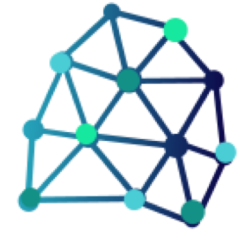


# SI-Chain.

Slovenian Blockchain infrastructure

Water and Cyber security - Protection of critical water-related infrastructure



**Hashnet**

# Blockchain potentials.

By providing a secure, transparent and distributed ledger to record transactions between parties, blockchain technology could fundamentally transform the way water resources are managed and traded.

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Harnessing blockchain capability could enable everyone from households, industry consumers, water managers and policymakers to access the same and secured data on water quality and quantity and make more informed decisions.

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Such transparency would help inform consumer decisions around when to conserve or use water. In turn, it could help prevent corrupt behavior in situations where there may be an incentive for local authorities to tamper with or withhold water quality data.

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# SI-Chain Concept.



## Key characteristics

- Blockchain network accessible to public and private subjects in Slovenia
- Infrastructure needed to provide blockchain based services
- Fast, secure, inexpensive, and compliant
- Readily available tools for users and developers

## Potential uses

- EBSI use cases: notarisation, self-sovereign identity, diploma verification and trusted data sharing
- Secure document exchange
- payments and securities
- IoT integration for Industry 4.0 uses
- Emissions Trading Systems and green investments
- Supply chain management and trade finance
- Healthcare record keeping
- Protection of critical water-related infrastructure

# SI-Chain Characteristic.



**Secure** - SI-Chain is a secure cryptographic platform with non-repudiation and privacy built in.



**Ubiquitous** - SI-Chain aims to be present to every SI subject.



**Fast** - with 50,000 TPS for complex smart contract transactions.



**Convenient** - SI-Chain infrastructure is easy to deploy, and applications are written in Solidity, the most used language for decentralised applications



**Resilient** - due to its distributed nature, SI-Chain is resilient to malicious actors and infrastructure malfunction.



**Flexible** - SI-Chain supports complex uses such as government identity, digital currency, and more.



**Cost-effective** - SI-Chain is based on a lightweight consensus protocol, ensuring near-constant costs for its users.



**Compliant** - SI-chain supports data privacy and secure sharing on an application level.

# SI-Chain Development.

## SI-Chain V1

Transaction testing

Performance measurement

Use case identification

First use case development

## SiChain V2

More complex use-cases

Expanding network

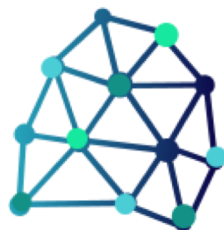
Integrations services and SDKs

## SiChain V3

Inter-chain connectivity

Public access

# Thank you !



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