

Silensio

The zk-Native Privacy Infrastructure for Web3

Programmable Privacy as a Service – Modular Infrastructure for the
Decentralized Economy

Web3 promised decentralization – but forgot privacy

- Every wallet is fully public
- Every transaction is permanently traceable.
- Every governance vote, payment, and DAO decision is exposed.
- Financial activity is linked to real-world identities
- Organizations cannot operate confidentially

Transparency became a bottleneck for adoption, security, and compliance.

The Privacy Gap in **Web3**

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No native privacy layer exists.

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Existing privacy tools are fragmented, limited, and non-composable

Privacy solutions today either sacrifice usability, regulatory safety, or composability with the broader Web3 stack

Enterprises, DAOs, developers and institutions need **infrastructure-grade privacy primitives** – programmable, verifiable, and compliant.

The Opportunity

The next growth phase of Web3 will be enterprise adoption, institutional finance, AI integration, and global governance platform.

None of these can scale on public-by-default infrastructure.

Privacy isn't just a feature
– it's foundational infrastructure.

Silensio delivers programmable privacy as modular infrastructure for **Web3**.



Built entirely on zero
-knowledge cryptography.



Modular protocol stack :
developers integrate only
what they need.



Verifiable privacy with user
-controlled data disclosure.



End-to-end encrypted
financial flows, communications,
identity & data storage.



Fully compatible with the
existing EVM stack, Layer 2s, Rollups
and decentralized storage networks.

Silensio Product Suite

Module	Functionality
<i>SilenMixer</i>	<i>Asset anonymization (ETH, ERC-20, NFTs).</i>
<i>SilenDex</i>	<i>Private decentralized exchange for trading.</i>
<i>SilenWallet</i>	<i>zk-native wallet with stealth addresses & credentials.</i>
<i>SilenMesh</i>	<i>Fully private messaging & file transfer protocol.</i>
<i>SilenPay</i>	<i>Privacy-preserving payment infrastructure.</i>
<i>SilenFile</i>	<i>zk-controlled encrypted file storage.</i>

Each product operates independently or as a fully integrated privacy infrastructure stack.

Technology Architecture

1.

Zero-Knowledge
Proof Engines :
Circom, Plonk, Halo2.

4.

Identity Layer :
zkLogin, Decentralized
Identifiers (DIDs), Verifiable
Credentials.

2.

Smart Contracts :
EVM-compatible,
zkRollup-ready.

5.

Interface Layer :
SDKs, APIs, developer
tooling for Web3 & Web2.

3.

Communication Layer :
Mixnet routing + encrypted
transport.

Silensio is a fully composable infrastructure layer that abstracts cryptographic complexity for builders.

Key Use Cases

Private DAO treasury management.

Confidential payroll & contributor payments.

Secure file storage & governance documentation.

Anonymous credential verification (role, age, membership).

Private P2P collaboration & multi-sig governance discussions.

Enabling privacy layers for AI agent orchestration.

Privacy applies horizontally across nearly every use case in Web3.

Who **We** Serve

Segment	Needs Privacy
<i>DAOs & Governance Platforms</i>	<i>Treasury confidentiality, voting privacy</i>
<i>Enterprise Web3 Applications</i>	<i>Private user flows, encrypted collaboration</i>
<i>Developers & Protocol Builders</i>	<i>Plug-and-play privacy SDKs & APIs</i>
<i>DeFi Platforms</i>	<i>Private swaps, trading strategy protection</i>
<i>Freelancers & Contributors</i>	<i>Confidential compensation</i>
<i>AI Agent Platforms</i>	<i>Private data access for AI workloads</i>

Why **Now?**

- The technology is production-ready (ZK breakthroughs: Plonk, Halo2, zkRollups).
- Regulatory pressure is driving demand for privacy-respecting compliance.
- Enterprises require verifiable confidentiality before entering on-chain markets.
- AI requires privacy-compliant data layers to access real-world knowledge.
- Institutions are entering Web3 – but not without infrastructure-grade privacy.

Market **Timing**

Privacy is becoming mandatory for Web3 to mature into real industries.

Zero-knowledge technology has crossed from research into usable infrastructure.

The addressable market includes :

- + *Web3 Governance*
- + *Enterprise SaaS for DAOs*
- + *DeFi Treasury Management*
- + *AI Data Infrastructure*
- + *Private Payments & Cross-Border Finance*

Roadmap

Timeline	Key Milestones
Q2 2025	<i>Product architecture complete, early partner engagements</i>
Q3 2025	<i>zkVM optimization, testnet deployment</i>
Q4 2025	<i>Full protocol launch, audits completed, developer SDK released</i>
Q1 2026	<i>Ecosystem expansion: zkML integrations, DAO governance infrastructure, agent integrations</i>

The **Vision**

Web3 cannot scale without programmable privacy.

Silensio enables decentralized organizations, contributors, and developers to operate with trust, confidentiality, and verifiability.

We are not building another app – we are building **the missing privacy infrastructure layer for the decentralized internet.**

Privacy moves from optional → **required** → fully composable and verifiable.