Lucendex — The Execution Layer for XRPL

Deterministic. Non-Custodial. Institutional-Grade.

Building the missing **execution infrastructure** for the XRP Ledger.

Neutral layer — no token, no custody, no hype.

1. The Problem

- XRPL's built-in DEX is **fast** but not **institutional-grade**.
- ❌ No deterministic quote binding
- ❌ No multi-path routing across AMMs + orderbooks
- ❌ No circuit breakers or risk controls
- Wallets, funds & fintechs must reinvent infrastructure or use CEXs.
  - → Liquidity remains fragmented & untrusted.

2. The Solution — Lucendex

Lucendex = Deterministic, Non-Custodial Execution Layer

Think *"1inch + Fireblocks — for XRPL, without custody or tokens."*

- Deterministic routing, quoting, and settlement APIs

- Cryptographically bound quotes (price + route + TTL)

- Circuit breakers & sanity checks

- Non-custodial: user always holds keys

- Optional compliance hooks (KYC / audit)

3. Why Now

- XRPL accounts surpassed **7M+ (Sept 2025)**

- **Xaman (Xumm)** processed **$6B+** in payments (2024)

- **XLS-30 AMM** & sidechains are live

- CEXs still control XRPL price discovery — Lucendex decentralizes execution.

🕐 **Timing:** XRPL's institutional phase is starting — Lucendex becomes its execution backbone.

4. Market Validation

- **XRPL 30-day DEX volume:** ~$187M (DefiLlama, Nov 2025)

- Capturing **5% = $9M/month routed**
  → **$18K/month** revenue @ 0.2% fee

- RippleX DeFi roadmap (RWA, lending, compliance) = huge tailwind

- ⚡ No existing neutral routing layer on XRPL today

5. How It Works

Three-Step Flow:

1. **Quote:** Wallet requests → API finds optimal route → Returns cryptographically bound quote

2. **Sign:** User approves & signs transaction locally (non-custodial)

3. **Settle:** Transaction executes on XRPL → Route verified against quote hash

Key Components: Quote Engine • Route Finder (AMMs + Orderbooks) • Circuit Breakers • Compliance Hooks

6. Business Model

- Routing fee (bps on routed volume)

- Premium API tiers (funds, bots)

- Enterprise SDKs / white-label wallet modules

💰 **Break-even:** ~$1.25M monthly volume @ 0.2%

📈 **12-month goal:** $59M volume → ~$87K net profit

🧠 **Ops:** Fully automated via AI-Ops

7. Target Customers

🔐 Wallets

Pain: Manual routing, slippage risk

Solution: Deterministic API + revenue sharing

📊 Funds & Market Makers

Pain: Heavy infrastructure, non-deterministic execution

Solution: Low-latency quotes + fallback relays

🏛️ Custodians & Fintechs

Pain: Need compliant, non-custodial rails

Solution: Auditable + deterministic execution layer

8. Competitive Landscape

Native XRPL DEX

✗ No quote binding • ✗ Manual routing • ✗ No risk controls

Wallet DEXs (Xaman, GemWallet)

✗ UI-focused • ✗ Single-pool routing • ✗ Limited API access

Centralized Exchanges

✗ Custody risk • ✗ KYC friction • ✗ Exit liquidity control

Lucendex Advantage

✓ Deterministic quotes • ✓ Multi-path routing • ✓ Non-custodial

✓ Neutral infrastructure • ✓ Compliance-ready • ✓ No token speculation

9. Traction & Roadmap

MVP (Now): Quote engine • Router • Reference UI

Q1 2026: Wallet integrations (Xaman, GemWallet)

Q2 2026: Fund API sandbox • Compliance hooks

Q3 2026: Production API • Scale-out

Target: $50M+ volume • 2-3 partners • Compliance-ready

10. Vision

> "Lucendex is to XRPL what 0x became for Ethereum —
> a silent execution backbone behind every serious trade."

We aim to be the **auditable, deterministic routing layer**
powering every XRPL wallet, fund, and fintech.

11. The Ask

💵 **$500K Pre-Seed**

Use of Funds (12-month runway):

- **$350K Engineering:** Core team (2-3 Go developers) + security audits

- **$75K Infrastructure:** AWS, monitoring, 24/7 operations

- **$50K Go-to-Market:** Wallet integrations + institutional BD

- **$25K Legal/Compliance:** Framework + risk controls

Milestones: Production API • 2-3 live integrations • $50M+ routed volume

12. Contact

Lucendex Core Team

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Founder Bio

Alexander Alten-Lorenz — Founder & Architect

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Principal platform architect with 20+ years in decentralized systems, data platforms, and AI-Ops. Former **Cloudera** and **Allianz**, co-founder at **Scalytics**, and contributor at **Apache Wayang (ASF)**. Focused on zero-trust, deterministic design, and resilient execution infrastructure for XRPL.

Thank You

Lucendex — The Execution Layer for XRPL

Neutral, deterministic, non-custodial infrastructure for institutional DeFi.