



**AI-Powered On-Chain Privacy Layer
for EVM Wallets**

W H I T E P A P E R

Introduction

Xyra is a transformative, AI-native privacy infrastructure that elevates every EVM-compatible wallet into an intelligent, self-sovereign fortress. Delivered as a seamless browser extension and web application, Xyra delivers one-click, AI-orchestrated privacy actions replacing today's fragmented, manual privacy tools with an autonomous on-chain guardian that protects value, strategy, and identity at scale.

The privacy market has already demonstrated explosive demand. Leading protocols have shielded billions in volume, while MEV extraction continues to erode user value at an industrial scale. Xyra sits at the perfect intersection of two of Web3's most powerful 2026 narratives — AI and privacy — delivering a product that is both immediately usable and positioned for multi-hundred-million-dollar market capitalization through recurring revenue, deflationary token mechanics, and deep network effects.

Xyra is non-custodial, chain-agnostic, and protocol-agnostic. It requires no new chain, no new wallet, and no technical expertise. It simply makes privacy effortless, intelligent, and institutional-grade.

The Problem

The permanent transparency of EVM blockchains presents a systemic risk to serious market participants, necessitating an evolution in how assets are managed. Current infrastructure fails to address several compounding vulnerabilities:

- **MEV & Front-Running:** Bots systematically extract value from the mempool, with tens of millions in documented profits extracted in short windows.
- **Wallet Clustering & De-anonymization:** Advanced analytics firms link addresses, trace funds, and map real-world identities with alarming precision.
- **CEX/KYC Contagion:** A single deposit to a regulated exchange can permanently attach an entire on-chain history to a verified identity.
- **Portfolio & Personal Exposure:** Visible large positions invite copy-trading, targeted attacks, and social engineering.

Existing privacy solutions have proven product-market fit through billions in shielded volume, yet they remain manual, protocol-specific, and inaccessible to the rapidly growing cohort of traders, DeFi investors, and institutions. This UX and intelligence gap is Xyra's multi-million-dollar opportunity.

The Solution

Xyra is the first AI-orchestrated privacy layer built on top of the existing EVM ecosystem. It acts as an intelligent co-pilot that analyzes risk in real time, designs optimal privacy strategies, and executes them with minimal user friction all while remaining fully non-custodial and trust-minimized.

Core Design Principles

- Fully non-custodial: users sign every transaction
- Chain- and protocol-agnostic: works across Ethereum, Base, Arbitrum, and all major EVM networks
- AI-first architecture: intelligence is the product, not a feature
- Compliance-ready: selective disclosure capabilities for institutional and regulated participants
- Protocol Interoperability: It integrates with Railgun, Hinkal, Firn, Fluidkey, and private RPCs without locking users into one

Technical Architecture

Xyra is deliberately an orchestration layer, not a new cryptographic primitive. It integrates battle-tested, audited protocols via SDKs and standard ABIs. This approach delivers enterprise-grade security, rapid development, and minimal attack surface

Layer	Technology	Notes
Frontend	Next.js + React + Wagmi	Web app + Chrome extension from same codebase
Wallet connection	WalletConnect v2 + Ethers.js / viem	Read-only for audit; sign mode for actions
Data indexing	Alchemy	Tx history anonymized before AI processing
AI engine	Advanced Analysis Module	Privacy scoring, routing logic, NL assistant
Privacy integrations	Railgun SDK, EIP-5564	Pre-built ABIs; no custom ZK circuit work needed
Private RPCs	bloXroute, Shutter Network, Flashbots Protect	MEV-protected transaction submission
Smart contract	ERC-20	Token + revenue share; no audit required for MVP
Deployment	Vercel + IPFS + Chrome Web Store	Decentralized front-end available via IPFS for trust

Roadmap

Xyra is executing at pace:

Phase 1: Privacy score engine, read-only wallet audit, private portfolio dashboard

Phase 2: One-click obfuscation routing, stealth address generation, Railgun SDK integration

Phase 3: Full browser extension, real-time guardian, and natural language assistant

Phase 4: Enterprise white-label, advanced AI agent capabilities, and global expansion

Monetization Framework:

Revenue Stream	Description
Free tier	Basic privacy score + single-wallet audit. Drives top-of-funnel and token awareness.
Pro subscription	Full AI routing engine, agent mode, unlimited stealth addresses, cross-chain support.
Pay-per-audit	One-time deep wallet analysis. Captures users who don't need ongoing monitoring.
Protocol routing fee	Volume/referral fee from Railgun and partner protocols for transactions routed through Xyra. Scales passively with usage and requires no user friction.
Enterprise/white-label	Privacy tooling for DAOs, trading firms, and institutional DeFi participants. Custom integrations and compliance reporting.

Competitive Analysis:

Product	AI-Native	UX Quality	Multi-Protocol	Gap vs Xyra
Railgun / Anon Wallet	No	Low	No (Railgun only)	Protocol-locked, no AI routing or risk scoring
Hinkal Wallet	Rule-based	Medium	Hinkal-focused	No adaptive AI, no cross-protocol orchestration
Fluidkey	No	Medium	No	Stealth addresses only, no routing intelligence
Pocket Universe	Partial	High	N/A	Security focus only not privacy strategy
Xyra	Yes(core)	High	Yes (all major)	Full-stack AI privacy orchestration

Risk And Mitigation:

Risk	Likelihood	Mitigation
Regulatory pressure on privacy tools	Medium — increasing globally	Selective disclosure framing for compliance; design for OFAC-screened routing from day one
AI API costs at scale	Low — manageable with caching	Cache common patterns, run lightweight inference client-side, gate heavy AI behind paywall
Partner protocol exploit	Low — non-custodial design	Xyra holds no funds. UI clearly communicates all third-party protocol risks
Token launch underperforms	Mitigated by real revenue	Subscription business is fully standalone. Token launch is upside, not a survival dependency
Competitor copies the AI layer	Medium-term	First-mover advantage, brand trust in privacy space, and user data flywheel for ongoing model improvement

Market Validation Data

Data Point	Detail
Railgun shielded volume	\$4.5B+ total, \$1.6B in 2025 alone. TVL hovering around \$100M. 328 private transactions in a single day (early 2026 all-time high).
MEV extraction	~\$24M in MEV profit pulled from Ethereum in a single 30-day period (Dec 2025–Jan 2026). Sandwich attacks and front-running continue costing users at scale.
Privacy project ecosystem	Web3Privacy Now tracks 750+ active privacy-enhancing projects globally, showing deep ecosystem investment in the space.
Security extension adoption	Tools like Pocket Universe and Blowfish have strong organic adoption — proving users install lightweight extensions that protect their daily workflow.
Institutional demand	Institutions entering DeFi require “compliant privacy” (selective disclosure). This creates an enterprise market layer that existing tools don’t serve.

Market Opportunity & Competitive Landscape

Privacy is no longer niche, it is becoming table stakes for sophisticated on-chain participation. Railgun alone has processed over \$4.5 billion in shielded volume (\$1.6 billion in 2025), while MEV extraction continues at scale. Institutional capital entering DeFi demands compliant, selective-disclosure privacy tooling that current single-protocol solutions cannot deliver.

Xyra's AI orchestration layer creates a defensible moat that no protocol-specific competitor can replicate without rebuilding from scratch. As new privacy primitives emerge, Xyra simply integrates them becoming the default intelligence layer for the entire privacy stack.

The combination of recurring subscription revenue, volume-based fees, and a deflationary, yield-bearing token creates a flywheel capable of supporting a market capitalization well into the hundreds of millions as user growth and on-chain activity compound.

\$Xyra Tokenomics

\$XYRA is the utility and governance token powering the Xyra ecosystem. With a fixed total supply of 100,000,000 tokens, the tokenomics are designed for alignment, sustainable value creation, and long-term liquidity health - directly linked to product adoption and revenue.

Token Allocation Breakdown

Category	Allocation	Percentage
Liquidity (locked 1 year)	40,000,000	40%
Marketing & Growth	20,000,000	20%
Team / Advisors / Incubator	15,000,000	15%
Strategic Private Round	10,000,000	10%
NFT Holders Liquidity Pool	8,000,000	8%
Treasury / OTC	5,000,000	5%
Market Maker (MM)	2,000,000	2%

Total Supply: 100,000,000 \$XYRA (capped - no inflation or further minting)

Allocation Notes

- **Liquidity (40%):** Seeded across DEX/CEX pools to ensure deep, stable trading. Liquidity is locked for 12 months from TGE to protect holders and signal long-term commitment.
- **Marketing & Growth (20%):** Reserved for user acquisition, partnerships, KOL campaigns, listings support, and ecosystem growth initiatives.
- **Team / Advisors / Incubator (15%):** Allocated to the core team, advisors, and incubator partners. Subject to vesting to align incentives with long-term project success.
- **Strategic Private Round (10%):** Reserved for strategic investors and partners contributing capital, distribution, or technical leverage. Subject to vesting and lock-up terms.

- **NFT Holders Liquidity Pool (8%):** Dedicated allocation rewarding NFT holders through a community liquidity pool, deepening alignment between NFT and token communities.
- **Treasury / OTC (5%):** Held by the project treasury for operational runway, strategic OTC deals, and ecosystem partnerships.
- **Market Maker (MM) (2%):** Allocated to professional market makers to support orderbook depth, tight spreads, and healthy price discovery on listed venues.