



red·bridge: Bringing Zcash's Privacy to Every Platform

Executive Summary

red·bridge is a decentralized infrastructure project designed to bridge Zcash's premier privacy and selective disclosure features to the broader blockchain ecosystem in order to provide enterprises with the privacy services they need as they move on-chain. Leveraging a custom Avalanche L1 as its tooling, red·bridge enables secure, scalable value exchange, and then privacy-as-a-service for institutions, enterprises, and DeFi users on Ethereum and beyond.

The Problem and Opportunity

Current blockchain business transactions lack the feature set required for real-world application: the ability to maintain absolute privacy while selectively sharing data with privileged counterparties. This selective disclosure is essential for almost all real-world business transactions. Consider: compensation, vendor payments, invoices, M&A, loans, insurance, real estate transactions, leases, litigation settlements, royalties, licensing, investments, procurement bids, export/import, tax, franchise sales reports, confidential contracts, and more. **red·bridge** can address all of these by connecting the gold standard of privacy, Zcash, to high-traffic networks like Ethereum.

Core Technology and Business Model

- **Infrastructure:** Operates as an Avalanche L1 where *Guardian* validator nodes run both Avalanche and Zcash software to verify bridge transactions.
- **Utility Token (RBR):** Secured by the RBR staking token. 100% of bridge fees (0.15% per transaction) are distributed to RBR holders/validators.
- **Revenue Potential:** At a 25% market share (\$3.65B annual bridged volume), projected annual revenue is ~\$5.48M with an EBITDA of ~\$3.48M.
- **Scalability:** Vision to scale exponentially by adding Zcash virtual machines to the Avalanche L1, enabling parallel execution and subsecond finality. This will also allow for experimentation with real-world use of cutting-edge new features such as *Zcash Shielded Assets (ZSAs)* away from the Zcash mainnet itself.

Strategic Roadmap

Phase	Key Milestones
Q2 2026	Form RBR Association (completed); Launch RBR token; distribute RBR tokens to initial volunteer node operators; Mainnet Launch of red-bridge Oracle feature.
Q3 2026	RBR token airdrops to ZEC zodlers/whales and via PoW; incentivized testnet of bridging feature; RBR token sales via DEX; software audits by Least Authority and others.
Q4 2026	Mainnet Launch of red-bridge bridging feature; integrate ZODL Vault or other Zcash wallet; testnet of Avalanche L1 with Zcash VM and Halo2 eERC20 tech; software audits.
Q1 2027	Mainnet Launch of red-bridge Zcash VM feature; scale selective disclosure ZK circuits and ZSAs for business use cases.

Funding and Traction

The project has secured over \$400,000 in commitments from both Zcash Community Grants and the Avalanche Foundation. It is currently bootstrapping the newly-formed *RBR Association* (a Swiss *Verein*) with a request for donations by key Zcash-aligned organizations. We are also open to OTC token sales to angels and VCs.

Leadership and Advisory

- **Kit Sturgeon (CEO/CTO):** 13-year crypto veteran, zodler since 2017, and serial entrepreneur with 30 years in network security and software architecture.
- **Core Team:** Includes experts in senior software engineering, full-stack development, and product design with a track record of winning blockchain hackathons and deploying real-world software.
- **World-Class Advisors:** Dr. Matthew Green (Co-Founder of Zcash, Johns Hopkins Professor), George Howard (Serial founder, Newsweek entrepreneur of the year), and Francisco Gindre (Zcash Developer Relations).

Contact Information

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Forward-Looking Statements. This document contains forward-looking statements, including but not limited to projected launch timelines, expected fees, anticipated staking rewards, and cost estimates. These statements are based on current expectations and assumptions and are subject to risks, uncertainties, and changes. Actual results may differ materially from those expressed or implied. RED.DEV INC and RBR Association undertake no obligation to update forward-looking statements.

Risk Factors. Participation in the red-bridge network and holding RBR tokens involve significant risks, including but not limited to: (i) the risk that RBR tokens may have no value or liquidity; (ii) the risk of total loss of tokens due to smart contract and L1 software vulnerabilities, network attacks, or operational failures; (iii) regulatory risks, including the possibility that RBR tokens may be classified as securities in certain jurisdictions; (iv) technology risks, including that the red-bridge network may not launch or function as described; and (v) market risks, including volatility in cryptocurrency prices.

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