

Voxel Heritage NFT (VHN) White Paper

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Voxel Heritage Comm S.A.R.L

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1. Overview: Reconstructing the Heirloom Seal through Digital Twin Technology

This project begins with the digital reconstruction of the Heirloom Seal of the Realm (傳國玉璽), originally commissioned by Emperor Qin Shi Huang.

By applying digital twin technology, the physical form of the seal has been faithfully replicated using 10 billion voxels at ultra-high resolution—capturing both its structural precision and artistic value in the digital domain.

Just as the original Heirloom Seal exists as a singular historical artifact, the Voxel Heritage NFT Digital Twin Seal is also issued as a one-of-a-kind digital asset on the blockchain. Through this approach, the rarity and symbolic significance of this cultural treasure are preserved and continued within the digital realm.

The Voxel Heritage NFT (VHN) is "digital twin of the Heirloom Seal of the Realm," created based on the actual artifact, a world cultural heritage asset.

As the world's first digital twin of the Heirloom Seal, this next-generation project is designed as an NFT to establish unique digital ownership of global cultural heritage and to allow anyone to safely possess its value in a digital format.

Voxel Heritage NFT (VHN) protects the historical and cultural value of the *Heirloom Seal of the Realm* by creating the world's first digital twin of this national treasure.

This allows people around the world to collectively own fractionalized digital shares of the seal, while ensuring its permanent preservation in the digital domain.

Our ultimate goal is to protect and share the value of digital cultural heritage with a global audience.

A historical research paper on the Heirloom Seal has been officially registered for copyright by its author.

1.1 Project Overview

Voxel Heritage NFT (VHN) is a next-generation cryptocurrency project designed to protect the National Jade Seal, a world cultural heritage. It creates a unique digital twin of the National Jade Seal as a Voxel Heritage NFT, embodying its uniqueness through digital ownership, and enables secure trading accessible to everyone.

1.2 “The Digital Twin of the Heirloom Seal of the Realm” Special Project

The ‘Voxel Heritage NFT Digital Twin of the Heirloom Seal of the Realm’ owned by our company is independent of the actual physical Seal’s ownership rights. With the consent of the physical owner and the author of the related thesis regarding portrait rights and copyrights, we have created the ‘Voxel-Based Heritage NFT’ as the digital twin of the Heirloom Seal.

"Created a voxel-based heritage NFT."

→ This means that a digital cultural heritage asset was created using voxel modeling and minted as an NFT on the blockchain.

"Created a Voxel Heritage NFT."

→ This means that a piece of cultural heritage was recreated in voxel art form and minted as a unique NFT on the blockchain.

1.3 Exclusive Authority of the Heirloom Seal of the Realm

The ownership and value of the physical Heirloom Seal of the Realm rest solely with its current holder. Separate from those rights, the Digital Twin of the Heirloom Seal, created as a Voxel Heritage NFT, is an exclusive digital asset designed to share its symbolic and cultural value with the world.

1.3-1 Historical and Cultural Significance

The legendary **Heshibi jade** crafted by King Wen of Chu in 680 BC was later transformed into the **Heirloom Seal of the Realm** by Emperor Qin Shi Huang when he unified China in 221 BC. The seal was passed down for over a thousand years among Chinese emperors as a **symbol of imperial legitimacy and supreme authority**.

Historically, it played a pivotal role in major conflicts such as the **Chu–Han Contention**, the **Wang Mang usurpation**, the **Murong Jun incident**, and during the **Three Kingdoms period** involving warlords like **Cao Cao and Liu Bei**. The fierce battles over its possession mark it as a **legendary artifact**, believed to bestow **divine right and legitimacy to rule**—only those who held the seal could claim the title of Emperor (Son of Heaven).

The Heirloom Seal has long stood as a **powerful symbol of sovereign rule and political authority** throughout ancient Chinese history.

2. Historical and Cultural Background & Necessity

2.1 Disconnection Between World Cultural Heritage and Digitalization

2.1.1 Current State of World Heritage Sites

- As of 2025, there are approximately **1,154 UNESCO World Heritage sites**, many of which face significant preservation challenges due to **geopolitical conflicts**, **environmental factors**, and **resource limitations**.
- Ongoing threats such as **war**, **climate change**, and **urbanization** continue to cause physical damage, making **digital replication and documentation** an urgent need to preserve their original forms.

2.1.2 Digital Transformation Trends

- With the **Fourth Industrial Revolution**, new technologies such as **AR/VR**, **3D scanning**, and **NFTs** are being actively introduced in the fields of museum curation and cultural heritage preservation.
- Digitized cultural heritage assets are now being used for **virtual exhibitions**, **remote education**, and **online research**, generating **new forms of economic value**.
- The **digital restoration of world heritage** serves not only to conserve their original forms but also to **revitalize their economic potential** within emerging crypto-asset markets.

2.2 Historical and Cultural Significance of the “Heirloom Seal of the Realm”

- The **Heirloom Seal of the Realm** was not merely a tool for administrative authorization but a **sacred object symbolizing imperial legitimacy and divine authority**—the Seal of the Son of Heaven.
- Possession of the seal signified that the bearer was **recognized by Heaven** as the rightful emperor, granting them supreme political legitimacy. Throughout Chinese dynastic history, the seal played a critical role in **affirming the mandate to rule**.
- Therefore, transforming the Heirloom Seal into an NFT goes **beyond the digitalization of a cultural artifact**. It is a **pioneering project**—the first **Voxel Heritage NFT** that blends **historical storytelling** with **symbolic authority**, positioning itself as a **premium cultural heritage digital asset**.

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2.3 Project Necessity

2.3.1. Cultural Heritage Preservation

- Cultural heritage artifacts, such as royal seals from across the country, can be digitally preserved through high-resolution scanning and voxelization, allowing for appreciation and research without physically damaging the original artifacts.
- Permanent records on a blockchain-based ledger drastically reduce the risks of loss or tampering.

2.3.2. Economic Value Creation

- Through “Voxel Heritage NFT,” the rarity and value of world cultural heritage can be preserved while maximizing economic utilization.
- By issuing a limited number of NFTs, both corporations and investors can own and retain the value of digital heritage, creating new revenue models.

2.3.3. Global Accessibility

- Through the VHG platform, an online marketplace, and the Heritage Members Comm (HMC), anyone around the world can easily access, purchase, and trade these digital assets.
- With large-scale marketing and promotional campaigns leveraging Hollywood and global networks, the project aims to actively engage global culture enthusiasts and investors.

2.3.4. Integration with the Real Economy

- Voxel Heritage Group (VHG) plans to officially introduce **Heritage Coin (HC)** payments into global real estate projects (residential, commercial, apartment complexes, etc.) via its design and construction subsidiary, **Voxel Heritage Design and Construction Company**.
- VHG also plans to implement HC payments across global distribution and service sectors through the **Voxel Heritage Market**.
- This will serve as a groundbreaking example of integrating cryptocurrency into the real economy, maximizing its long-term practical utility.

3. Core Technologies and Features

3.1 3D Voxel Digitization Technology

3.1.1 Voxel Generation Process

① High-Resolution 3D Scanning

- Artifacts are scanned in 360 degrees using laser, optical, and photogrammetry techniques, achieving a precision of approximately $\pm 0.02\text{mm}$.
- Even the intricate patterns and color tones engraved on the surface of the royal seals are extracted as digital data.

② Data Segmentation

- The scanned 3D mesh is divided into approximately 640,000 surface sectors. Each sector is then reprocessed into a $25 \times 25 \times 25$ voxel grid, resulting in 10 billion voxels.
- This process produces an ultra-precise **digital twin of the national royal seals**.

③ IPFS-Based Distributed Storage

- The large-scale 3D data is stored in a decentralized manner using the InterPlanetary File System (IPFS), ensuring secure storage without relying on a central server.
- This minimizes the risk of data loss and protects against censorship.

3.1.2 Visualization Technology

- **Utilization of WebGL and Three.js:** Real-time 3D rendering is possible directly in a web browser without the need for additional installation.
- **Voxel Ownership Display:** The NFT owner of each voxel can be intuitively identified through a real-time user interface.
- **Virtual Exploration:** Users can rotate, zoom in, and zoom out on the entire digital twin of the royal seal to closely examine historical details such as engravings, carvings, and signs of wear.

3.2 NFT Integration

3.2.1 SPL Token Standard and Metaplex

- As our platform operates on the **Heritage Mainnet**, a custom-developed blockchain forked from **Solana**, we issue **Voxel Heritage NFTs** in compliance with the **SPL (Solana Program Library) token standard**.
- Through the **Metaplex protocol**, each voxel of the digital twin of the national royal seal is linked to an NFT, completing the **Voxel Heritage NFT** ecosystem.
- Metadata such as images, descriptions, and historical information is managed within the NFT structure.

3.2.2 Ownership and Transaction Automation

- **Smart contracts** automate the entire process—from NFT minting to trading and transfers—ensuring that all transactions are permanently recorded on the blockchain.
- Upon minting, a **proof of ownership certificate** is issued and sent directly to the holder’s digital wallet.

3.3 Heritage Mainnet Coin (HC) (Solana Fork) — Self-held

3.3.1 PoS Consensus Algorithm

- Adopts the Proof of Stake (PoS) method to enable high-performance, low-cost, and eco-friendly blockchain operation.
- Capable of processing over 50,000 transactions per second, efficiently handling large-scale NFT trading without any issues.

3.3.2 Security Strategy

- Regular Chaincode Audits: Smart contracts and node operations are regularly audited to detect vulnerabilities early.
- Multi-signature & Cold Storage: Core wallets are protected using multi-signature (Multi-sig) methods, and the use of offline hardware wallets (Cold wallets) reduces the risk of hacking.

3.3.3 NFT Management

- All nodes within the Heritage Mainnet Coin (HC) validate NFTs issued according to the SPL standard, and uniquely manage data through the Metaplex Metadata Program.
- The ‘Voxel Heritage NFT’ serves as a flagship example of Heritage Mainnet Coin (HC), representing a premium asset symbolizing the project.

3.4.1 UI and User Experience

① Intuitive Interface

- Designed with reference to existing cryptocurrency exchanges, allowing even beginners to easily adapt.
- Provides a comprehensive dashboard where users can view HC balances, NFT holdings, and transaction history at a glance.

② Multilingual Support

- Supports 48 major global languages including Korean, English, Chinese, and Japanese, enabling access for a broad international user base.

③ Mobile Optimization

- Dedicated iOS and Android apps allow users to trade anytime, anywhere.
- Includes security features such as fingerprint and facial recognition, as well as Google OTP login.

3.4.2 Trading Features

① Decentralized Exchange (DEX-VHG)

VHN provides integration with decentralized exchanges (DEX), allowing users to securely exchange various digital assets—including VHN, BTC, ETH, and USDT. This minimizes the risks associated with centralized exchanges and enhances the autonomy of trading.

② Smart Contract-Based Trading

VHN transactions are executed through smart contracts, enabling automated and trustless trading. When users buy or sell VHN, the smart contract automatically verifies conditions and executes the transaction. This eliminates the need for intermediaries while ensuring transparency, security, and speed.

③ P2P and OTC Trading

VHN supports Peer-to-Peer (P2P) trading, enabling users to trade directly with one another without relying on centralized platforms. This fosters a secure environment based on mutual trust. For large-volume trades, Over-The-Counter (OTC) trading is supported to prevent price volatility and to secure operating funds for the company. All OTC transactions are protected via smart contract-based escrow services.

④ NFT Trading and Auctions

The platform supports NFT-based asset trading, including auctions for NFTs such as historical artifacts and artworks. Through this, VHN enables a unique VHG platform for trading digital cultural assets and fosters a marketplace for distinctive digital collectibles.

⑤ Trading Fees and Price Adjustment Policy

Voxel Heritage Group (VHG) does not intervene in trading fees or price adjustments for Peer-to-Peer (P2P) transactions. The value of ‘Voxel Heritage NFTs’ is determined through communication and consensus among collectors. As a principle, the company does not interfere with global distribution or services related to these NFTs.

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⑥ Reporting and Auditing

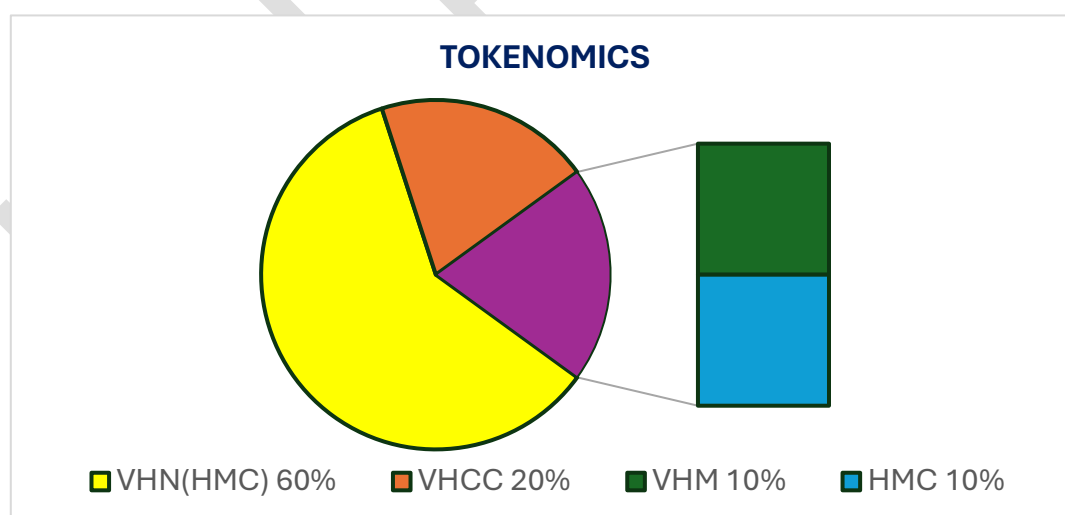
The VHN project ensures transparency for investors through regular quarterly audits and reporting. In addition, periodic disclosures of major security updates and vulnerability fixes are conducted to strengthen trust within the community.

4. Coin Distribution and Usage

4.1 Issuance

1. A total of **10 billion coins** have been issued on the **Heritage Mainnet**.
2. Among the Voxel Heritage NFTs, **10 billion NFTs** have been created on the **surface of the Digital Twin of the National Jade Seal**.
3. Among the Voxel Heritage NFTs, **150,280 NFTs** have been created **inside the Digital Twin of the National Jade Seal**.
 - *(The NFTs inside the Digital Twin of the National Jade Seal are reserved by the company and will be sold only when their value aligns with the externally traded NFTs.)*

4.2 Tokenomics(VHG - Voxel Heritage S.A.R.L)



- VHN : Voxel Heritage NFT
- VHCC : Voxel Heritage Construction company
- VHM : Voxel Heritage Market
- HMC : Voxel Heritage Construction company

(VHG) - Voxel Heritage Group (Voxel Heritage S.A.R.L)

(VHN) - Voxel Heritage NFT

(VHCC) - Voxel Heritage Construction company & Voxel Heritage Design

(VHM) - Voxel Heritage Market

(HMC) - Heritage Members Comm

4.3 Definition of Investment and Loan in Voxel Heritage NFT Operations

4.3-1. Loan

Less than 50% of the total 10 billion issued Voxel Heritage NFTs (VHN) may be used as **limited collateral** for the operation of **Voxel Heritage S.A.R.L.**

This limited collateral is subject to **limited liability** of up to **50% of the loan amount**.

(Note: The standard for sale is based on a transaction rate of $VHN = 1\ USD$.)

4.3-2. Investment

Less than 60% of the total 10 billion issued Voxel Heritage NFTs (VHN) may be used for **limited sale** to fund the operation of **Voxel Heritage S.A.R.L.**

This limited sale carries **limited liability** for up to **50% of the investment amount**.

(Note: The standard for sale is based on a transaction rate of $VHN = 1\ USD$.)

5. Ecosystem

“Through an ecosystem based on world cultural heritage and digital world cultural heritage, we build a global network to discover new cultural assets, reinterpret their value, and share them collaboratively.”

- The Voxel Heritage Group (VHG) ecosystem encompasses various components including the Heritage Mainnet, NFT issuance, the VH platform, VHN policies, HMC, Market, VHD, and VHCC, aiming to realize the economic value of both Voxel Heritage NFT (VHN) and Heritage Coin (HC) simultaneously as an integrated platform.

- To prevent speculation, Voxel Heritage NFT (VHN) allows up to 1,000 mintings per account, enabling everyone to share the value of digital world heritage.

- The Heritage Members Comm (HMC) plays a leading role in raising awareness of the invaluable significance of world cultural heritage and historical legacy. Through the operation of diverse educational programs and events, HMC provides an open platform where anyone interested in the preservation and promotion of cultural heritage can register as a member and actively engage in meaningful dialogue.

- Voxel Heritage NFT (VHN) adheres to a policy that does not support referral rewards or introduction fees.

- **Voxel Heritage S.A.R.L.** provides financial support for the discovery and preservation of underrecognized world

cultural heritage sites and is dedicated to effectively promoting their significance and value on a global scale.

- **Voxel Heritage NFT (VHN)** does **not support referral commissions**.
- The **Heritage Members Comm (HMC)** takes the lead in promoting the precious value of world cultural heritage and history. It organizes various educational programs and events, welcoming anyone interested in the preservation and promotion of world heritage to join and participate as members.
- **Voxel Heritage S.A.R.L.** supports the necessary funding to **discover and reveal hidden world cultural heritage** to the public.

5.2 Components

5.2.1 Digital Twin Technology

- By 3D scanning and voxelizing cultural artifacts from around the world, users can appreciate, study, and trade them online without the risk of physical damage.

5.2.2 VHN Policy

- **Voxel Heritage NFTs** (e.g., the National Jade Seal) are designated as **VHN**, with the aim of maintaining a value equivalent to **1 USDT per voxel**.
- A USDT reserve fund established by the company supports insurance and financial policies to maintain a degree of stability despite market volatility.
- **Price Stability and Balance Adjustment:** To manage market fluctuations, the circulation of VHN is adjusted periodically to maintain value balance and ensure stability.
- **Partnerships and Corporate Collaboration:** VHN can be used in special programs involving exchanges and companies through partnerships within and beyond the VHN ecosystem. This expands VHN's utility beyond value preservation within the ecosystem, positioning it as an interoperable currency.
- **Benefits for VHN Holders:** VHN holders receive various privileges, including priority participation in VHN-related community activities, cultural events, and special projects.

5.2.3 Community (Heritage Members Community, HMC)

- The community brings together a diverse group of stakeholders—historians, artists, investors, and general users—to share information, propose projects, and conduct on-chain voting.
- A wide range of community-driven activities are possible, including academic research, exhibitions, and donation campaigns utilizing Voxel Heritage NFTs.

5.3 Global Expansion Plan

Establishment of a Luxembourg Corporation

Voxel Heritage Group has established its headquarters in Luxembourg, a crypto-friendly jurisdiction, to ensure agile compliance with international regulations and to strategically position itself for expansion into the European market.

Integration with the Real Economy

In partnership with Voxel Heritage Design & Construction Company, VHG is pioneering the adoption of Heritage Coin (HC) as an official payment method across global real estate projects, including residential, commercial, and apartment developments, thereby driving the convergence of cryptocurrency and the tangible economy.

Collaboration with Global Community Projects

To accelerate widespread cryptocurrency adoption, VHG actively promotes the utilization of Heritage Coin (HC) within global community-based initiatives, targeting diverse applications such as membership programs and digital marketplaces.

5.4 Initial Marketing Through Hollywood Network

- **Star Marketing:** Famous actors, singers, and producers will unbox or showcase their ownership of Voxel Heritage NFTs on social media to generate public interest and buzz.
- **Film & Documentary Collaborations:** Voxel Heritage NFTs can be used as actual props or digital assets in the planning and production of historical documentaries and films set in eras such as the Three Kingdoms or the Warring States period.
- **Participation in Global Expos and Conferences:** By exhibiting and promoting Voxel Heritage NFTs at blockchain events, film festivals, and art expos, the project aims to gain attention as a compelling case of convergence between culture, technology, and art.

6. Development Roadmap and Schedule

6.1 Phase 1 (Development Completion)

6.1.1 Heritage Mainnet Construction

- Official launch of the Heritage Mainnet based on the Solana fork and stabilization of the PoS consensus algorithm
- Initial security audit of chaincode

6.1.2 3D Scanning and NFT Minting Pilot of the National Seal

- Final verification of the National Seal scan data, uploading to IPFS, and testing of Voxel-based NFT issuance
- After minting, testing transfer to internal wallets and simulating VHN policies

6.1.3 Preliminary Coordination with Hollywood Network

- Private project briefing for famous actors and producers, coordinating timing for promotional collaboration

6.2 Phase 2 (3 Months of Development)

6.2.1 Exchange Development and Beta Operation

- Open beta testing of VHN coin spot trading and NFT marketplace functions
- UI/UX improvements, pilot release of mobile app, and multilingual support (English, Chinese, Korean)

6.2.2 Community Features and Governance Pilot

- Launch of the Heritage Members Community (HMC) forum and trial operation of the on-chain voting system
- Holder invitation events for Voxel Heritage NFT owners (virtual exhibitions, seminars, etc.)

6.2.3 Corporate Establishment and Global Partnerships

- Advancing the establishment of a Luxembourg corporation, ensuring compliance with local regulations such as KYC/AML
- Formalizing cooperation on real estate pre-sale projects with the design firm 'Voxel Heritage Architectural Design' and the construction company 'Voxel Heritage Construction Company'

6.3 Phase 3 (6 Months)

6.3.1 Official Exchange Listing and Large-scale Marketing

- Release of unboxing videos of the National Seal NFT featuring Hollywood stars, with viral promotion on social media
- Negotiations for listing on major global exchanges (VHN listing) and liquidity provision

6.3.2 Expansion of Distributed Ownership of National Seal NFTs

- Some voxels of the National Seal NFTs traded at high prices, reinforcing the scarcity of digital assets
- Creation of an active trading ecosystem between history and culture enthusiasts and general investors

6.3.3 Expansion of Real Economy Integration

- Official adoption of Heritage Coin (HC) as a payment method at global pre-sale sites of the construction company ‘Voxel Heritage Construction Company’
- Use of Heritage Coin (HC) for ticket payments at Voxel Heritage museums and exhibition centers

6.4 Long-term Vision (Over 1 Year)

6.4.1 Metaverse Development

- Completion of a virtual museum (metaverse) integrating Voxel Heritage NFTs and other world heritage NFTs
- Incorporation of AR and VR technologies to provide immersive historical education and tourism services

6.4.2 Transition to DAO

- Shifting key foundation decisions to on-chain governance, strengthening community-led operations
- Allowing VHN and NFT holders to directly decide on project direction, budget allocation, and more

6.4.3 Continuous Regulatory Compliance

- Regularly updating corporate and service operation plans in response to changes in global regulatory frameworks such as FATF, SEC (USA), and MiCA (EU)
- Considering further expansion and new partnerships according to the maturity of the cryptocurrency market

7. Team Introduction

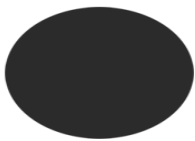
7.1 Founder & Team

We continuously redefine ownable digital assets through blockchain technology and aim to build a platform where these assets can be distributed fairly and conveniently. Our goal is to create a digital economics ecosystem that participants can enjoy and actively engage with.

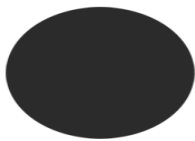
FOUNDER



Kyle Son
ME2ON (CEO)



Ben Yoo
ME2ONVR (CEO)
CRYPTO MECA (CEO)

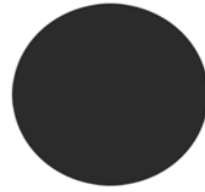


Myeongkyun Kim
CRYPTO MECA (VP)

7.2 Adviser



TEAM



7.3 Heritage Alliance

The Heritage project currently involves multinational blockchain companies and developers collaborating with the foundation on various initiatives. More companies are expected to join as partners in the future.



8. Legal Regulations and Considerations

8.1 International Regulatory Trends

- **FATF (Financial Action Task Force):**
Virtual Asset Service Providers (VASPs) may be classified under FATF guidelines, requiring compliance with KYC/AML standards and transaction tracking (Travel Rule).
- **SEC (U.S. Securities and Exchange Commission):**
NFTs need to be evaluated under tests like the Howey Test to determine if they qualify as security tokens. Depending on regulatory outcomes, restrictions may apply to users within the United States.
- **EU (MiCA Regulation):**
Expected to take full effect around 2025, introducing licensing requirements for NFT issuance and exchanges is possible.
- **Luxembourg:** Compliance with local regulations such as KYC, CFT, and AML is required.
- As a major European financial hub, Luxembourg offers a crypto-friendly environment for projects.
- Registering for a CSSP license enables legal operations worldwide.

8.3 Intellectual Property (IP) Management

- **National Seal Scan Data**
Ownership and copyright of the artifact belong to the original holder, including rights over the National Seal's ownership and copyrights.
- Securing IP rights such as patents and trademarks for the 3D models and voxelized data.
- **Trademarks and Service Marks:** Patent registration is underway.

- Pursuing global trademark registration for project names and logos such as ‘Voxel Heritage’ and ‘VHN’.
- Preparing dispute resolution measures to prevent unauthorized use and similar projects.

8.4 Market Volatility

- The cryptocurrency and NFT markets are subject to rapid price fluctuations and liquidity risks.
- Even with the VHN policy guaranteeing a minimum value of 1 USDT, temporary liquidity shortages may occur, so investors should carefully consider these risks before investing.

8.5 Technical Risks

- Various technical issues may arise, including upgrades to the Heritage Mainnet (Solana fork), smart contract vulnerabilities, and IPFS node failures.
- The foundation minimizes risks through regular security audits and bug bounty programs, but complete immunity from defects cannot be guaranteed.

8.6 Regulatory Uncertainty

- Cryptocurrency and NFT regulations vary by country, and the project will comply with future international virtual asset regulations.
- The headquarters works with a global legal team to monitor regulatory changes in each country and prepare response plans; however, investors should verify the regulations of their country of residence in advance.

Summary

Voxel Heritage NFT (VHN) is an innovative platform that combines cutting-edge 3D voxel technology with the blockchain NFT ecosystem to digitally expand and share the history, art, and value of the world’s cultural heritage. Notably, the headquarters has secured portrait and copyright contracts with the National Seal holders and academic authors before performing 3D scanning, demonstrating the project’s strong historical and cultural authority alongside the technological capabilities of voxel and NFT.

Investor Perspective:

- The premium value of scarce assets like Voxel Heritage NFT (VHN) can potentially increase due to the company’s real and digital integration policies (such as real estate payments) and marketing based on the Hollywood network.
- Through the VHN policy, holding the “Digital Twin National Seal” via Voxel Heritage NFT (VHN) offers psychological stability amid a highly volatile market.

Company Operations Perspective:

- We provide a highly reliable environment based on a high-performance Solana fork mainnet, thorough security measures, and regular audits.
- The project’s authenticity and expertise are firmly established through the physical possession of the rare artifact, the National Seal.
- By establishing a Luxembourg corporation and securing international agreements, we ensure global market expansion and regulatory risk management.

Going forward, the company will lead the digital twinning of various world cultural heritages and historical treasures through Voxel Heritage NFT (VHN), expanding a global cultural and economic ecosystem for trading, research, and exhibitions.

We look forward to the foundation, community, and investors joining forces to realize our vision of building “a digital bridge that connects humanity’s past to the future.”

On the Heritage Mainnet, NFTs are minted on a 1:1 basis for each voxel and stored in a distributed manner using IPFS (InterPlanetary File System), creating an immutable and tamper-proof Voxel Heritage NFT known as the “Digital National Seal.”

Through this technology, we digitally twin humanity’s precious cultural heritage, enabling permanent and transparent ownership and trading on the blockchain. This harmonizes tradition with modern technology, encouraging collectors worldwide to participate with a shared commitment to cherish and preserve cultural heritage.

10. Disclaimer

No content of this document shall be construed as an offer or solicitation to sell or purchase any token (cryptocurrency), and no offer, solicitation, or sale of Voxel Heritage NFT (VHN) shall take place in any jurisdiction where such activities would be unlawful. Therefore, no part or copy of this whitepaper should be taken, transmitted, or distributed into any country where the distribution or advertising of token sales is prohibited or restricted as described herein.

This whitepaper may contain certain statements, financial information, or projections. All such information is purely forward-looking and should not be relied upon as definitive conclusions or promises. Accordingly, this whitepaper does not constitute any advice for sale or form part of any offer or solicitation to purchase VHN or to assist in any investment decision.

VHN is a single NFT and holds no performance or specific value outside the VHG platform ecosystem. This whitepaper only describes the technical details and operations of the VHG platform and our current vision. There are risks and uncertainties related to all participants, partners, their respective businesses and operations, the initial sale of VHN, and the VHN project as a whole.

Please be aware that while we strive to realize our envisioned goals, we may be affected by numerous unforeseen potential factors.

We do not make any warranties or guarantees regarding any statements in this whitepaper, as they are based on our beliefs, expectations, and assumptions that cannot be assured at this time due to various unforeseen events that may occur.

The VHG platform is a continuously developing and improving platform. Many implementations may be constantly refined throughout the development process. In cases where implementations differ from the whitepaper, the specific implementation shall take precedence.

Blockchain, cryptocurrency, and other aspects of our technology and related markets are in their early stages and will continue to face many challenges, competition, and a changing environment that we will update and grow with.

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Appendix A. Frequently Asked Questions (FAQ)

1. If I own a Voxel Heritage NFT, do I legally own the actual National Seal?
 - The legal ownership of the physical National Seal is an exclusive right held solely by the artifact holder.
 - The company, with the consent of the holder, has 3D scanned the physical National Seal to create a digital twin in the form of the Voxel Heritage NFT.
 - Therefore, ownership of the Voxel Heritage NFT represents ownership of the “Digital Twin National Seal” as a digital asset.
2. **What happens if the value of VHN plummets?**
 - According to the VHN whitepaper policy, if certain conditions are met (e.g., NFT collateral), there is an option to guarantee a minimum value of 50% based on a 1 USDT transaction. Voxel Heritage S.A.R.L is a limited liability company.
 - However, please note that there may be limitations depending on market liquidity and the status of reserved funds.
3. **How exactly is the collaboration with the Hollywood network carried out?**
 - Famous actors and producers are considering participating in various ways, including unboxing broadcasts of Voxel Heritage NFTs, SNS promotions, and planning documentaries and films.
4. **Are there plans to list on other major exchanges besides the current one?**
 - We plan to engage in discussions with major exchanges such as Binance and Coinbase. Final decisions will be announced after technical reviews, legal considerations, and listing evaluations.
5. **Why is collaboration with the construction company ‘Voxel Heritage Construction company’ important?**
 - Because it provides a concrete example of Heritage Coin (HC) being used as a payment method in real estate sales, demonstrating that Heritage Coin (HC) can be utilized in the real economy.

Appendix B. Key Terms

- **Voxel Heritage S.A.R.L Operation:** Limited Liability Company
 - **Heirloom Seal of the Realm:** Heirloom Seal of the Realm
 - **Voxel:** A volumetric pixel, the smallest unit that has spatial position and physical properties in three-dimensional space.
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- **NFT (Non-Fungible Token):** A token on the blockchain that possesses unique individuality.
 - **SPL:** Solana Program Library, a standard for issuing and managing tokens on the Solana blockchain.
 - **Metaplex:** A protocol for the Solana-based NFT ecosystem, providing functions such as metadata management and auctions.
 - **IPFS:** InterPlanetary File System, a decentralized file storage protocol where files are shared and stored across distributed nodes.

- **PoS (Proof of Stake):** A consensus algorithm where nodes that stake their tokens gain the right to create blocks.
- **KYC (Know Your Customer) / AML (Anti-Money Laundering):** Procedures to verify user identities and prevent illegal money laundering in compliance with financial regulations.
- **HC:** Abbreviation for Heritage Mainnet Coin.
- **VHN:** Abbreviation for Voxel Heritage NFT.
- **VHN Policy:** A system that guarantees a minimum token value (e.g., 1 USDT) through certain collateral policies for Voxel Heritage NFTs.
- **VHG:** Abbreviation for Voxel Heritage Group.
- **VHG Platform:** The proprietary online exchange for trading Voxel Heritage NFTs.
- **VHCC:** Abbreviation for Voxel Heritage Construction Company.
- **HMC:** Abbreviation for Heritage Members Community.
- **VHD:** Abbreviation for Voxel Heritage Design.
- **VHM:** Abbreviation for Voxel Heritage Market.

Appendix C. Bibliography and Resources

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3. **Solana Foundation(2021)**, *Solana Whitepaper*, <https://solana.com/>
4. **Metaplex(2022)**, *Metaplex Documentation*, <https://docs.metaplex.com/>
5. **IPFS(2020)**, *IPFS & Filecoin Whitepaper*, <https://ipfs.io/>
6. **FATF(2019)**, *Guidance for a Risk-Based Approach to Virtual Assets and VASPs*
7. **SEC(2020)**, *Framework for 'Investment Contract' Analysis of Digital Assets*
8. **EU(MiCA 2022~2025)**, *Proposal for a Regulation on Markets in Crypto-assets*

As outlined above, the **Voxel Heritage NFT (VHN) White Paper** presents a comprehensive strategy that transforms the *Heirloom Seal of the Realm* into a digital avatar—Voxel Heritage NFT—based on scholarly research and physical ownership, with full consent from the artifact’s custodian and copyright holder. This initiative aims to maximize the historical and cultural value of the artifact through digital twin technology. The project is built on a high-performance Solana fork-based mainnet, supports P2P trading, integrates with the real-world economy (including real estate), and leverages a Hollywood network for global marketing. With the vision of digitally bridging humanity’s past to the future, **Voxel Heritage S.A.R.L** seeks to create an innovative ecosystem that contributes to both cultural preservation and economic development—empowered by active participation and collaboration from investors and the global community.

The VH Platform enables the ownership and preservation of digital world heritage assets.

Through this platform, users can collect digital world heritage NFTs, with ownership records permanently preserved on the blockchain. This goes beyond personal collection—it paves the way for cultural heritage to be passed down as a **Future Heritage** for generations to come. Below is an overview of VHG’s core technologies and policies.

Own the Past. Preserve the Future.

VH Platform empowers you to collect and protect digital world heritage. Your ownership is permanently recorded on the blockchain—creating a legacy that lives on as *Future Heritage*.