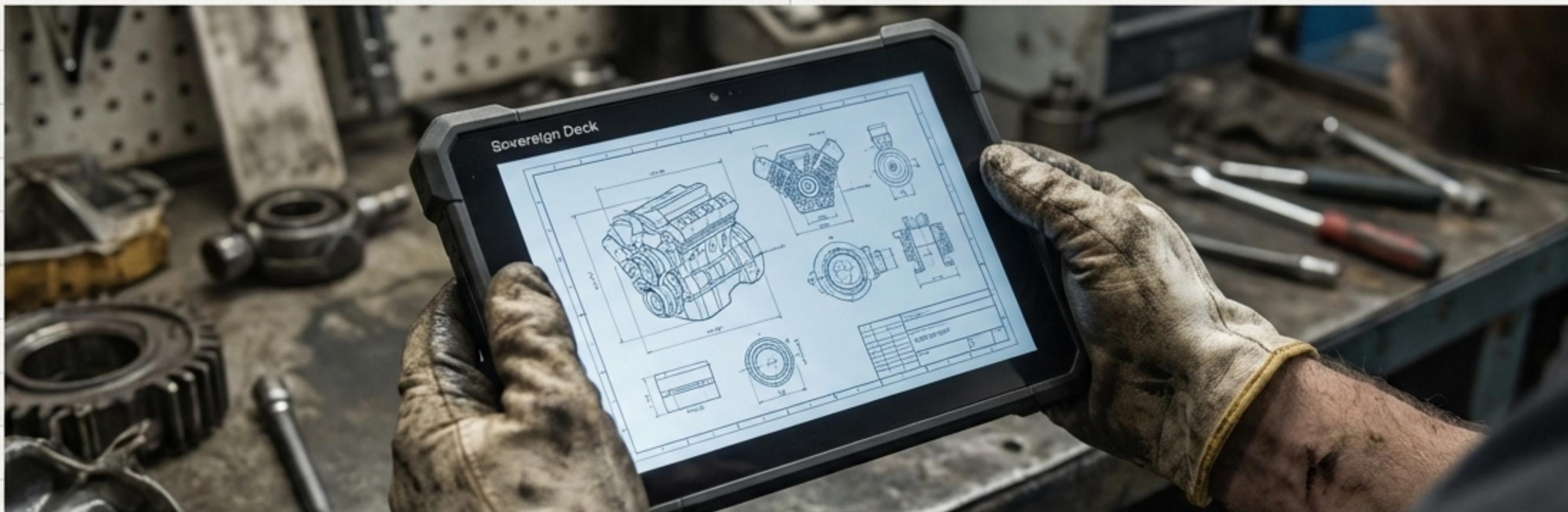
## THE OLD PARADIGM



## THE SOVEREIGN PARADIGM



**THE RESULT:** Elevates basic on-site mechanics to master technicians instantly, increasing equipment resale value through immutable Locutus ledgers, and proving SLA compliance.



# Absolutne Hardware Sovereignty



Fifty years of industrial engineering knowledge.



Zero bandwidth required.



Zero cloud subscriptions.



Complete operational control.