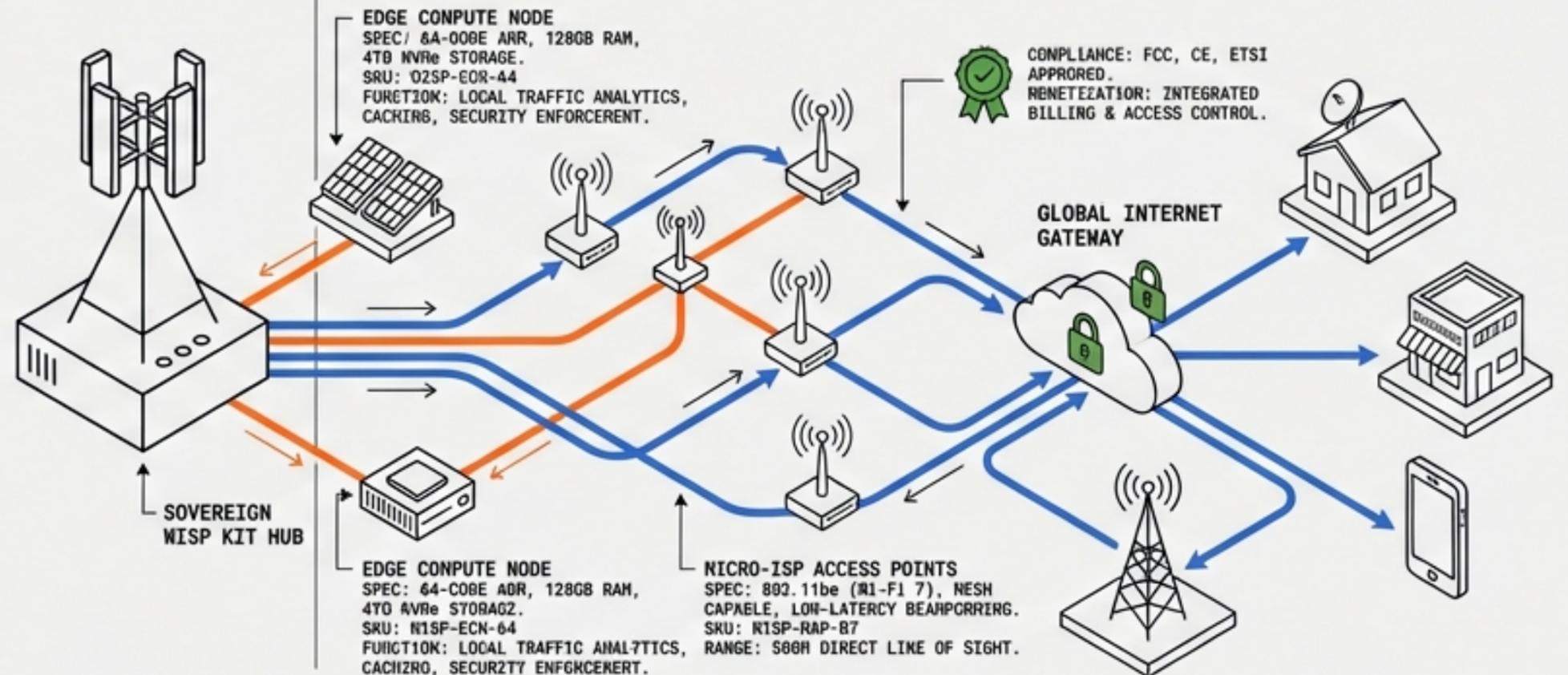


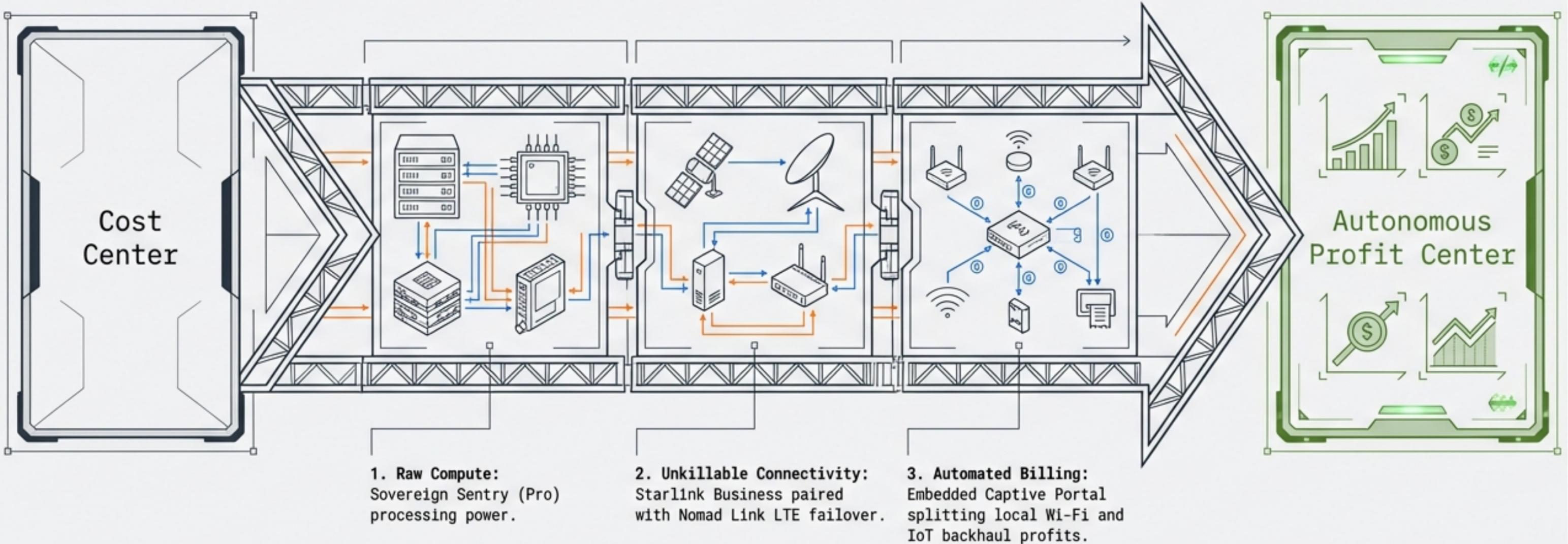
# THE SOVEREIGN WISP KIT

## AUTOMATED MICRO-ISP & EDGE NODE

DOCUMENT CLASSIFICATION:	CONFIDENTIAL INTERNAL DOCUMENT
RESTRICTION:	DO NOT DISTRIBUTE WITHOUT AUTHORIZATION
SUBJECT:	PRODUCT SSOT
VERSION:	1.0
DATE:	MARCH 10, 2026
STATUS:	PRE-PRODUCTION / PILOT PHASE
OWNER:	DERETICULAR INFRASTRUCTURE DIVISION & TRIFIWIRELESS PARTNERSHIP



# TRANSFORMING DECENTRALIZED INFRASTRUCTURE FROM A PASSIVE COST CENTER INTO AN ACTIVE, AUTONOMOUS PROFIT CENTER.



This is not just networking equipment; it is an automated, off-grid telecom business in a single, ruggedized box.

# TARGET DEPLOYMENT PROFILES

## QUADRANT 1: RV PARKS



**Target:** High-density transient populations requiring temporary, high-speed retail data.

## QUADRANT 2: ECO-TOURISM OPERATORS



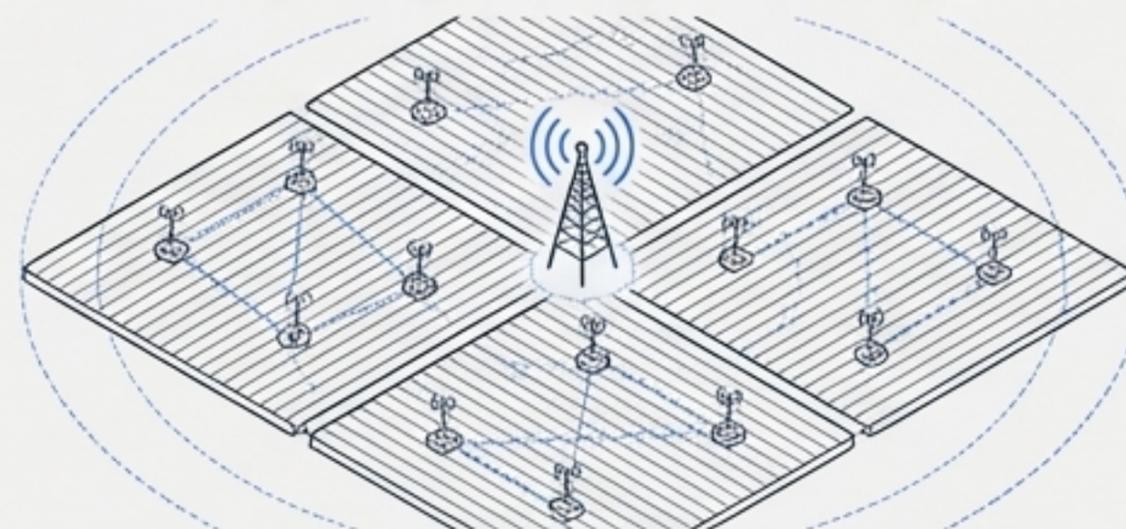
**Target:** Off-grid luxury hospitality requiring zero-touch guest access and secure payment gateways.

## QUADRANT 3: REMOTE MINING CAMPS



**Target:** Industrial deployments requiring both crew communication (Wi-Fi) and equipment telemetry (LoRaWAN).

## QUADRANT 4: AGRI-BUSINESS LANDOWNERS



**Target:** Expansive acreage requiring M2M (Machine-to-Machine) backhaul for soil and weather sensors.

# HARDWARE BOM (THE PHYSICAL INFRASTRUCTURE)

**PRIMARY PACKAGE BLOCK:** RIOS-KIT-WISP BUNDLE

**MSRP:** \$1,749.00

## 1x SOVEREIGN SENTRY (PRO)

SKU: RIOS-SS-PRO

The core edge compute, SD-WAN router, and Local RADIUS host.

## 1x NOMAD LINK

SKU: RIOS-NL-01

Industrial, battery-less LTE failover bridge for payment gateway uptime.

## 2x MESH BEACONS

SKU: RIOS-EXT-01

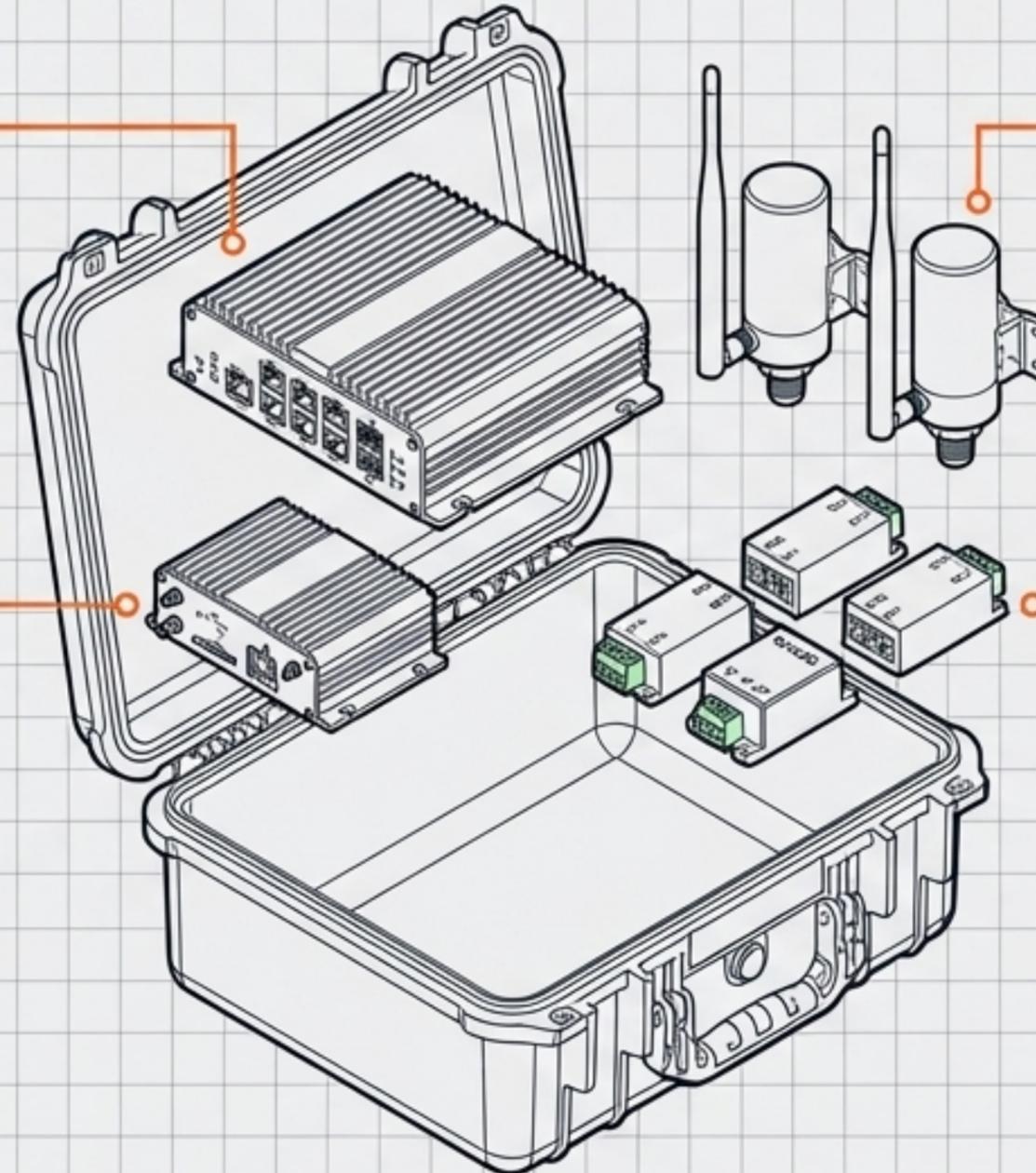
IP67-rated outdoor access points broadcasting Wi-Fi 6 and 915MHz LoRaWAN.

## POWER MANAGEMENT

2x PoE+ Injectors & 1x DC Step-Down for direct solar microgrid or UPS integration.

### PARTNER DEPENDENCY NOTE:

REQUIRES STARLINK FLAT HIGH-PERFORMANCE KIT (~\$2,500 + \$250/mo Priority Data via TriFiWireless).



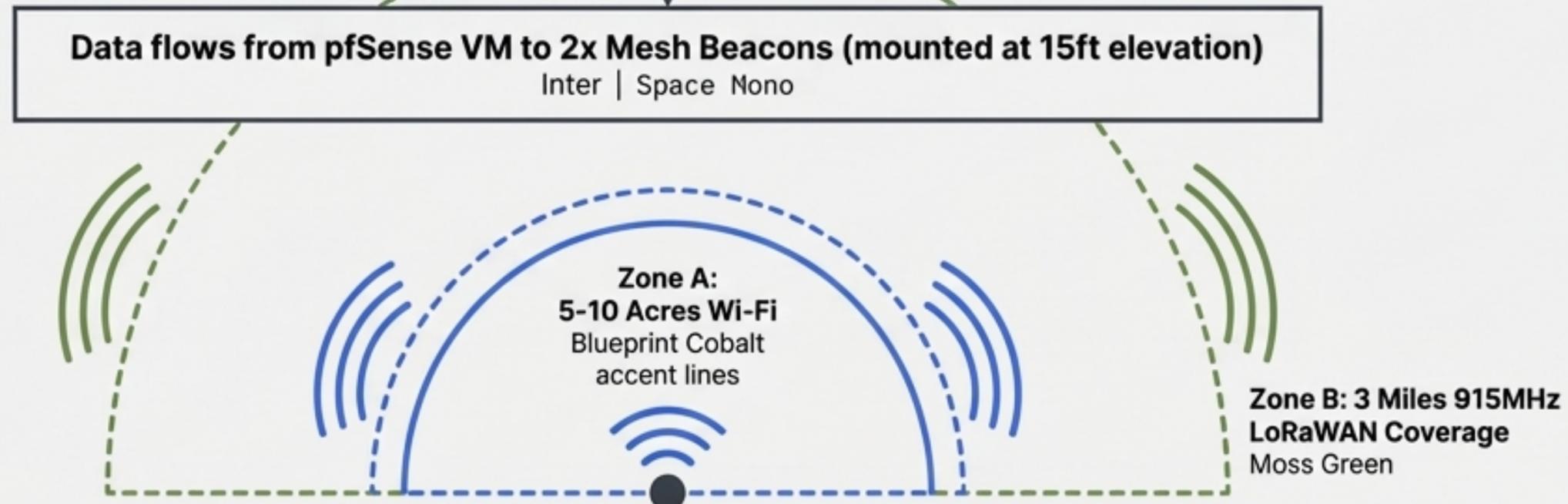
# NETWORK TOPOLOGY & COMPUTE EDGE

DOSSIER TYPE: TECHNICAL READOUT | PROJECT:  
DECENTRALIZED INFRASTRUCTURE TRANSFORMATION  
DATE: OCTOBER 26, 2024 | SLIDE: 004

## INGRESS & COMPUTE



## BROADCAST & COVERAGE



# THE TOLLBOOTH OS (THE DIGITAL ENGINE)

## LAYER 4 (TOP): TriFiWireless API Bridge

A secure, locked container syncing total consumption with the TriFiWireless enterprise backend to guarantee Acceptable Use Policy (AUP) compliance.

## LAYER 3: THE TOLLBOOTH AGENT

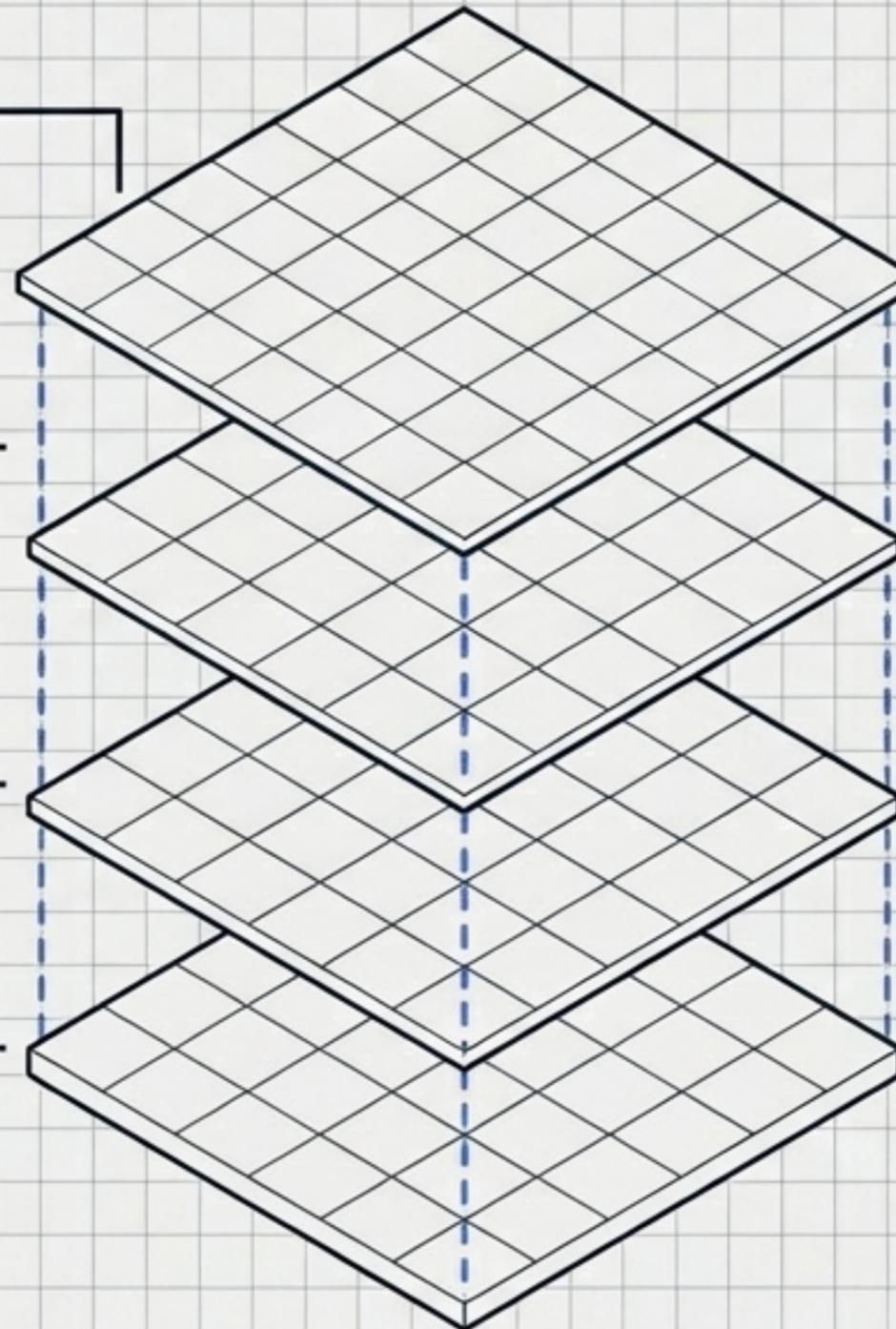
Image: `dereticular/openclaw-wisp:latest`  
The core logic engine. Handles MAC address whitelisting, Stripe/Crypto API calls, and strict per-user QoS metering.

## LAYER 2: pfSense VM

Handles SD-WAN bonding, intercepting DNS, and routing traffic to the Captive Portal.

## LAYER 1 (BASE): SENTRY HARDWARE

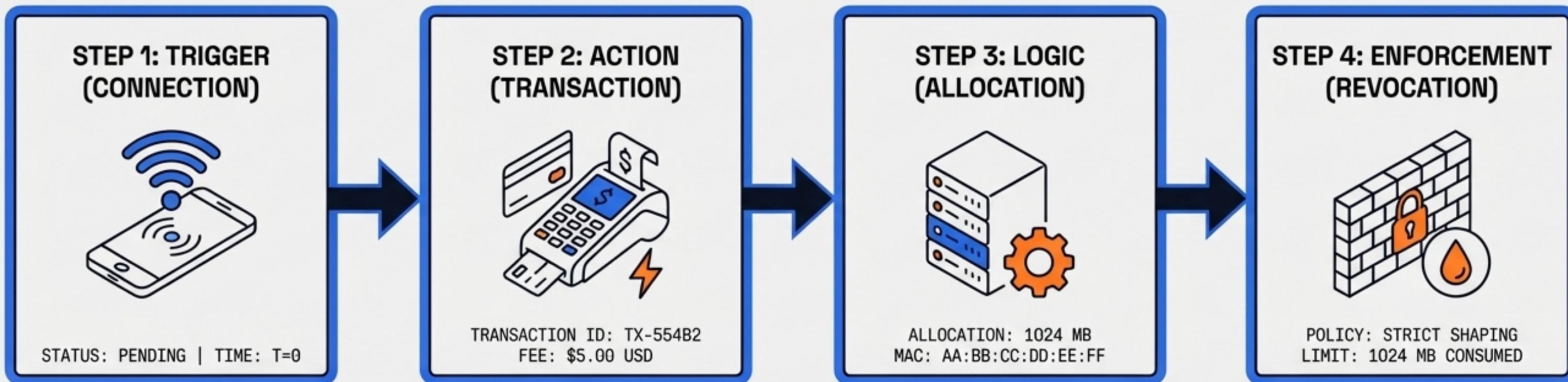
The physical routing and compute foundation.



EDITORIAL CYBER-PHYSICAL DOSSIER |  
PROJECT CODE: F4F4FF5 | SLIDE: 005

# REVENUE ENGINE MODE A: TRANSIENT MICRO-TRANSACTIONS

DOSSIER TYPE: TECHNICAL READOUT | PROJECT: DECENTRALIZED INFRASTRUCTURE TRANSFORMATION | DATE: OCTOBER 26, 2024 | SLIDE: 006



User smartphone connects to the public SSID (e.g., Sovereign\_Connect\_\$5\_GB). pfSense intercepts DNS.

Redirect to locally hosted Captive Portal. User pays \$5.00 via Stripe or Lightning Network.

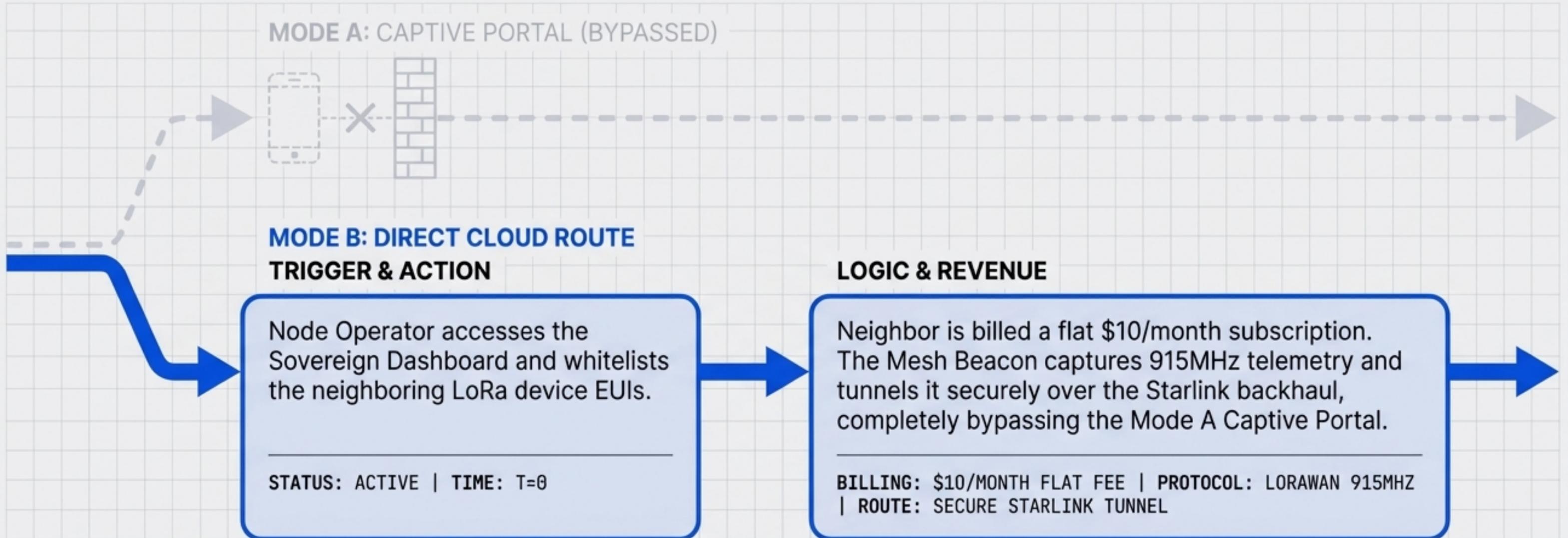
The Tollbooth Agent registers the MAC address and provisions exactly 1,024 MB in the local RADIUS server.

Strict shaping applied (15 Mbps Down / 2 Mbps Up). Upon consuming 1,024 MB, the firewall instantly drops the session and redirects to the top-up page.

# REVENUE ENGINE MODE B: M2M IOT BACKHAUL

**USE CASE:** Neighboring agri-business deploying soil moisture sensors within the 3-mile LoRaWAN radius.

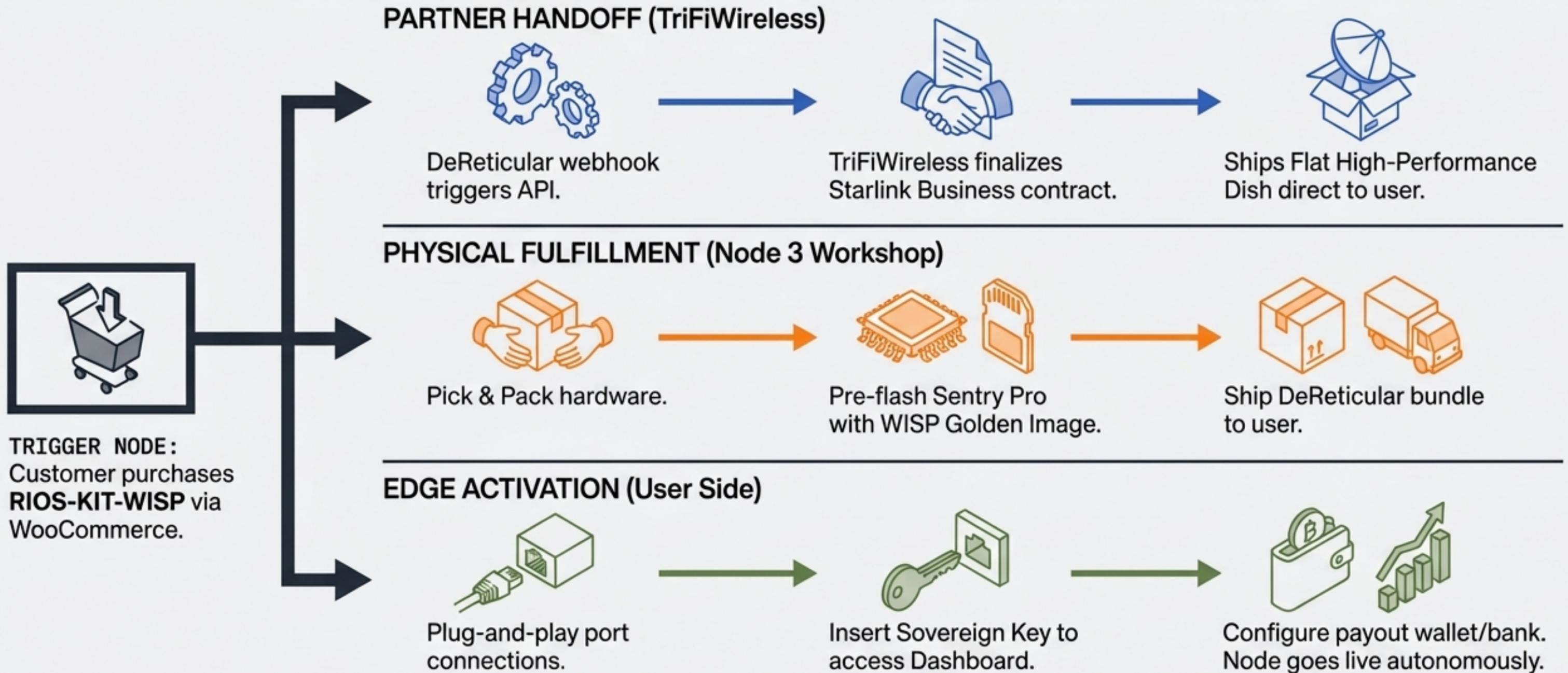
DOSSIER TYPE: TECHNICAL READOUT | PROJECT: DECENTRALIZED INFRASTRUCTURE TRANSFORMATION | DATE: OCTOBER 26, 2024 | SLIDE: 007



**STRATEGIC TAKEAWAY:** Blends high-margin transient B2C revenue (Mode A) with stable, recurring B2B leasing revenue (Mode B).

# LOGISTICS & ACTIVATION (THE FULFILLMENT SWIMLANE)

DOSSIER TYPE: TECHNICAL READOUT | PROJECT: DECENTRALIZED INFRASTRUCTURE TRANSFORMATION | DATE: OCTOBER 26, 2024 | SLIDE: 008



# SYSTEM GOVERNANCE & RISK MITIGATION

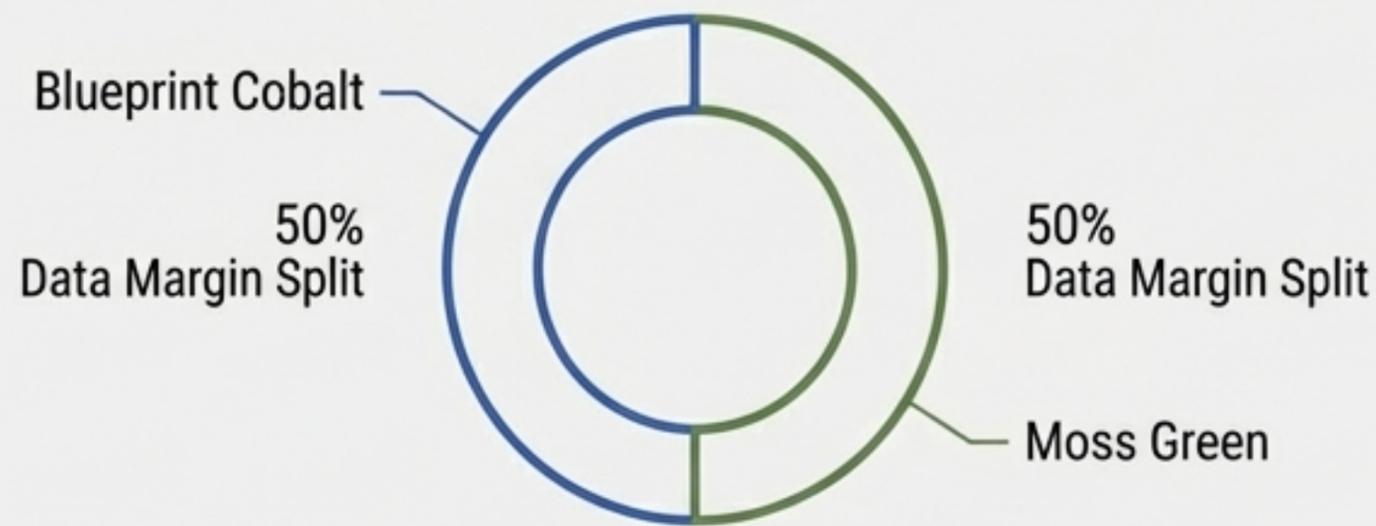
DOSSIER TYPE: TECHNICAL READOUT | PROJECT: DECENTRALIZED INFRASTRUCTURE TRANSFORMATION |  
DATE: OCTOBER 26, 2024 | SLIDE: 009

	THREAT PROFILE		AUTOMATED COUNTERMEASURE
	<b>Threat: Bandwidth Hogging</b> Single user streams 4K video, depleting Starlink pool.		<b>Countermeasure (R-QOS-01)</b> Tollbooth Agent enforces a hard, unyielding 15/2 Mbps limit per MAC address.
	<b>Threat: Starlink TOS Ban</b> Reselling residential connections violates SpaceX rules.		<b>Countermeasure (R-AUP-01)</b> System strictly locked to TriFiWireless Enterprise API. Boot failure sequence initiated if connected to residential dish.
	<b>Threat: MAC Spoofing &amp; Legal Liability</b> Captive portal bypass or illegal torrenting.		<b>Countermeasure (R-SEC-01 &amp; Legal)</b> Sovereign Audit engine detects rapid MAC cycling and auto-blocks. Enforces Layer 2 Client Isolation. Retains 90-day MAC/IP association logs for CALEA / DMCA Safe Harbor protection.

# SLA, ECOSYSTEM ECONOMICS & NEXT STEPS

DOSSIER TYPE: TECHNICAL READOUT | PROJECT: DECENTRALIZED INFRASTRUCTURE TRANSFORMATION | DATE: OCTOBER 26, 2024 | SLIDE: 010

## ECOSYSTEM ECONOMICS



**DeReticular Value:**  
Manages underlying Stripe/Crypto gateways, assumes chargeback risk, and handles complex tax reporting.

**Operator Value:**  
Cryptographically auditable micro-transactions via localized Locutus Ledger dashboard.  
Total operational autonomy.

## SUPPORT & SLA ARCHITECTURE

### Hardware Warranty:

1-Year Limited on Sentry Pro, Beacons, and Nomad Link. (Starlink supported via SpaceX/SpaceX/TriFiWireless).

### Software Lifecycle:

Continuous OTA updates for pfSense firewall and OpenClaw agent via DeReticular registry.

[ Authority: Remnant / TriFiWireless Joint Steering Committee ]