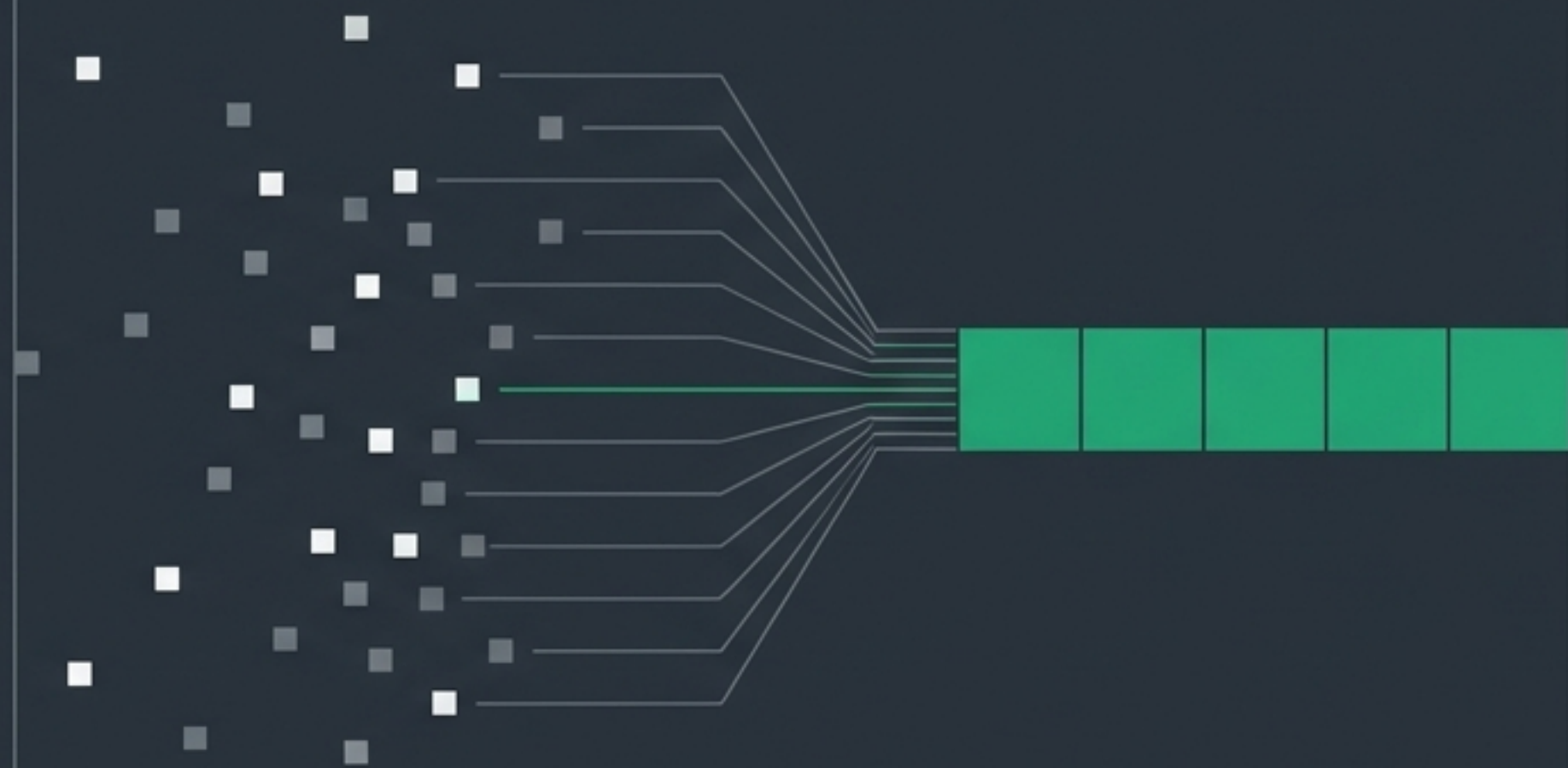
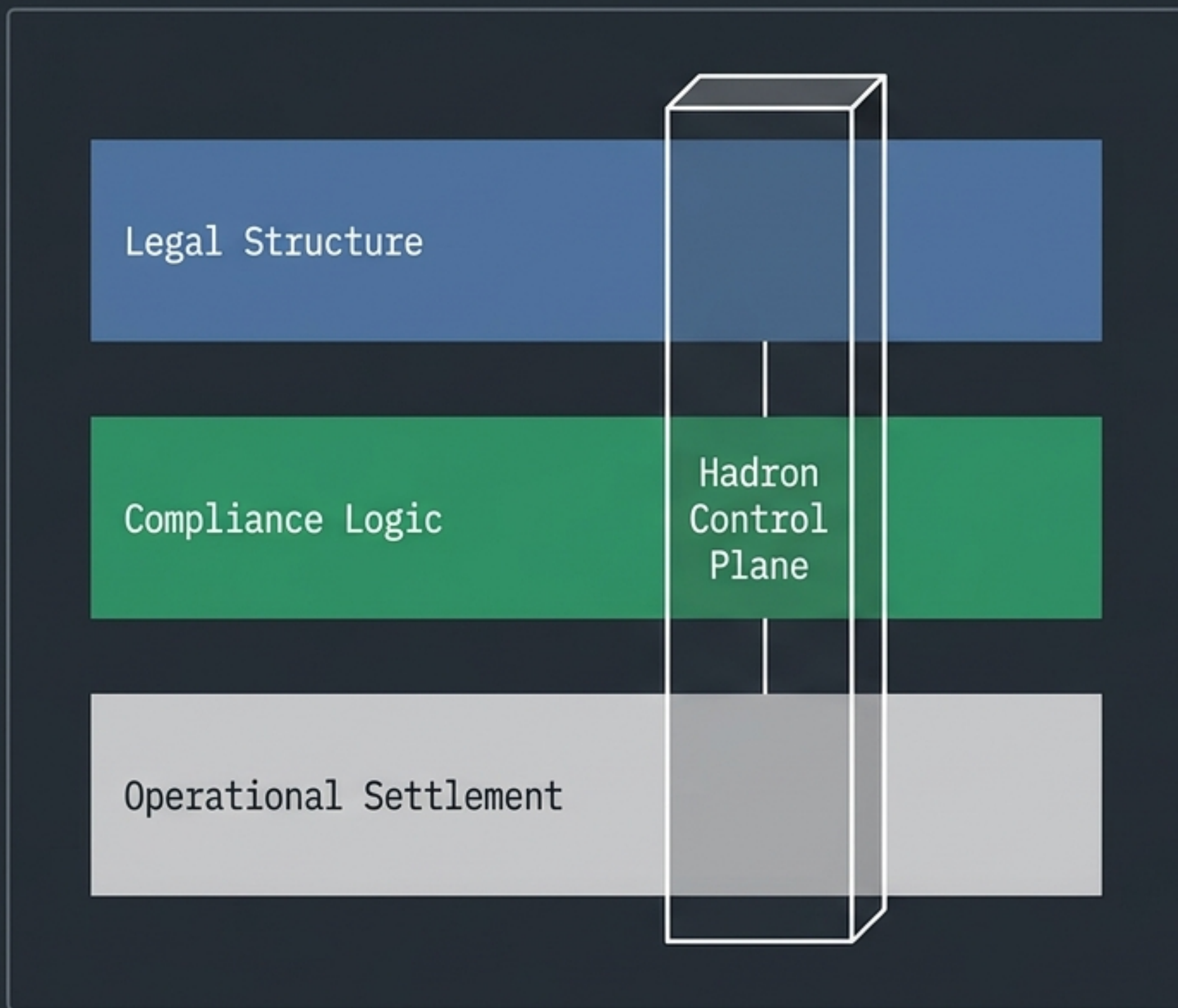


Scaling Institutional Tokenization Infrastructure

- Strategic product assessment and 18-month execution roadmap.
- Evolving from controlled token operations to full-lifecycle orchestration.
- Prepared by: Senior Technical Product Manager Candidate



Hadron as an Institutional Control Plane



Core Thesis

Value peaks where legal structure, compliance logic, and operational settlement intersect.

Current State

Excels at issuance, role-based permissions, and institutional API access.

The Missing Layer

Seamless orchestration across jurisdictions, custody, settlement, and post-issuance servicing.

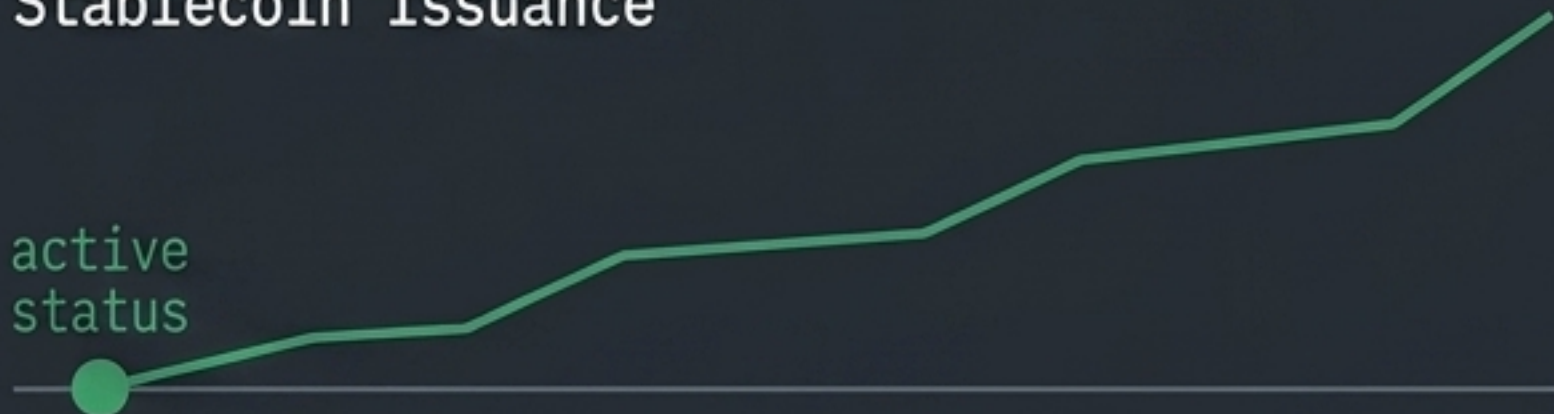
Strategic Goal

Transform compliance-heavy, multi-jurisdiction workflows into repeatable product infrastructure.

A Live Baseline for Institutional Scale

Stablecoin Issuance

active
status



MiCA-aligned deployments prove embedded compliance handles regulated issuance in production.

Fixed-Income Footprint

Tokenized bonds validate that transfer controls and settlement use cases are operational.

Capital Markets Demand



Active ETP partnerships demonstrate live market pull.

API-First Architecture

```
{
  < >
  < />
  < />
  </>
}
```

Role-based controls and compliance-linked state changes confirm integration readiness.

Beyond Issuance: The 7-Stage Operations Pipeline

Broad Orchestration Zone: What institutions demand



Narrow Issuance Zone:
Where competitors focus

1	2	3	4
Asset & Token Setup Legal structures, KYC/KYB, whitelist configurations.	Issuance & Distribution Contract deployment, minting, jurisdiction-aware onboarding.	Lifecycle Management Pre-transfer validation, sanctions checks, identity-linked controls.	Servicing & Settlement Corporate actions (yield/voting) and definitive redemption/burn.

Aligning Token Standards with Compliance Obligations

Token Standard	Compliance Need	Optimal Use Case
ERC-20	Minimal transfer restrictions	Stablecoins and highly composable assets
ERC-1400	Partitions and institutional servicing	Regulated securities
ERC-3643 / T-REX	Embedded identity and compliance logic	Identity-linked transfer behaviors
ERC-4626	Standardized yield calculations	Yield-bearing units and money markets
Liquid	Confidentiality parameters	Bitcoin-native institutional context

One Unified Interface, Modular Regional Logic

European Union

MiCA Module

MiCA, DORA, and AMLD6 require transforming regulation into a repeatable product module.

United States

Qualified Custody API

Unlocking AUM depends on qualified-custodian integrations, Reg D/S encoding, and FinCEN workflows.

**Hadron
Unified API**

Switzerland

SIX SDX Connector

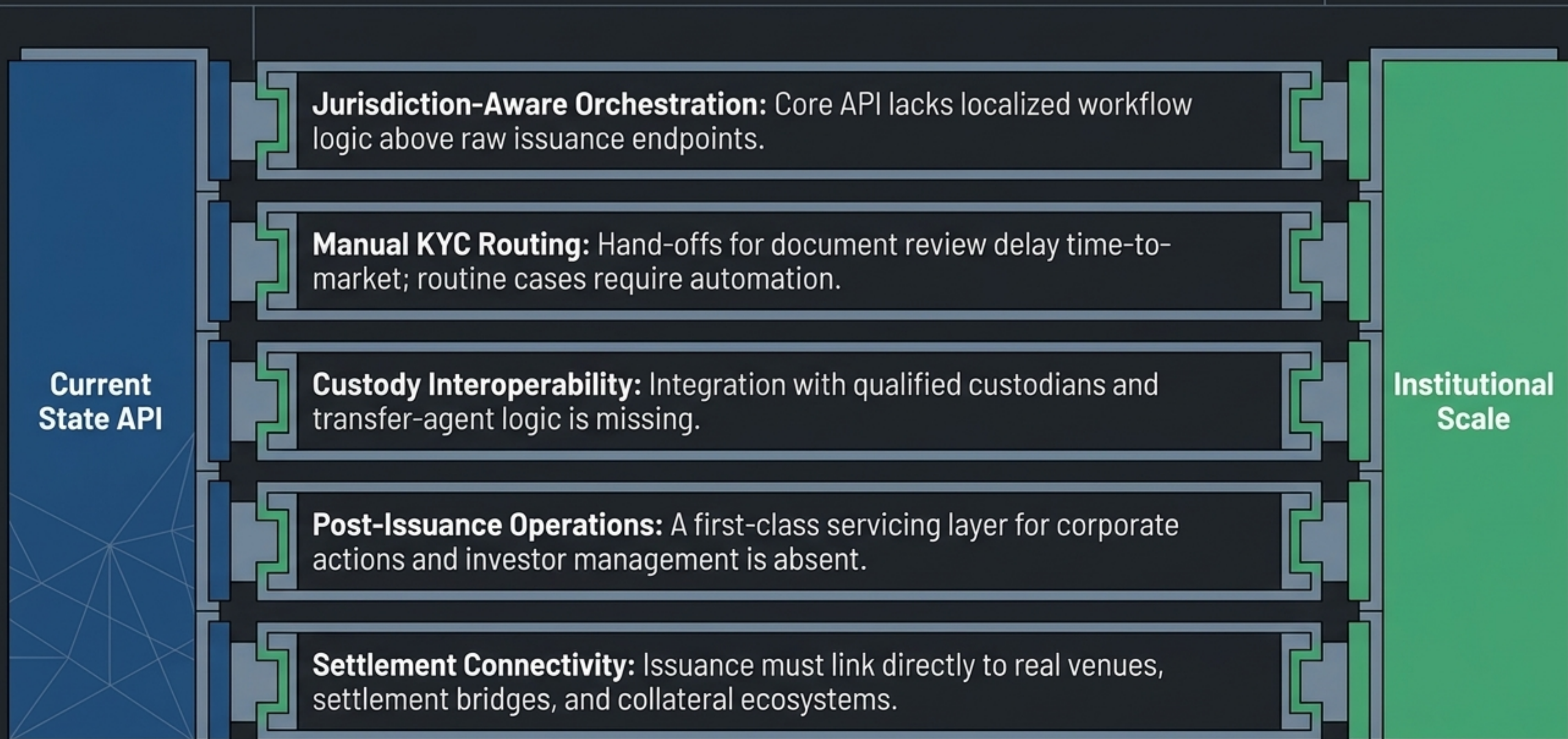
Legal clarity exists; the product gap is bridging to institutional secondary infrastructure.

LATAM

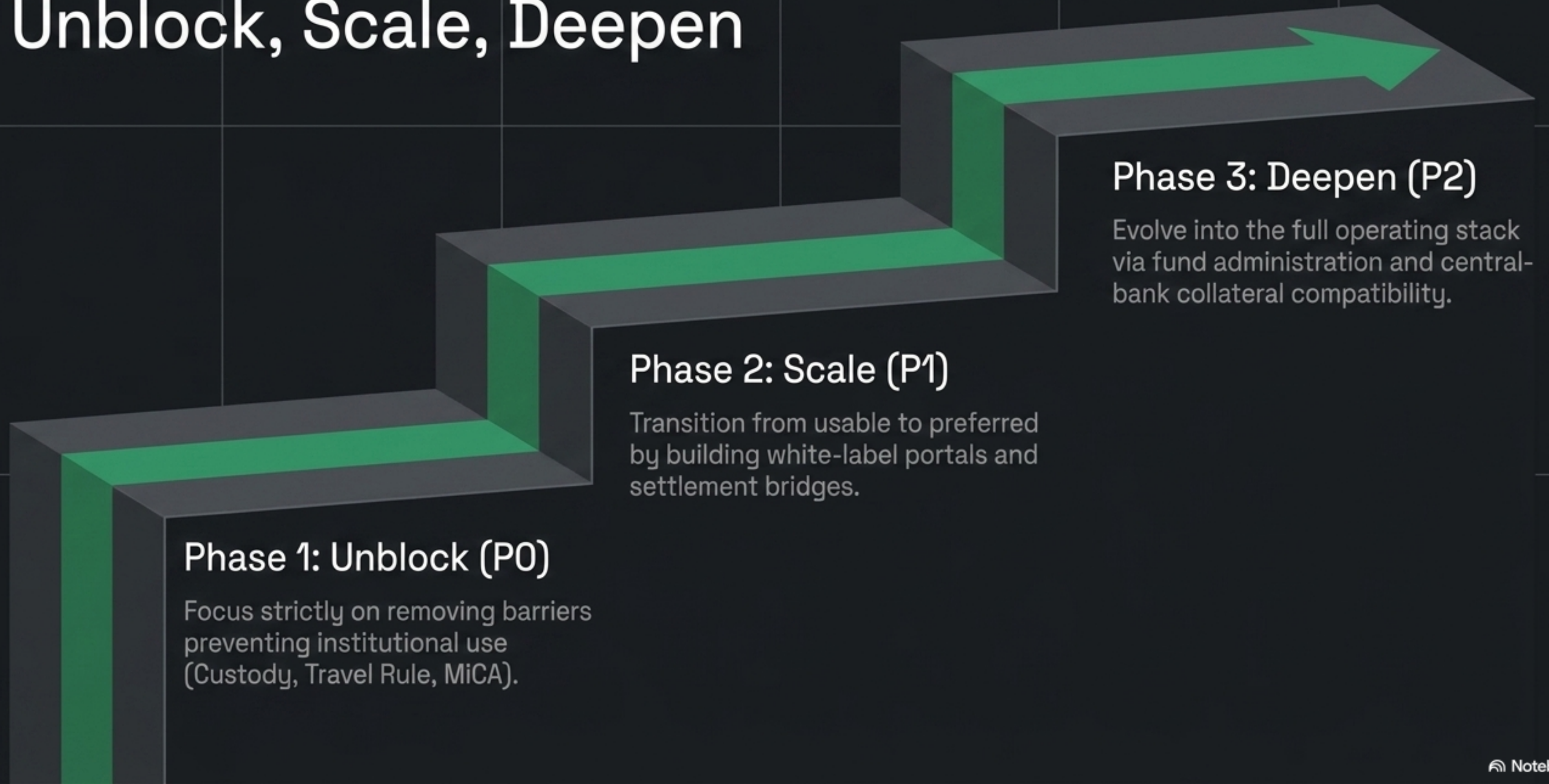
Document Intelligence / OCR

High-growth corridor requiring real-world friction encoding and OTC settlement upgrades.

Technical Gaps to Institutional Scale



Roadmap Sequencing: Unblock, Scale, Deepen



Executing the Three-Phase Strategy



Cross-Border Institutional Onboarding v2.0

The Problem: Fragmented, unstandardized institutional data creates manual delays and prevents scale.

The Solution: A self-guided, jurisdiction-aware orchestration wizard that cuts time-to-first-token.



Translating Law into Code

Manual Legal PDF Knowledge



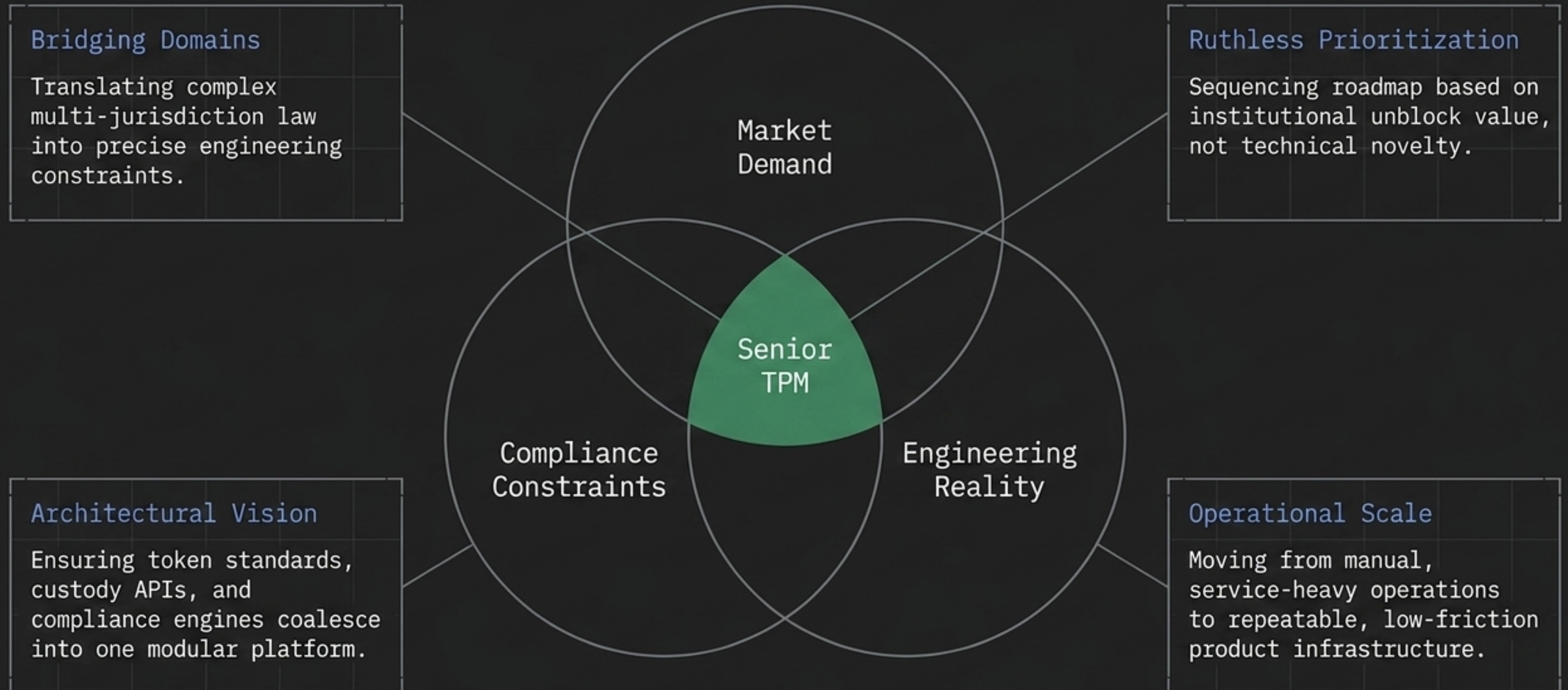
- **Compliance-by-Design:** Legal obligations must be embedded in product logic, not isolated in external PDFs.
- **Institutional Trust:** Operational infrastructure wins by making non-compliance technically impossible.

Programmable Engineering Logic

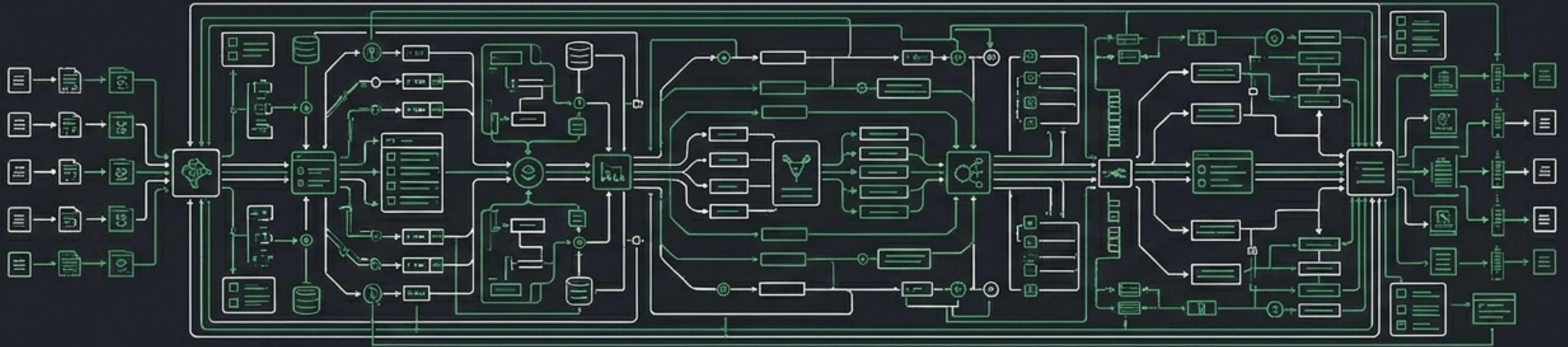
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{
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  "sanctionsRouting": {jurisdiction:"US","action":"block"},
  "retention": "7_YEARS"
},
{
  "complianceCheck": "MiCA",
  "evidenceExport": true,
  "auditTrail": "active"
}
```

- **Automated Enforcement:** Programmable transfer restrictions, sanctions-specific routing, and automated retention profiles.
- **Auditability:** Built-in disclosure workflows and verifiable evidence exports for MiCA and DORA compliance.

Why Hadron Needs Strong TPM Ownership



The Operating System for Tokenized Assets



Hadron already possesses a highly capable, API-first control plane with proven multi-jurisdictional use cases.

The immediate path forward is closing custody gaps and building jurisdiction-aware orchestration.

By sequencing roadmap execution to unblock institutions first, Hadron captures the highest-value market segments.

Final Positioning: Hadron will be the definitive infrastructure for regulated asset issuance, control, and servicing.