

Luvion Labs

Post-Quantum Signing Infrastructure for Institutional Digital Assets

Company Profile | Public Overview

Luvion Labs builds post-quantum high-threshold MPC signing infrastructure for institutions securing high-value digital assets. The company helps RWA platforms, stablecoin issuers, custody platforms, treasury operators, and enterprise wallets strengthen signing governance, fault recovery, and long-term cryptographic resilience.

What We Build

Luvion is developing a signing infrastructure layer that combines high-threshold MPC, ML-DSA-based post-quantum cryptography, and recovery-oriented node architecture. The system is designed to support institutional signing workflows where signer concentration, operational failure, and future cryptographic migration are material security risks.

Who We Serve

- RWA platforms and tokenized asset issuers
- Stablecoin issuers and treasury operators
- Custody platforms and institutional wallet providers
- Enterprise digital asset infrastructure teams

Core Capabilities

- High-threshold MPC signing architecture
- Post-quantum ML-DSA signing path
- Node recovery, resharing, and failover design
- Institutional API / SDK integration path

Strategic Position

Luvion Labs operates at the signing control layer beneath institutional digital asset operations. Sui is the first ecosystem integration path; the broader market includes multi-chain custody, RWA, stablecoin, treasury, and enterprise wallet workflows.

Current Stage

The core Rust threshold-signing path has demo and benchmark evidence. Third-party audit is pending. The next execution phase focuses on audit readiness, production DKG hardening, authenticated transport, Sui testnet-grade Move / PTB integration, reliability reporting, and controlled institutional pilots.

Proposed Hong Kong business nature: Software development and technology consultancy.