



The scalable and reliable blockchain for the next decade.

We are building the first scalable blockchain platform that supports cross-shard transactions natively.

In addition, we have a practical solution for developers to build large-scale dApps using our token/ data protocol and smart contract protocol.

The founder of Alephium proposed the first linear-time asynchronous Byzantine algorithm in 2015. Inspired by this work, he proposed another novel algorithm BlockFlow in 2017 to tackle the scalability problem.

Core Principles

For a practical chain

**Reliability**

Succinct and stable protocol **based on PoW + UTXO**

**Scalability**

Clear and **battle tested** scaling solution

**Market Fit**

Built for real needs & offering a **dApp solution for Bitcoin-like technology stack**

Technology Layers

Transversal solution

**Proof of Less Work**

Reduce the energy consumption of PoW by an arbitrary factor

**BlockFlow**

Complete sharding solution based on PoW + UTXO

**Smart Script**

Scalable and lightweight script compatible with Bitcoin for building dApps

Alpha Version

Functioning solution



- Alpha version tested on AWS achieving **10k TPS**
- Using only consumer-grade nodes
- Secure against 49% attack
- Permissionless like Bitcoin

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