

UBS ZK Space

Sovereign ZK Blockchain for Storage Mining

No GPUs. No Stake. Just Space + Time.



ubzk.space

Code is Law, Doctrine is Anarchy

Doctrine of Infrastructure Anarchism

- Code > promises
- Infrastructure must be sovereign, not corporate
- Space + Time = fair consensus
- Privacy is not optional — it is native
- Decentralization is not a market trend, but a survival strategy

Legal & Regulatory Memorandum

- Open-source protocol, no corporate issuer
- No token sale, no investment guarantees
- Code publication ≠ securities
- Participation = voluntary contribution
- Compliance stance: SEC/MICA — minimal surface

Philosophy + Legal Shield = UBS ZK Space

The Problem

- PoW → energy waste, GPU monopoly.
- PoS → centralization, capital gating
- Filecoin/Chia → high entry cost, no ZK privacy.



PoS



Lock

OUR SOLUTION



PoSpace + VDF

Green, fair,
ASIC-resistant
consensus.



ZK-Native Runtime

Privacy by default at
L1 — not a rollup.



Modular Substrate/ IBC

Sovereign L1 or
plug-in DA layer.

Built for real infrastructure, not speculation.

HOW IT WORKS



- Fair order
- Low entry threshold
- Quick finality



Challenge – Plot Scan
(chiapos K32)

VDF lock
(haraka-rs)

Proof – Block

Runtime
(WASM + ink!)

GRANDPA finality
(2–18s)

MODULAR ARCHITECTURE



Interfaces

Desktop GUI, CLI, zkID Extension



DevOps

Nix, Docker, CI/CD, Monitoring



Execution

ZK primitives, layers, WASM + ink!



Consensus

PoSpace + VDF + GRANDPA

The only vertically integrated stack — from raw disk to seamless interfaces.

Consensus: PoSpace + Dual VDF + GRANDPA/BABE Finality

- Proof-of-Space for accessibility
- 2VDF for honesty
- GRANDPA/BABE for finality



Eligibility
(disk plots)



Dual VDF
fairness



**Deterministic
finality**
(GRANDPA/BABE
2-18s)



ZK-Native Privacy

-
- | | |
|---|---|
| <ul style="list-style-type: none">• OpenZKP compression & aggregation• Knapsack / Rescue primitives• zk-Merkle trees at chain level | <ul style="list-style-type: none">• zk-ID / anonymous credentials• Confidential voting, private DAOs• No rollups required; fully L1 |
|---|---|

Full-Stack & Ops



**Reproducible
builds**

Nix/Flakes, Docker



CI/CD

GitLab Actions



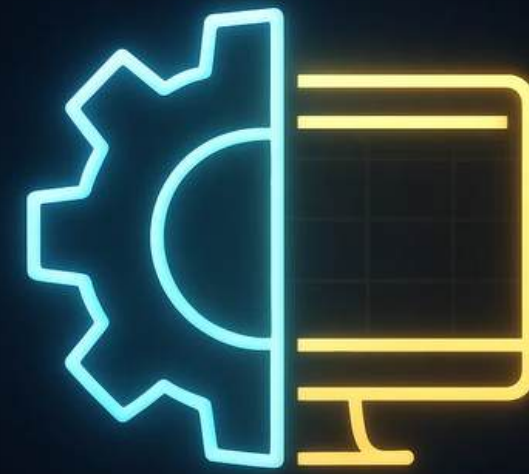
Monitoring

Prometheus + Grafana



Interfaces

GTK4 Desktop,
CLI, zkID



Turnkey onboarding. Enterprise-grade reliability.

Market Opportunity



Decentralized Storage

\$4.2B+ by 2027 (Filecoin, Arweave)



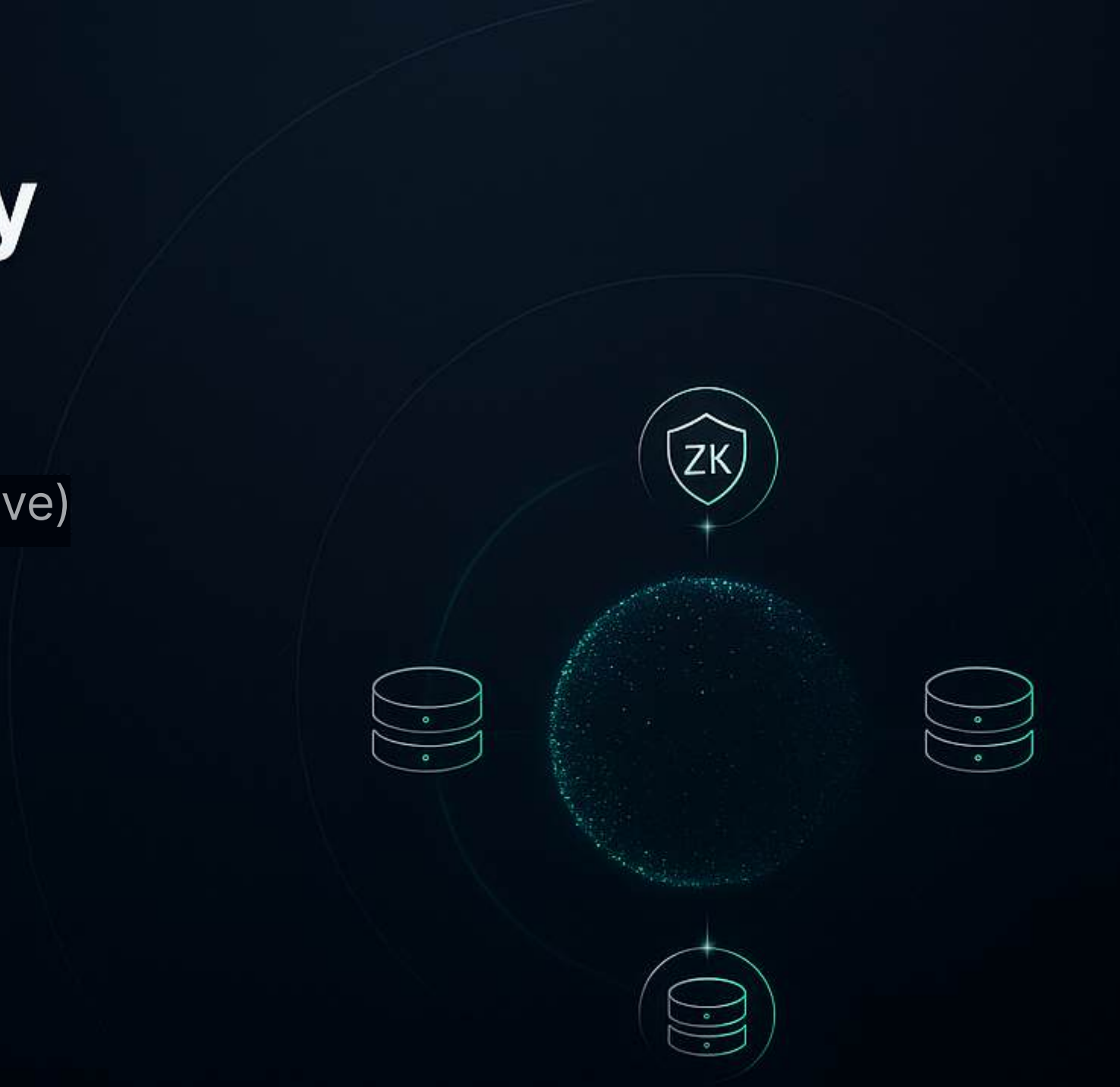
ZK Infrastructure

fastest growing sector in Web3,
\$10B+ TAM



DePIN & Compute

emerging \$200B+ market



UBS ZK Space positions at the intersection of Storage, ZK, and DePIN.

Competitive Landscape

	Filecoin	Chia	UBS ZK Space
Consensus	Proof-of-Replication + PoSt	Proof-of-Space + Timelords	PoSpace + Dual VDF + GRANDPA
Hardware Entry	High-cost servers/ storage	Consumer HDD, big plots	Standard HDD/ SSD, no GPUs
Privacy	Public, no ZK	None	<u>ZK-native at L1</u>
Fairness / Sybil Resistance	Stake/gas bottlenecks	Timelords centralize	Deterministic VDF finality, anti-Sybil
Adoption Potential	Complex, costly onboarding	Farming fatigue, declining	<u>Green, modular, sovereign</u>

First L1 with verifiable PoSpace + ZK privacy by default.

USE CASES



DeFi & Governance

Hashrate derivatives
zk-mixers, collateral

Miner DAOs
& zk-voting



Enterprise & Identity

zk-audits
confidential voting

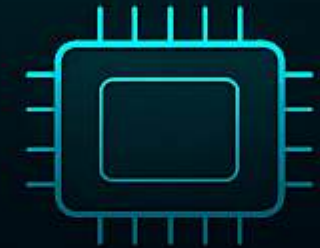
zk-ID &
gamified storage



Storage & DePIN

Sovereign content
delivery, proxy

Plot NFTs,
gamified storage



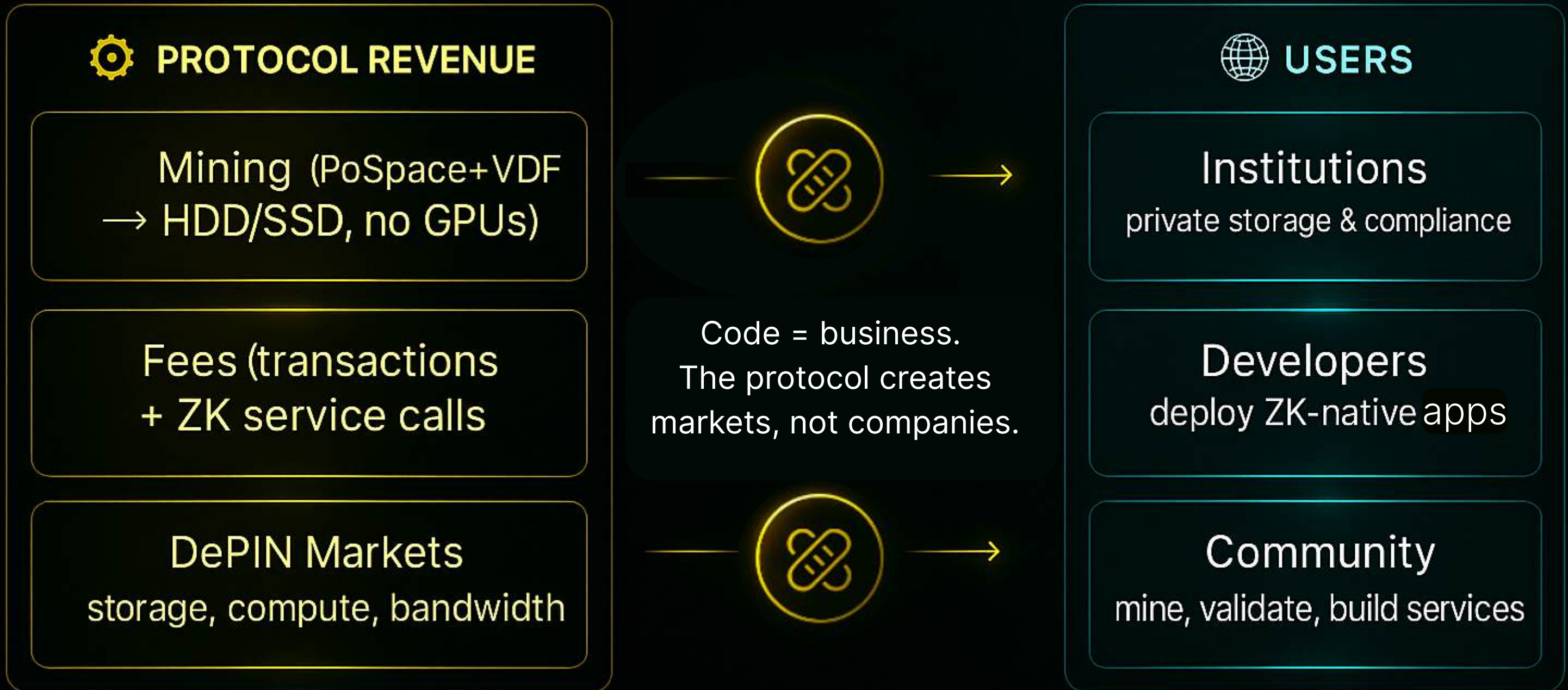
Compute & DeCloud

Idle GPU/CPU
marketplace

Rent compute for
ML, rendering,
science workloads

Privacy by default • L1 verifiability • Modular integrations

Business Model



UBS ZK Space turns disk space into a privacy-first Web3 economy.

Tokenomics

Ticker: UBS

Supply: Algorithmic, no premine

Emission: PoSpace mining only

Fees: Split between Validators / Farmers / Treasury

Hardware: HDD/SSD, no GPUs

Distribution:

- 70% Mining (Farmers/Validators)
- 20% Ecosystem & Infra Grants
- 10% Community & Governance

Year-1 Illustrative Yields:

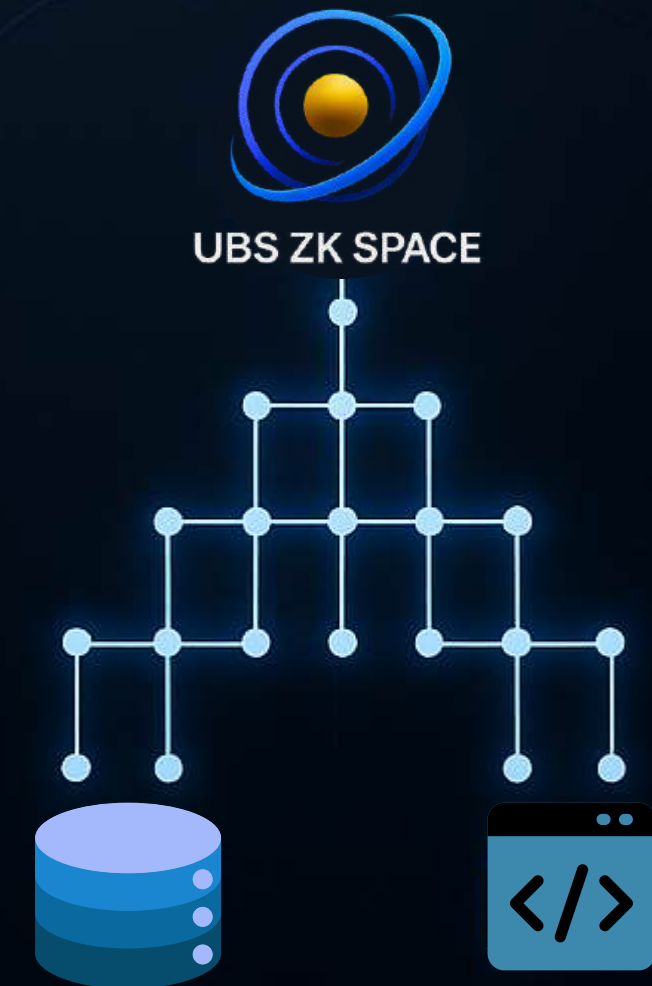
- Early farmers: high block rewards
- Validators: fee + finality bonus

Illustrative, non-binding. Not an offer. For information only.

Traction. Proof of Progress

- ✓ **Codebase Live:** PoSpace + VDF + GRANDPA/BABE consensus Testnet V1
- ✓ **Public Docs & Legal Memos** published (Litepaper, Whitepaper, Legal Overview)
- ✓ **GitLab PoC Archives:** testnet plots (chiapos + haraka-rs), logs, reproducible builds
- ✓ **Community:** early node runners testing

UBS Zk Space is already live, verifiable proofs, and real mining experiments are already working.



Roadmap 2026

Future is built. The future delivered



Testnet V2 – live dev

- Improved plotting & VDF-benchmarking
- Expanded node operator network



Mainnet Launch

- Consensus hardening (PoSpace + Dual VDF + GRANDPA)
- Desktop GUI + CLI rollout



ZK Ceremony

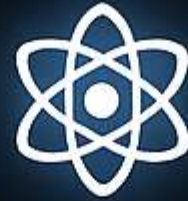
- Groth16 → PLONK/ Nova upgrade
- Privacy primitives fully integrated



Interchain

- IBC integration
- Celestia DA support
- ZK-bridges for sovereign rollups

Production mindset • Deterministic delivery • Infrastructure-first



Core Team

MENTALITY OF SPACE & TIME

Founder — Modular
Blockchain Infrastructure

- Architect of UBS ZK Space (consensus + infra design)
- 10+ years in systems engineering & blockchain R&D
- Visionary behind sovereign storage & ZK-first consensus
- Known for building bridges between protocols and people.

ARCHITECT OF SYSTEMS & ECO

Co-Founder — ZK/DePIN
Ecosystem Builder

- Specialist in Web3 economics, growth & ecosystem launches
- Driving philosophy: “Infrastructure Anarchism”
- Operator mindset: token design, market entry, fundraising
- Known as “Crypto Operator -as-a-Service”.

DEV OF CODE & CONSENSUS

Protocol Engineer
ZK Runtime & Systems Lead

- Integrator genius: consensus = product vision
- Expert in zk-circuits, Substrate runtime, modular L1 design
- Proven protocol-level dev & DevOps pipelines
- Known as ‘the integrator genius’, shaping consensus and vision.

Not a corporate squad. Operators, engineers, builders.
DEV, blockchain, ZK — decades in the trenches.

Status & Ask

- Working base; BTC/ETH demo-archive
- PoC modules; desktop GUI/CLI and DevOps chain
- Community-driven, open-source

Looking for:

- Ecosystem builders
- Infrastructure partners
- Strategic funding partners

🌐 ubszk.space • Telegram: [@EldarUBSZK](https://t.me/EldarUBSZK) • linktr.ee/UBSZK

No token sale. No guarantees. Code over promises.