



# ChainZ Blockchain

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## The Next EVERYTHING

ChainZ Blockchain-as-a-Service (BaaS) offers blockchain utilities as API's. Enabling you to build blockchain apps **QUICKLY, EASILY**, and at a **LOW COST**. Eliminates costly and time-consuming effort in developing and deploying traditional blockchain applications.

Joint Initiative



# How Blockchain Is Fundamentally Changing Every Facet of Our Society



## Eliminate Intermediaries

- Auto execution of transactions/contracts without third parties.
- Disintermediation of financial transaction
- Irreversibility offers superior security to traditional contract
- Lower cost, better compliance



## Inherent Trust

- Reduce the overhead of reviews and approvals in a networked processes
- Trusted data to reduce the cost of certification, quality control and verification



## Information Sharing

- Identity & access management of digital assets etc.
- Securely and selectively share information
- improved visibility and traceability between parties.

## Blockchain Key Characteristics

The fundamental characteristics of blockchain lends itself well to many potential transformations for enterprise business processes



Encrypted



Decentralized



Anonymity



Distributed Ledger



Trust



Digital Key



Transparent



Immutable

## Momentum

- 10% of GLOBAL GDP expected to be on Blockchain – The 'World Economic Forum'
- By 2025, 55% of healthcare applications will have adopted blockchain for commercial deployment.
- There are 83,434,000 total blockchain wallet users as of July 15, 2022.
- By 2022, worldwide spending on blockchain solutions will reach \$11.7 billion.
- 70+ countries are exploring CBDC (central bank digital currency)
- The global blockchain market will be worth \$1,431.54 billion by 2030, growing at a CAGR of around 85.9% from 2022–2030.

## Understanding The Paradigm Shift



A blockchain is a form of record-keeping distribution within a decentralized digital ledger that is secured by hash encryptions.

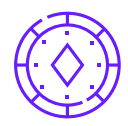


Composed of three main parts, the previous hash, the transaction information, and the next blocks hash, all parts connected generate a 'block'



After a transaction occurs, whether it be an asset, money, or shares, the transaction is verified, and then generated into a block.

# ChainZ Platform



**Token:** Issue tokens and form a token economy



**Identity authentication:** Decentralized self-sovereign identity authentication



**Key Management:** Secure recovery in the event of user key loss/leakage



**Document Management:** Proof of authenticity/time stamping of document



**NFT:** Support NFT issuance/transaction



**Data Tracing:** Trace and share data creation, transfer, and track change history

Digital currency/  
donations

Points/  
Rewards

Logistics/  
Distribution

Proof of  
document  
authenticity

Data history  
tracing

e-Certificate

ChainZ  
Utility

NFT

DID

Proxy Key

Document

Token

Data  
Tracing

## ChainZ Platform

Block Explorer

Node Monitoring

Log Monitoring

Middleware

HYPERLEDGER  
BESU

MULTI-CLOUD



ON-PREMISE





# ChainZ – Blockchain-as-a-Service



## Easy Adoption

- Simplified development and easy deployment of blockchain applications using value-added specialized APIs
- Eliminates technical hurdles in blockchain



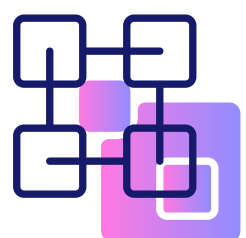
## Rich APIs

- A range of diverse and flexible APIs suitable for complex business requirements
- SDK to support mobile DApp development



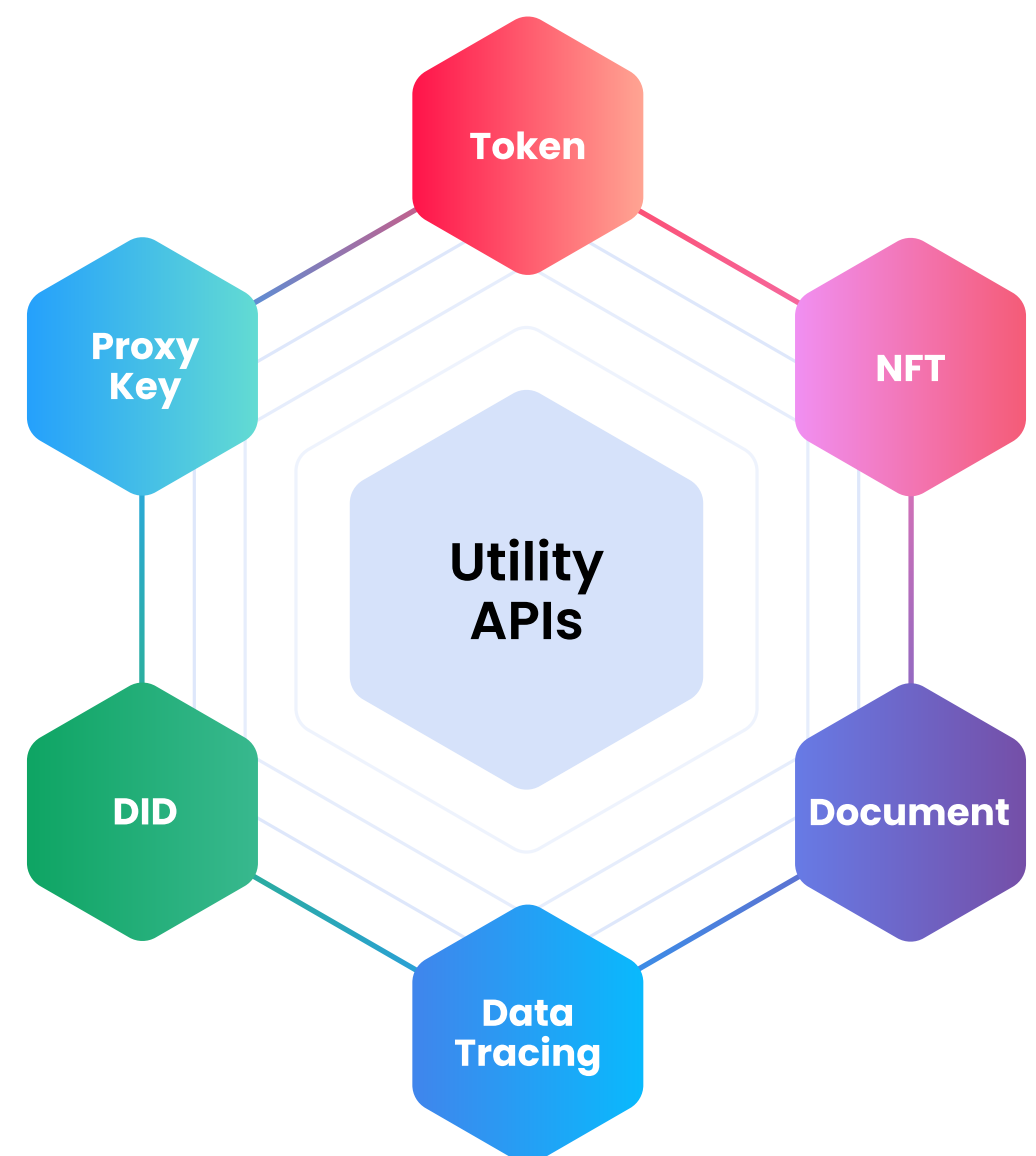
## Reliable processing

- Advanced overload protection technology to reliably handle large volumes of traffic
- Secure account key management



## Highly scalable and interoperable

- Provides multi-chain interface for HyperLedger and Ethereum-based blockchains
- Scale-out structure based on usage

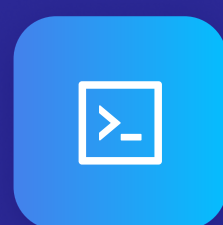


## Our Methodology



### Opportunity Assessment

Identify key use cases where blockchain can be applied



### Process Analysis, POCs / Pilots

Develop solution to showcase potential value



### Minimum Viable Solution

Implement a solution that can also lay the foundation for other use cases



### Continuous Development

Enhance the solution and expand the usage of Blockchain



# Case Studies

## e-Doc Management

Optimized e-Doc service that guarantees authenticity and integrity of the public-sector procurement documents using blockchain.

### Solution

- Built on the private Multichain platform, which provides functionalities to create, manage and share e-Docs in a typical enterprise landscape
- Segment of the business process with the pain points around data quality in the e-Doc's lifecycle identified and the business value realized by the solution is evaluated

### Key Benefits

- Business rules in Smart Contracts eliminate some of the processing procedures in the workflow
- Streamlined transfer and visibility of information across all the participants involved
- Prevent forgery/falsification of submitted documents, reuse documents submitting for other contracts.

## Green Initiative

Carbon Emission Reduction and promoting health with a social media flavorю

### Solution

- Personal wallet creation / management and rewards based on blockchain technology
- Rewards earned for use of stairs, walking, biking, reusable mug / tumbler, duplex printing, carpooling, waste battery collection, low carbon diet, community service, saving on heating and cooling, turn off the light
- The platform leverages a mobile app with decentralized ledger technology on the backend to overcome many challenges of data collection and authentication

### Key Benefits

- Engages employees to participate in solving everyday social problems
- Action-based rewards points with effective motivation such as rewards
- Encourages habituation of green and healthy practices

## Leveraging Influencer Fandom To Increase Market Share

Influencers publish NFT content for small business owners while users trade review content of their favorite influencers. Small business owners gain the advantage of marketing buzz that can increase revenue.

### Solution

- NFT-based review content platform
- Caters to NFT issuance by Influencer
- Enable Users to transact NFT, store and verify NFT.
- Enables small biz to settle royalty with Influencer

### Key Benefits

- Collaborative marketing enables improved efficiency and reduced cost and time
- Provide immutable history to all entities in the ecosystem across the transactions
- Ensure visibility, velocity, and equitable recognition for all participants

## About SK

SK Group is the second largest South Korean conglomerate behind Samsung Group. SK Group comprises 186 subsidiaries focused on semiconductors, telecom, energy, logistics, and life sciences. With over \$158 billion in combined revenue, it has featured in the Fortune Global 100 list. Three of SK's operating companies, SK Hynix, SK Innovation, and SK Telecom are industry leaders in their respective domains. SK is one of the most highly respected brands in Korea.



## About Innoflexion

Innoflexion is a leading Silicon Valley software services and product engineering company having operations across USA, Ukraine & India. Our agile approach and customer-first mindset are our key differentiators. As a trusted technology & innovation partner, we offer our IPs and framework as table stakes enabling startups and large enterprises to develop cutting-edge products and solutions faster and at lower costs.

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