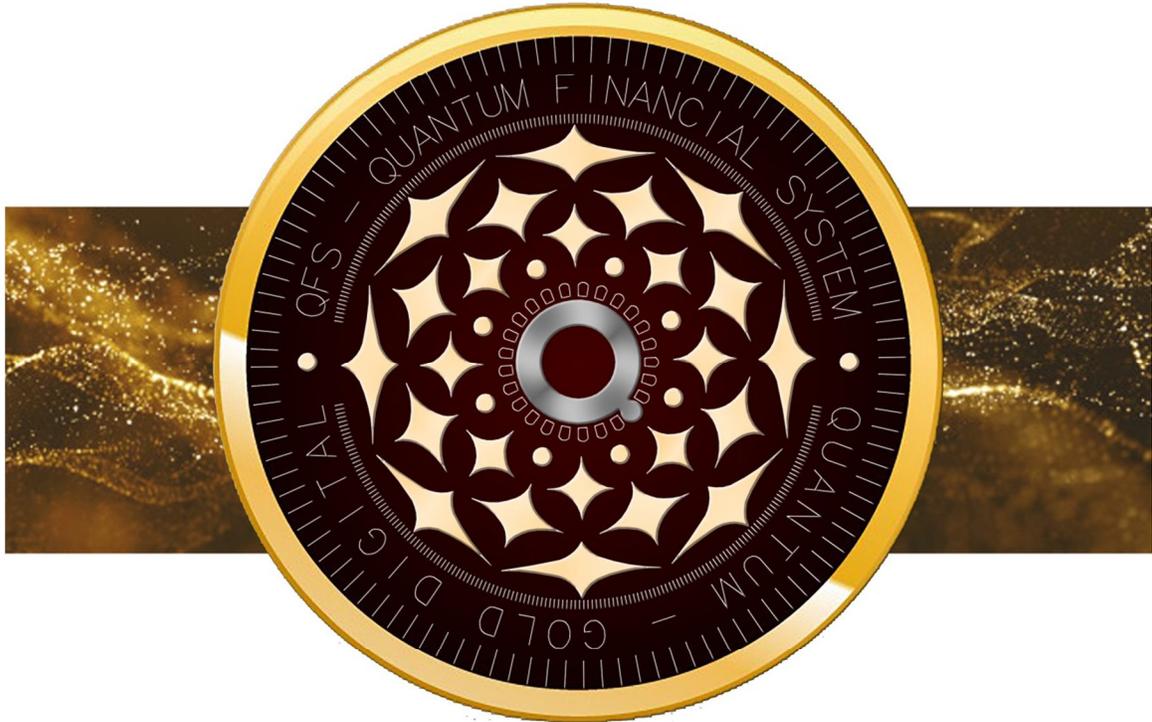


White book

QUANTUM-GOLD DIGITAL (Q-GOLD)



Q - G O L D

QUANTUM - GOLD DIGITAL



Website: <https://qgold.asia/>

<https://bscscan.com/token/0x6c09bb7b24d950a7ab6b1654a9c74a6284098901>

JULY 23, 2022

QUANTUM-GOLD DIGITAL (Q-GOLD)

A distributed network for Environmental Investment Project Development Tool, humanitarian community

Design goal of QUANTUM-GOLD DIGITAL (Q-GOLD): A tool to develop environmental investment projects, humanitarian communities

QUANTUM-GOLD DIGITAL (Q-GOLD) is the use of blockchain technology and digital identity to digitize assets, using smart contracts to self-manage digital assets, in order to achieve "Technology". environmental investment project development tool, humanitarian community" with a distributed network.

Digital Assets

Digital assets are programmable assets that exist in the form of electronic data. With blockchain technology, the digitization of assets can be decentralized, trusted, traceable, highly transparent and without intermediaries. On the QUANTUM-GOLD DIGITAL (Q-GOLD) blockchain, users can register, trade and circulate a variety of assets. It is possible to demonstrate the connection between digital and physical assets through digital identity. Assets registered through authenticated digital identities are protected by law.

QUANTUM-GOLD DIGITAL (Q-GOLD) has two forms of digital assets: global assets and contract assets. Global assets can be recorded in the system space and can be determined by all smart contracts and customers. Contract assets are recorded in the smart contract's private storage area and require a compatible client to recognize them. Contract assets can adhere to certain standards to achieve compatibility with most customers.

Digital identity

Digital identity refers to identifying information of individuals, organizations and other entities that exists in electronic form. A more mature digital identity system based on the PKI (Public Key Infrastructure) BINANCE SMART CHAIN(BSC BEP-20) standard. In QUANTUM-GOLD DIGITAL (Q-GOLD), we will implement a set of digital identity standards that are compatible with BINANCE SMART CHAIN(BSC BEP-20). This set of digital identity standards, in addition to the compatible BINANCE SMART CHAIN(BSC BEP-20) level certification model, will also support the Web Of Trust point-to-point certification model. Our identity verification when issuing or using a digital identity includes the use of facial features, fingerprints, voice, SMS and other multi-factor authentication methods. At the same time, we will also use the blockchain to replace the Online Certificate State Protocol (OCSP) to manage and record the BINANCE SMART CHAIN (BSC BEP-20) Certificate Revocation List.

Smart contract

Smart contracts were first proposed by cryptographer Nick Szabo in 1994, just five years after the creation of the World Wide Web. As defined by Szabo: When a pre-programmed condition is triggered, the smart contract executes the corresponding contract terms. Blockchain technology provides us with a highly reliable, tamper-proof, decentralized system in which smart contracts are very useful. QUANTUM-GOLD DIGITAL (Q-GOLD) has an independent smart contract system: QUANTUM-GOLD DIGITAL (Q-GOLD)Contract.

The QUANTUM-GOLD DIGITAL (Q-GOLD)Contract smart contract system is the biggest feature of the seamless integration of the existing developer ecosystem. Developers do not need to learn a new programming language but use C#, Java and other mainstream programming languages in their familiar IDE environment (Visual Studio, Eclipse, etc.) to develop, debug and compile smart contracts. The universal lightweight virtual machine of QUANTUM-GOLD DIGITAL (Q-GOLD), QUANTUM-GOLD DIGITAL (Q-GOLD)VM, has the advantages of high ruggedness, high concurrency, and high scalability. The QUANTUM-GOLD DIGITAL (Q-GOLD)Contract smart contract system will allow millions of developers around the world to rapidly implement the development of smart contracts. QUANTUM-GOLD DIGITAL (Q-GOLD)Contract will have a separate white paper describing the implementation details.

Applications and Ecosystem

The ecosystem is the lifeblood of the open source community. To achieve the goal of a smart economic network, QUANTUM-GOLD DIGITAL (Q-GOLD) will commit to develop its ecosystem, provide complete development tools, improve financial development materials, organize educational and training activities, and provide financial support. We plan to support the following QUANTUM-GOLD DIGITAL (Q-GOLD)-based applications and ecosystems, and reward improvements to the design of the experience;

- Node program

- A fully functional button PC program
- A lightweight button PC program with better user experience
- Web/Android/iOS App Doesn't Need to Sync With Blockchain Hardware Wallet

◆ Blockchain Explorer

◆ SDK Development Kit

- Support Java/Kotlin, .NET C#/VB, JavaScript/Typescript, Python, Go, Smart

◆ Contract Compiler and IDE Plugin

- C#/VB.Net/F#, Visual Studio
- Java/Kotlin, Eclipse
- C/C++/GOOD
- JavaScript/TypeScript
- Python/Ruby

◆ Decentralized Application

- smart fund
- Legal Smart Contracts powered by AI
- Social Network
- Automated Token Liquidity Provider
- Decentralized Exchange

- Secure communication protocol
- Data Exchange Market
- Market for buying and selling intellectual property
- market prediction
- advertising market
- hash power market
- market QUANTUM-GOLD DIGITAL (Q-GOLD)

Management model QUANTUM-GOLD DIGITAL (Q-GOLD)

Economic model

QUANTUM-GOLD DIGITAL (Q-GOLD) has two native tokens, QUANTUM-GOLD DIGITAL (Q-GOLD) (abbreviated as QUANTUM-GOLD DIGITAL (Q-GOLD)) and QUANTUM-GOLD DIGITAL (Q-GOLD)Gas (abbreviated as GAS).

QUANTUM-GOLD DIGITAL (Q-GOLD), with a total of 1,357,903,690Q-GOLD tokens, represents the right to manage the network. Management rights include voting for accounting books, changing network parameters QUANTUM-GOLD DIGITAL (Q-GOLD), etc. Minimum unit of QUANTUM-GOLD DIGITAL (Q-GOLD) is 0.000000000000000000 1 and divisible . small tokens.

QUANTUM-GOLD DIGITAL (Q-GOLD) is a cryptocurrency, deployed on Binance Smart Chain(BSC BEP-20)

Contract: 0x6c09bb7b24d950a7ab6b1654a9c74a6284098901

Date Deployed:	Jul-11-2022 10:01 GMT
Total Supply:	1,357,903,690Q-GOLD
Circulating Supply:	1,357,903,690Q-GOLD
Decimals:	18

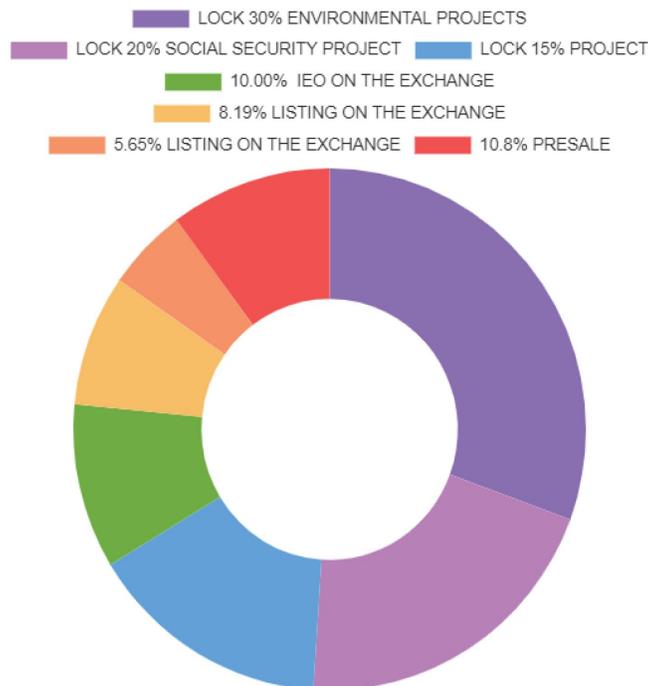
With a maximum total limit of: 1,357,903,690Q-GOLD . The QUANTUM-GOLD DIGITAL (Q-GOLD) network charges for the operation and storage of tokens and smart contracts,

In the root block of the network QUANTUM-GOLD DIGITAL (Q-GOLD), 1,357,903,690Q-GOLD QUANTUM-GOLD DIGITAL (Q-GOLD) is generated, GAS has not been generated yet. 1,357,903,690Q-GOLD GAS, corresponding to 1,357,903,690Q-GOLD QUANTUM-GOLD DIGITAL (Q-GOLD), will be generated through a decay algorithm over a period of 22 years to settle the holding of QUANTUM-GOLD DIGITAL (Q -GOLD).

The QUANTUM-GOLD DIGITAL (Q-GOLD) network will set a threshold by voting to exempt GAS from a certain number of transfer transactions and smart contract activity to enhance the user experience. When a large amount of garbage transactions occurs, the QUANTUM-GOLD DIGITAL (Q-GOLD)ID can be used to prioritize transactions and smart contracts with qualified identities.

Distribution mechanism

Distribution QUANTUM-GOLD DIGITAL (Q-GOLD):



1,357,903,690Q-GOLD tokens of QUANTUM-GOLD DIGITAL (Q-GOLD) are divided as shown .

The second part is the QUANTUM-GOLD DIGITAL (Q-GOLD) lock managed by the QUANTUM-GOLD DIGITAL (Q-GOLD) Council to support the development, operation and maintenance and long-term ecosystem of QUANTUM-GOLD DIGITAL (Q-GOLD). QUANTUM-GOLD DIGITAL (Q-GOLD) in this section has a lock period of 1 year and can only be unlocked after October 16, 2023. This section will not participate in the exchange and is only for long-term support for QUANTUM-GOLD DIGITAL (Q-GOLD) projects. The plans for it are as follows: 10% total will be used to promote QUANTUM-GOLD DIGITAL (Q-GOLD) developers and QUANTUM-GOLD DIGITAL (Q-GOLD) Council members.

- ◆ Total 10% will be used to promote developers in the QUANTUM-GOLD DIGITAL (Q-GOLD) ecosystem

- ◆ A total of 15% will be used for cross-investing in other blockchain projects, owned by the QUANTUM-GOLD DIGITAL (Q-GOLD) Council and used only for QUANTUM-GOLD DIGITAL projects (Q-GOLD)

- ◆ 15% total will be kept for backup

- ◆ In principle, the annual use of QUANTUM-GOLD DIGITAL (Q-GOLD) should not exceed 15%

governance mechanism

Chain Governance: The holder of the QUANTUM-GOLD DIGITAL (Q-GOLD) token is the owner and manager of the network,. QUANTUM-GOLD DIGITAL (Q-GOLD) tokens can be transferred.

Off-chain governance: The QUANTUM-GOLD DIGITAL (Q-GOLD) board consists of the founding members of the QUANTUM-GOLD DIGITAL (Q-GOLD) project, under which the management committee, technical committee and secretariat responsible for strategic decision making, technical decision making, and implementation in turn. The

QUANTUM-GOLD DIGITAL (Q-GOLD) Council is responsible to the QUANTUM-GOLD DIGITAL (Q-GOLD) community for the promotion and development of the QUANTUM-GOLD DIGITAL (Q-GOLD) ecosystem as the main goal of the company. it.

Implementation of QUANTUM-GOLD DIGITAL (Q-GOLD) technology

Consensus mechanism: dBFT

Holders of the QUANTUM-GOLD DIGITAL (Q-GOLD) token can, by voting, choose which accountants it supports. The chosen accounting team, through the BFT algorithm, reaches consensus and generates new blocks. Voting in the QUANTUM-GOLD DIGITAL (Q-GOLD) network continues in real time, rather than by a fixed deadline.

dBFT provides fault tolerance $f = (n-1)/3$ for a consensus system consisting of n consensus nodes. This fault tolerance also includes security and availability, is resistant to generic and Byzantine failures, and is suitable for any network environment. dBFT has good finality, meaning that after the confirmation is final, the block cannot be forked and the transaction will not be revoked or rolled back.

dBFT incorporates digital identification technology, meaning the bookkeeper can be the real name of the individual or organization. Therefore, it is possible to blockade, revoke, inherit, revoke and transfer ownership rights due to judicial decisions over them. This facilitates the registration of compliant financial assets in the QUANTUM-GOLD DIGITAL (Q-GOLD) network. The QUANTUM-GOLD DIGITAL (Q-GOLD) network plans to support such operations as needed.

Smart contract system: QUANTUM-GOLD DIGITAL (Q-GOLD)Contract

What is Binance Smart Chain?

QUANTUM-GOLD DIGITAL is a decentralized financial payment network that rebuilds the traditional payment stack on the blockchain. It utilizes a basket of fiat-pegged stablecoins, algorithmically stabilized by its reserve currency Q-GOLD, to facilitate

programmable payments and open financial development. As of December 2020, the network has transacted an estimated \$299 billion for over 2 million users.

The smart contract system of QUANTUM-GOLD DIGITAL (Q-GOLD) consists of three parts:

QUANTUM-GOLD DIGITAL (Q-GOLD)VM - Versatile Blockchain Virtual Machine:

QUANTUM-GOLD DIGITAL (Q-GOLD)VM is a lightweight, general-purpose virtual machine, architecturally very close to the JVM and .NET Runtime, similar to a virtual CPU that reads and executes contract instructions in sequence, implement process control based on the function of command operations, logic operations and so on. It has good startup speed and flexibility, which is great for small programs like smart contracts, can also be ported to non-blockchain systems or integrate with IDEs for a development experience. Optimal. The functionality of QUANTUM-GOLD DIGITAL (Q-GOLD)VM can be extended, such as the introduction of a JIT (real-time compiler) mechanism, thereby improving deployment efficiency.

InteropService - Interoperable Service:

Used to load blockchain ledgers, digital assets, digital identities, persistent storage pools, QUANTUM-GOLD DIGITAL (Q-GOLD)FS and other basic services. They are like virtual machines provided for virtual machines, allowing smart contracts to access these services at runtime to achieve some advanced functionality. Through this low coupling design, QUANTUM-GOLD DIGITAL (Q-GOLD)VM can be ported to any blockchain or even non-blockchain system used, increasing the utility of smart contracts. .

DevPack - Compiler and IDE plugin:

DevPack includes a high-level language compiler and an IDE plug-in. Since the architecture of QUANTUM-GOLD DIGITAL (Q-GOLD)VM is very similar to that of the JVM and .NET Runtime, compilers in DevPack can compile Java and .NET MSIL bytecode into QUANTUM-GOLD DIGITAL (Q) instruction set. -GOLD)VM. Java/Kotlin, C# developers don't need to learn a new language and will be able to immediately start developing smart contracts in VS, Eclipse, and other familiar IDE environments. This greatly reduces the learning curve for smart contract development, allowing us to easily build a vibrant community around QUANTUM-GOLD DIGITAL (Q-GOLD)Contract.

QUANTUM-GOLD DIGITAL (Q-GOLD)Contract can generate smart contract call tree through static analysis before running smart contract. Through a deterministic call tree, the QUANTUM-GOLD DIGITAL (Q-GOLD) node can automatically shard smart contracts to achieve theoretically unlimited scalability, which helps to overcome the "cause effect" noise" caused by static fragmentation of other blockchain systems.

Cross-chain interoperability agreement: QUANTUM-GOLD DIGITAL (Q-GOLD)X

QUANTUM-GOLD DIGITAL (Q-GOLD)X is a protocol that implements cross-chain interoperability. QUANTUM-GOLD DIGITAL (Q-GOLD)X is divided into two parts: "cross-chain asset exchange protocol" and "cross-chain distributed transaction protocol".

Cross-chain asset exchange agreement:

QUANTUM-GOLD DIGITAL (Q-GOLD) has been extended on top of existing dual-chain atomic asset exchange protocols to allow multiple participants to exchange assets on different chains and to ensure that all the steps in the entire transaction process succeed or fail together. To do this, we need to use the QUANTUM-GOLD DIGITAL (Q-GOLD)Contract function to create a contract account for each participant. If other blockchains are not compatible with QUANTUM-GOLD DIGITAL (Q-GOLD)Contract, they can be compatible with QUANTUM-GOLD DIGITAL (Q-GOLD)X as long as they can provide smart contract functionality simple.

Cross-chain distributed transaction protocol:

Cross-chain distributed transactions means that multiple steps of a transaction are scattered across different blockchains and ensures the consistency of the entire transaction. This is an extension of the cross-chain asset exchange, extending the behavior of the asset exchange to arbitrary behavior. In colloquial terms, QUANTUM-GOLD DIGITAL (Q-GOLD)X can create cross-chain smart contracts where a single smart contract can execute different parts on multiple chains, succeeding or completing whole raw. This offers great possibilities for cross-chain collaboration and we are exploring cross-chain smart contract application scenarios.

Distributed Storage Protocol: QUANTUM-GOLD DIGITAL (Q-GOLD)FS

QUANTUM-GOLD DIGITAL (Q-GOLD)FS will serve as one of the InteropService interoperable services in the QUANTUM-GOLD DIGITAL (Q-GOLD)Contract system, allowing smart contracts to store large files on the blockchain and set the permissions for those files. In addition, QUANTUM-GOLD DIGITAL (Q-GOLD)FS can be combined with digital identity so that digital certificates used by digital identity can be assigned, sent and revoked, without the need for a central server to manage them. In the future, stale block data can be stored in QUANTUM-GOLD DIGITAL (Q-GOLD)FS so that most full nodes can release stale data for better scalability, while ensuring preserve the integrity of historical data.

Anti-quantum cryptographic mechanism: QUANTUM-GOLD DIGITAL (Q-GOLD)QS

The emergence of quantum computers poses a major challenge to RSA and ECC-based encryption mechanisms. Quantum computers can solve a large number of analytical problems (on which RSA is based) and discrete logarithms of elliptic curves (on which ECC is based) in a very short time. QUANTUM-GOLD DIGITAL (Q-GOLD)QS (Quantum Secure) is a lattice-based encryption mechanism. Currently, quantum computers are not capable of quickly solving the Shortest Vector Problem (SVP) and the Nearest Vector Problem (CVP), which is considered the most reliable algorithm against quantum computers.

Summary

QUANTUM-GOLD DIGITAL (Q-GOLD) is a distributed network that combines digital assets, digital identities and smart contracts and many other native technologies, as the infrastructure for the Project Development Tool. environmental investment project, humanitarian community of the future.

Our Development Roadmap

INVESTORS' RIGHTS CONNECTED TO ENVIRONMENTAL INVESTMENT PROJECTS, RESTAURANT, SUSTAINABLE AGRICULTURE ... WHEN HOLDING QUANTUM-GOLD DIGITAL (Q-GOLD)

Our main goal is to establish a Humane, Environmental, Social Security community, where Q-GOLD is evaluated as a tool to operate the community. Transparency in all funding and investments .

QUANTUM-GOLD DIGITAL Token and Q-GOLD price chart are available on. Q-GOLD is the BSC Token for PancakeSwap. This token uses BEP20 standart and it works on Binance Smart Chain. You can find the Token in the Q-GOLD BscScan page.

QUANTUM-GOLD DIGITAL Token was detected by all trackers at 2022, 12:15:22 PM. May 27, 2022

Plan to start PRESALE from the beginning of November 2022 to November 30, 2022 (Christmas time): The remaining quantity is not more than 5% of Q-GOLD.

Christmas 2022 LISTING QUANTUM-GOLD DIGITAL Token some centralized exchanges in the world.

Ready for IEO, ICO for investment projects and some 3rd party investment projects. The quantity of Q-GOLD depends on the needs of the investment projects in each phase.

Using QUANTUM-GOLD DIGITAL Token for the right historical mission for the purpose of Investment points for projects of Environment, Social Security, infrastructure ...

Establishing and expanding the Community of Environmental Investment, Social Security by System App.

2023

From the App and Web Investment platform, we will completely set up the servers of QUANTUM-GOLD DIGITAL Token

QUANTUM-GOLD DIGITAL (Q-GOLD)

Website: <https://qgold.asia/>

<https://bscscan.com/token/0x6c09bb7b24d950a7ab6b1654a9c74a6284098901>
