MPM LABS

OnStack

Capabilities Brief

AN ONSTACK FRAMEWORK DOCUMENT BY MPM LABS

MPM Labs · Dubai International Financial Centre

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The on-chain finance operating system for enterprises

OnStack is MPM Labs' managed design and orchestration system for the full on-chain finance stack, delivered as an operating model and a service. It is built from components, and the sequence between them is the point.

2Web3 — MPM Labs' ecosystem and venture design product: the token model and instrument set, the economic and incentive architecture, the commercial architecture of the venture, and the layer switchboard that decides which of the nineteen layers the asset requires. The groundwork, completed before any partner is approached.

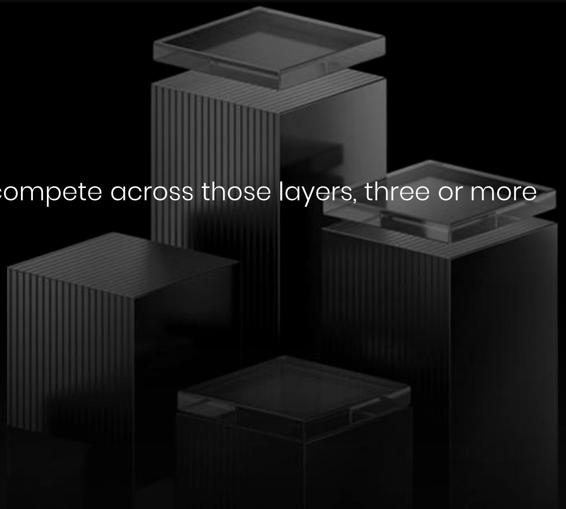
Orchestration — MPM selects the best-fit licensed or specialist provider for each required layer, contracts and wires them into one working system, and operates it for the life of the asset. Regulated services are delivered by licensed providers under their own contracts; MPM Labs is the coordinating counterparty.

COMPONENT 1 · 2WEB3

Ecosystem & venture design · the groundwork · completes first

COMPONENT 2 · ORCHESTRATION

Select · Integrate · Operate · runs on the 2Web3 groundwork



Bringing an enterprise asset on-chain is a build across roughly nineteen functional layers. Around a hundred specialist providers compete across those layers, three or more regulators can apply within a single region, and the right choice in one layer constrains the viable choices in the next.

Five planes, nineteen layers, one control plane

$500T+
total global financial assets, end-2024 (FSB)

<0.1%
tokenization penetration today

6 > $1B
asset categories on-chain by mid-2026

SETTLEMENT	ISSUANCE	ASSURANCE	MARKETS	DISTRIBUTION
Chain & Ecosystem	Tokenization	Compliance	Securities & TA	Distributors
Stablecoin	Legal & Jurisdictions	SC Security	Liquidity	Fiat Rails
Custody	Oracle	Insurance	Yield/DeFi	TVL
		Audit	Allocators	
		Ratings		
		Analytics		

The five-plane model, the nineteen-layer reference stack and the control-plane framing are MPM Labs' own framework. The asset runs on top as the application; the jurisdiction configures the runtime.

THE METHOD · THE TRUST ARCHITECTURE

DASIO, and why an institution can hold it

D Diagnose ▸ **A** Architect ▸ **S** Select ▸ **I** Integrate ▸ **O** Operate

2Web3 delivers Diagnose and Architect; orchestration delivers Select, Integrate and Operate. A stage opens only when the previous gate clears.

Regulated custody

qualified, segregated keys

Attested data

oracle feeds → NAV, continuously

COMPLIANCE GATE

KYC/AML on entry · every transfer permissioned · eligibility enforced on-chain

Independent audit

output ↔ NAV ↔ payouts

Permissioned secondary

the gate travels with the token

From signature to a live instrument, and where it can run

A first engagement runs five to eight months to a live token, then Operate recurs. The design window decides every layer; counsel is the first external party; liquidity goes live at day 0.

Runtime	Frame	Status
United States	SEC · CFTC · GENIUS Act	Federal stablecoin law (2025); securities apply on-chain (2026)
European Union	MiCA · MiFID II	Fully applicable Dec 2024; DLT Pilot sandbox
UAE & GCC	VARA · DFSA · FSRA	Dedicated asset-referenced category (2025); live precedent
Singapore · HK	MAS · SFC/HKMA	Licensing per activity; stablecoin frameworks
Switzerland	FINMA · DLT Act	Tokenized securities recognized since 2021

Summaries are directional; instrument-specific analysis by licensed counsel in the relevant market governs any actual structure.

1 vertical, end to end

UAE renewables, published as its own paper

~49 providers assessed

scored primary + alternate per layer

Method codified

operating manual + delivery playbook

Live precedent at scale

DLD tokenized title, $16B by 2033

Design first, then the build, then the running system

1 · Design · 2Web3

Diagnosis, then the full ecosystem and venture design: token model, economics, commercial architecture, layer switchboard. The blueprint is yours to keep.

2 · Build and raise · orchestration

Providers selected on standing diligence, integrated into one system; assurance completed; the raise through licensed channels; a rehearsed launch.

3 · Operate · recurring

Distributions against attested revenue, holder reporting, the audit calendar, market oversight, and the roadmap to the next asset.

An OnStack framework document by MPM Labs · external edition · v1.0 · August 2026. Companion papers with numbered sources are available on request: the OnStack General Overview, the vertical guideline and the jurisdiction editions. This brief describes a framework and market context; it is not investment, legal or tax advice.