

// AFRICA'S RESERVE PROTOCOL

# Africa's reserve protocol.

The pan-African Web3 protocol indexed on the productive wealth of the continent. Pioneer. Sovereign. First-Holder.

**\$10B**

P5 · CENTRAL 2031-2032

**54**

AFRICAN MARKETS

**8/8**

ANTI-ZIG PRINCIPLES

**3**

ADGM · FSRA · CFC

# Mansa Moussa .

## A Legacy reborn .

Mansa Moussa I (1280–1337), 10th Mansa of the Mali Empire, is recognized by historians as the wealthiest individual who ever lived – with an estimated fortune of \$400–415 billion in today's values.

- **Mali Empire**

Largest empire of the 14th century – 1.29M km<sup>2</sup>

- **Pilgrimage 1324**

Crashed global gold prices for 10 years

- **Timbuktu**

25,000 students · 700,000 manuscripts

- **Governance**

Law, justice, taxation – 400 years before Enlightenment

### → MANSSA – THE RENAISSANCE

MANSSA revives this legacy – not with physical gold, but with the currency of the 21st century: data, code, and digital sovereignty. Then : caravan trade, gold treasury, royal governance, Timbuktu manuscripts. Today : pan-African Web3, DAO treasury, decentralized governance, HPC KETZAL.

# Why African Web3 – why now?

*Africa holds every advantage to dominate global Web3. What it lacks is the infrastructure. MANSSA builds it.*

**1.4B**

INHABITANTS

World's largest free-trade zone (AfCFTA). A single market larger than EU and USA combined.

**70%**

MOBILE-FIRST

Of African financial transactions already happen via mobile. The leap to Web3 is natural.

**\$100B+**

ANNUAL REMITTANCES

Transfer fees average 8%. Blockchain eliminates these intermediaries and keeps wealth in Africa.

**0**

SOVEREIGN INFRA

Today, no fully African blockchain infrastructure exists. Every transaction routes through foreign servers. MANSSA ends this.

# Five primitives. One ecosystem.

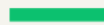
*An integrated protocol where each brick reinforces the others. Standalone, scalable, sovereign.*



RESERVE TOKEN

**\$MANSSA**

Treasury-backed reserve currency. Bonding mechanic. Long vesting.



GOVERNANCE

**DAO**

First-Holder doctrine. Treasury, parameters, community decisions on-chain.



REAL ASSETS

**RWA**

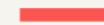
Institutional tokenization. Bauxite, gold, agri, project bonds.



HPC COMPUTE

**KETZAL**

Pan-African supercomputer. Pricing, oracles, audits, compute-as-a-service.



ACCELERATOR

**LaunchLab**

Web3 founders Africa-first. FSRA Cat. 3C licensed. Capital + protocol.

→ Each pillar funds and reinforces the others. RWA fees → \$MANSSA treasury → KETZAL infra + LaunchLab grants → DAO arbitrates.

# The protocol belongs to those who hold it.

*MANSSA DAO graves the First-Holder doctrine into practice. Three powers. One community.*

## POWER 01

### Treasury

Allocation of protocol capital. Bonding decisions, RWA partnerships, LaunchLab grants, strategic buybacks.

- On-chain spending votes
- Diversified treasury
- Public KETZAL dashboard

## POWER 02

### Parameters

Tunable protocol parameters by holders, not insiders. Bonding ratios, fees, collateralization thresholds.

- Protocol tuning by vote
- Fees governance
- Risk parameters

## POWER 03

### Community

Build pan-African local hubs. Funded ambassadors, contributor grants, continental events.

- Ambassador program
- Contributor grants
- MANSSA Days continental

*Safeguards : anti-whale 5% • timelock 48h/168h • quorum 10% • Security Council • 7 mandataries • suspension only.*

# \$MANSSA – built to last.

100M total supply. Treasury-first, ego-last. No pre-mine. No hidden VC deals.



**35%** **Treasury**  
Protocol treasury – fundamental value backing

**15%** **Team (vesting 4Y)**  
Vesting linear 4Y · cliff 12 months

**10%** **Ecosystem**  
Partnerships, integrations, grants

**25%** **Bonding**  
Cliff 30 days + vesting 180 days + circuit-breaker

**10%** **LaunchLab grants**  
LaunchLab incubated startups allocations

**5%** **Community**  
Ambassadors, contributors, long-term incentives

△ Important : ratios are forward-looking. Formal tokenomics doctrine in final review. Not an offer of subscription.

# Three loops. One token.

*\$MANSSA captures the value of the entire ecosystem through three distinct mechanics.*

## LOOP 01

### Bonding

Discount sale of \$MANSSA against durable assets (USDC, ETH, RWA tokenisés). Treasury grows. Token gets a mechanical floor.

- Treasury grows
- Mechanical floor
- Anti-dump by design

## LOOP 02

### RWA fees

Each RWA emission operated by partner SPVs generates fees. A share flows directly to the MANSSA protocol treasury.

- Direct revenue capture
- Mechanical scale
- Compounding

## LOOP 03

### LaunchLab

LaunchLab takes equity + tokens in incubated African Web3 startups. Exits flow back to MANSSA treasury.

- Equity captured
- Tokens captured
- Long-tail upside

*→ More bonding · Treasury grows · Floor strengthens · More RWA emissions · More LaunchLab successes · Token appreciation*

# Eight rules. No exceptions.

*The 8 anti-ZiG principles. Enforceable. Non-negotiable. Onchain-verifiable.*

```
~/manssa/protocol/anti-zig.md
$ cat anti-zig.md
```

<p>→ 01</p> <p><b>Not money.</b></p> <p>Asset-backed. Never a payment rail.</p>	<p>→ 02</p> <p><b>Issuer ≠ regulator.</b></p> <p>Structural separation enforced.</p>	<p>→ 03</p> <p><b>Tier-1 audits.</b></p> <p>KPMG · BDO · PwC · Deloitte · EY.</p>	<p>→ 04</p> <p><b>130-150% overcollat.</b></p> <p>On-chain verifiable margin.</p>
<p>→ 05</p> <p><b>Physical redemption.</b></p> <p>Right to withdraw underlying.</p>	<p>→ 06</p> <p><b>Auto-arbitrage.</b></p> <p>Smart contract stabilization.</p>	<p>→ 07</p> <p><b>Reserves on-chain.</b></p> <p>Daily updates. Public read.</p>	<p>→ 08</p> <p><b>Infra ≠ issuer.</b></p> <p>MANSSA never issues. SPVs do.</p>

# Treasury – where the value goes.

Every USDC entering the protocol treasury is allocated according to a transparent on-chain model.

// TREASURY TARGET

# \$10B

Central horizon 2031-2032  
Tiered trajectory · P1 → P5 enshrined

40%

## African projects

Direct funding of pilot projects + incubated startups. Returns flow back to treasury.

25%

## Staking rewards

Distributed to staked \$MANSSA holders via auto-rebase.

15%

## Protocol liquidity (POL)

Permanent POL – never withdrawn by third parties.

10%

## R&D + KETZAL infra

HPC infrastructure funding and technical evolution.

10%

## Stable reserves

Stablecoin safety cushion – protects token value floor.

→ Return loop : project revenues + RWA fees + LaunchLab exits → DAO Treasury → permanent flywheel

# Sovereign + interoperable.

*Bicameral architecture. Two chambers. One source of truth. Bicameral architecture – opposable doctrine.*

**HSM**

FIPS 140-2 Level 3

**TEE**

Intel TDX / AMD SEV-SNP

**OCR**

Chainlink bridge layer

**3/5**

Quorum HSM signers

## // ORACLE GUARANTEES

- ✓ Proprietary core – sovereign trust environment
- ✓ Bridge layer – global DeFi interoperability
- ✓ On-chain publication for institutional integrations
- ✓ Source of truth for \$aAFRICA, \$gAFRICA
- ✓ Chainlink OCR redundancy – not dependency
- ✓ Proprietary autonomy preserved · global interoperability gained

# HPC KETZAL.

## Built in Africa. By Africa.

*Pan-African supercomputer based in Casablanca via MANSSA Labs SARL (CFC 8.75%). Pricing, oracles, audits, compute-as-a-service.*

### ENGINE 01

## Pricing

Real-time RWA pricing fed by proprietary oracles + tier-1 feeds aggregation.

### ENGINE 02

## Oracles

African oracles : agricultural markets, regional FX, mining data. Where Chainlink doesn't go.

### ENGINE 03

## Audits

On-chain continuous audits. RWA reserves reconciliation. SPV verification.

### ENGINE 04

## Compute

Compute-as-a-service for LaunchLab startups. Risk models, scoring, GPU-accelerated.

## // WHY CASABLANCA

### Sub-50ms latency

for 80% of the African continent

### Local talent

Polytech & ENSIAS-trained francophone engineers

### CFC tax regime

8.75% vs Singapore or Dublin

### Data sovereignty

African data hosted in Africa

# Five layers. Sovereign architecture.

*Each layer builds on the previous. Together they form a coherent, sovereign and scalable architecture.*

L5

## Interface & Identity

Wallet africain, DID, NFT culturels, mobile-first interface

L4

## Sector Applications

Pilot projects tokenized – RWA, KETZAL, integrations

L3

## DeFi & Tokenomics Engine

POL liquidity, bonding, launchpad, self-balancing protocol

L2

## Smart Contracts & DAO

Solidity 0.8.27+ · EIP-7702 · AA native L1 (Hegota)

L1

## Ethereum L1 + KETZAL nodes

Ethereum L1 mainnet only · Solidity EOF post-Glamsterdam · AA Hegota native

# Web3 founders, Africa-first.

*MANSSA's Web3 accelerator. FSRA Cat. 3C licensed. Capital + protocol + network. Picks-and-shovels of the African on-chain gold rush.*

**01**

## Capital

Large tickets via protocol liquidity pool. \$MANSSA allocation for long-term alignment.

**02**

## Protocol

Native MANSSA stack access : oracles, KETZAL compute, RWA framework, SPV integration.

**03**

## Network

Casablanca, Lagos, Nairobi, Cairo, Cape Town hubs. Investors, regulators, talents.

**04**

## Mentor pool

Aave, Lido, Pendle alumni. African fintech leaders. International Web3 lawyers.

## // THESIS – WE BACK THREE THINGS

### Africa-native DeFi

Stablecoins indexed, RWA-collateralized lending

### RWA tooling

Tools for emission, custody, audit, trading

### On-chain identity

Sovereign DID, continental KYC, credit scoring

# Real assets, on-chain rails.

*Institutional tokenization of African real-world assets. MANSSA provides infrastructure – partner SPV issuers do the issuing.*

**01**

## Mining

\$gAFRICA Phase 2 · gold · LBMA custody · physical redemption

**02**

## Agri

\$aAFRICA Phase 1 · cocoa · coffee · vanilla · cotton · EUDR

**03**

## Project bonds

Energy, telecom, infrastructure

**04**

## Sovereign

African states tokenized assets

**05**

## Real estate

Premium commercial – fractional ownership

### // ANTI-ZIG FRAMEWORK

**Every RWA emission respects all 8 anti-ZiG principles simultaneously.**

*Tier-1 audits · 130-150% overcollateralization · Physical redemption · Reserves on-chain · Issuer ≠ infrastructure.*

# Zero-gas onboarding.

*Free governance. Pan-African by design. Three sponsored experience tracks, one sustainable funding model.*

## B-ONBOARD

First entry · First-Holder · KYC tier 1

## B-GOVERN

DAO votes & delegations · Free governance always

## B-ADVANCED

Vesting · staking · bonding · native AA L1

## SBT issuance

Lifetime sponsored transactions

## Sponsored votes

Anti-Sybil multilayer rate limits

## // SUSTAINABILITY

- ✓ Sponsored by Foundation Treasury
- ✓ Anti-Sybil multilayer · KYC + SBT + rate limits
- ✓ Circuit-breaker \$5K/day per user
- ✓ 0.3% yield treasury annually

*Zero-gas onboarding · Free governance · Pan-African by design – opposable slogans*

# Road to TGE.

Indicative H1 2027 – six opposable milestones. No shortcut. Each pre-condition operationally verifiable.

## M1 · SPECS

Smart contracts ·  
Oracle bicameral ·  
HPC Phase 1 v1.0

## M2 · AUDITS

Dual-cabinet · zero  
high/critical · two  
tier-1 firms

## M3 · COUNCIL

Security Council 7  
independent  
mandataries  
operational

## M4 · ORACLE

HSM + TEE +  
Chainlink OCR live  
in production

## M5 · BOUNTY

Immunefi tier-1 ·  
responsible  
disclosure  
framework

## // PRE-CONDITIONS OPPOSABLE

- Specs v1.0 ratified
- Council 7 constituted
- Dual-audit zero high/critical
- Oracle bicameral production

## // TGE GO

30%

M4 · ORACLE

25%

Pen test · threat model published

25%

Audit dual-cabinet 12-16 sem

20%

Bug bounty 1 M USD pre-allocation

*Indicative · subject to audit cycle and  
operational readiness · opposable to protocol,  
not market*

# Caravan of 10,000.

*Inspired by the great trans-Saharan caravans that built the greatness of the Mali Empire – a physical AND digital movement crossing 54 African capitals, uniting 10,000 actors of continental development.*

## Entrepreneurship

Forums, hackathons, pitch sessions, matchmaking with local + diaspora investors. Each city = 1 LaunchLab integration.

## Social action

Tokenized fundraising for local humanitarian projects. Solidarity NFTs, crypto-donations, NGO partnerships.

## Culture & heritage

National and pan-African heritage celebration. Local artists, performances, ancestral knowledge digitization.

## Circular economy

Tokenized local exchange markets, digital cooperatives, inter-capital support networks.

**54**

Capitals

**10K**

Actors

**1,000+**

Startups

**54**

National awards

# Hardware roadmap.

*Sequenced. Realistic. Multi-vendor. Procurement-mature GPU strategy.*

## PHASE 0

M1-M6 · POC partner · 4 GPU shared · validation before commitment

## PHASE 1

M6-M18 · 24 × H100 SXM · mature procurement window

## PHASE 2

M18-M36 · 32-40 × H200 · anticipated commitment Q3 2026

## PHASE 3

M36+ · 32 × B200 incremental · as allocations release

## // MULTI-VENDOR STRATEGY

1

NVIDIA principal

2

AMD MI300X second source

3

AWS Trainium specific

4

Google TPU specific

# Realistic energy. Sovereign

## PUE 1.30

to 1.45 – Morocco climate  
24/7 HPC

## Free-cooling

Phase 3 aspiration 1.15  
conditional

## Sub-stations

Dedicated electrical ·  
redundant generators ·  
UPS

## External study

CDC-MMS-2026-001 HPC  
engineering mandate

## Multi-vendor

NVIDIA · AMD · AWS · Google

## Treasury

33 M USD over 36 months

**33 M USD over 36 months – 40% tokenized · 30% institutional · 30% reinvested. Sovereign by design.**

# Where every dollar goes.

Every USDC entering the protocol treasury is allocated according to this circular distribution model – traceable on-chain.

<b>100%</b>	Bonding inflow	→	<b>DAO Treasury</b>	<i>Raw entry – traceable on-chain</i>
<b>40%</b>	DAO Treasury	→	<b>African pilot projects</b>	<i>Direct funding of high-impact real projects</i>
<b>25%</b>	DAO Treasury	→	<b>Staking rewards (sMANSSA)</b>	<i>Automatic remuneration of loyal holders</i>
<b>15%</b>	DAO Treasury	→	<b>Protocol-Owned Liquidity</b>	<i>Permanent liquidity – never withdrawn</i>
<b>10%</b>	DAO Treasury	→	<b>R&amp;D / KETZAL infra</b>	<i>Infrastructure funding &amp; evolution</i>
<b>10%</b>	DAO Treasury	→	<b>Stable reserves</b>	<i>Safety cushion – protects MANSSA floor</i>
→	Project revenues	→	↻ <b>DAO Treasury</b>	<i>Permanent flywheel – value compounds</i>

# The largest greenfield in crypto.

*Africa is the most underserved continent in Web3 – and the fastest growing. MANSSA is first-mover.*

// AFRICA'S GAP

# 1.4B

people total

## 32M crypto users

*= only 2.3% penetration*

**Largest uncaptured Web3 opportunity.**

// WHY NOW

1	<b>Mobile-first</b>	70% mobile transactions
2	<b>Crypto regulation</b>	12+ countries with frameworks
3	<b>Young population</b>	60% under 25 years old
4	<b>Diaspora flows</b>	\$100B+/year remittances
5	<b>AfCFTA</b>	Continental free trade in place

# We don't seek validators.

*We seek pillars. Strategic capital · RWA partners · Engineering · Mentors & ops. Aligned with First-Holder doctrine and anti-ZiG framework.*

01

## STRATEGIC CAPITAL

Institutional anchors · First-Holder aligned · ADGM-eligible · long-term horizon.

02

## RWA PARTNERS

Sovereign + private operators · agri · gold · energy · credit · anti-ZiG aligned.

03

## ENGINEERING

HPC operators · oracle architects · auditors · market-makers tier-1.

04

## MENTORS & OPS

LaunchLab via AyaHQ · Celo Africa DAO · Lisk Incubation Hub.

05

## FIRST-HOLDER

The DAO arbitrates. Founders vest like everyone else. No clause dilutes the priority.

# Three entities. Three jurisdictions.

*Web3 sovereignty + institutional regulation + African operations – combined without compromise.*

## FOUNDATION

### MANSSA Foundation

→ Abu Dhabi · DLT Foundation

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Protocol governance. IP holder. DAO operator. Non-profit, mission-aligned.

## VENTURES

### MANSSA Ventures Ltd

→ ADGM · FSRA Cat. 3C

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Regulated financial activities. LaunchLab. Investor-facing vehicles.

## LABS

### MANSSA Labs SARL

→ Casablanca · CFC 8.75%

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Technical operations. HPC KETZAL. Engineering hub for the continent.

# From prototype to continental scale.

*Each phase builds on the previous. Growth is organic, measured, and traceable on-chain at every step.*

PHASE 1	PHASE 2	PHASE 3	PHASE 4
<b>Q1-Q2 2026</b> <ul style="list-style-type: none"><li>✓ DAO &amp; \$MANSSA token launch (100M supply)</li><li>✓ HPC KETZAL Morocco operational</li><li>✓ LaunchLab cohort #1 – 20 startups</li><li>✓ Connected farm operational</li><li>✓ Full smart contract audit</li></ul>	<b>Q3-Q4 2026</b> <ul style="list-style-type: none"><li>✓ Specs v1.0 · Smart contracts · Oracle · HPC Ph.1</li><li>✓ Dual-cabinet audits · zero high/critical</li><li>✓ Security Council 7 mandataries operational</li><li>✓ Bug bounty Immunefi tier-1 active</li><li>✓ Pen test cleared · threat model published</li></ul>	<b>2027</b> <ul style="list-style-type: none"><li>✓ Oracle bicameral live · HSM + TEE + Chainlink</li><li>✓ TGE indicative H1 2027</li><li>✓ TGE indicative H1 2027 ± 3 months</li><li>✓ Paymaster 3-buckets operational</li><li>✓ First-Holder doctrine on-chain enforced</li></ul>	<b>2028-2029</b> <ul style="list-style-type: none"><li>✓ P5 central horizon 2031-2032</li><li>✓ \$10B treasury tiered trajectory P1 → P5</li><li>✓ Tier-1 listing post-TGE phase</li><li>✓ \$10B P5 central horizon 2031-2032</li><li>✓ Audits ongoing dual-cabinet annually</li></ul>

# Direction.

*Engraved figures. Full team composition in restricted-circle document. Operating doctrine non-negotiable.*

**01**

## **Founding Sponsor & CEO**

Committed founder · long-term aligned · Agadir, Morocco · 100% mission-aligned.

**02**

## **Project Director**

Orchestration · ADGM · CFC · HPC infrastructure · multi-jurisdiction.

**03**

## **Interim CTO mandate**

In force pending permanent CTO recruitment · technical authority gravée.

**04**

## **Security Council**

7 independent mandataries · formation in progress · profiles enshrined · suspension power.

**05**

## **External mandates**

Engineering tier-1 · Legal CFC + ADGM · Market-maker · Dual audits.

**06**

## **Audit dual-cabinet**

Trail of Bits · OpenZeppelin · ConsenSys · CertiK · Halborn – zero high/critical mandatory.

# Hołders come Always.

MANSSA enshrines in doctrine what other protocols forget. No hidden private deals. No discount VC allocations before everyone else. Treasury serves first those who hold. The DAO arbitrates. Founders vest like everyone else.

Pioneer

Sovereign

First-Hołder

// JOIN US

# Africa is being built now.

MANSSA is the infrastructure of Africa's future. Web3. Sovereign. Circular. Audited.

By and for Africa.

54

*African countries*

100+

*Startups / year*

\$10B P5

*Treasury P5 · 2031-2032*