

Contents page

Page 1
Page 2
Page 3
Page 5
Page 8
Page 12
Page 15
Page 16
Page 18
Page 21

1.0 Introduction

Step into the revolutionary realm of Web3 with Tectone23, as we embark on a mission to transform the digital landscape for crypto enthusiasts, developers, new users, and the wider community. Our team of blockchain experts are dedicated to overcoming the current challenges of both Web2 and Web3, aiming to revolutionise the way we experience the internet.

In the current digital landscape, the accessibility afforded by Web2 platforms, such as Amazon, Facebook, and Instagram, is undeniable. However, the centralisation inherent in these platforms introduces significant risks to user control over personal data. The critical issue lies in the potential compromise of user privacy and security. As the digital realm evolves into the era of Web3, where decentralisation is a key principle, users are becoming increasingly aware of the importance of retaining control over their data. The traditional concerns of data breaches and security risks persist even within the crypto domain, emphasising the pressing need for individuals to have a proactive role in safeguarding their information. The shift towards Web3 not only addresses these challenges but also underscores the paramount significance of empowering users to assert control over their data, fostering a more secure and privacy-centric online experience.

Our goal is to not only provide essential infrastructure but also a suite of products for users and developers. Tectone23 focuses on security, trust, and stability, intending to redefine how we interact with the digital world. Join us on this journey toward a decentralised future, where you can navigate the digital realm with confidence and control. Tectone23 is committed to addressing the current challenges, optimizing ease of use, and helping users reclaim their privacy in the evolving landscape of Web3.

1.1 Executive Summary:

Tectone23 aspires to shape a decentralised digital environment founded on the core principles of privacy, economic empowerment, and accessibility for developers. Our unwavering dedication to a user-centric approach serves as the main pillar of our overarching mission.

Within the realm of our vision for a decentralised digital landscape, we envision a robust blockchain infrastructure tailored to the needs of developers, a wallet solution that prioritises user affordability, and a cutting-edge privacy-centric operating system poised to redefine the mobile landscape. These integral features are crafted with the explicit purpose of championing privacy, fostering economic fairness, and promoting inclusivity for developers within the dynamic Web3 ecosystem.

Our software distinguishes itself from other cryptocurrency projects through its distinct focus on the paramount values of privacy, economic empowerment, and developer accessibility. By placing these principles at the forefront of our initiatives, we aim to contribute significantly to the evolution of a digital landscape that prioritises user needs and aligns seamlessly with the core tenets of Web3.

We are committed to leading the charge in reshaping the digital future by ensuring that privacy, economic fairness, and inclusivity remain at the forefront of our technological innovations.

1.2 T-Core Blockchain Algorand's ASC1: A Strategic Choice Over Ethereum's EVM

In the intricate landscape of blockchain platforms, we decided to fork Algorand and propel blockchain technology to new heights with our T-Core Blockchain. This decision stems from a thorough evaluation that recognizes the unparalleled advantages offered by our ASC1 (Algorand-Smart-Contracts) over Ethereum's EVM (Ethereum Virtual Machine).

Advancing Beyond Algorand: T-Core Blockchain emerges as an evolutionary leap, refining and enhancing the foundation laid by Algorand. Our ASC1, Algorand-Smart-Contracts, serves as the cornerstone of this improvement, surpassing the capabilities of Ethereum's EVM. This strategic choice ensures that our blockchain platform stands out in terms of efficiency, scalability, and innovative smart contract functionality.

Unveiling ASC1's Superiority: The decision to strategically align with Algorand's ASC1 is rooted in its superior design and performance. Unlike Ethereum's EVM, ASC1 boasts enhanced efficiency, faster transaction speeds, and reduced energy consumption. These features not only address existing challenges but also position T-Core Blockchain as a leading force in the rapidly evolving landscape of blockchain technology.

Innovation in Action: By forking Algorand and harnessing the potential of ASC1, T-Core Blockchain becomes an embodiment of innovation in action. Our commitment to pushing the boundaries of what blockchain technology can achieve manifests in a platform that not only acknowledges the strengths of Algorand but also elevates them to cater to the evolving needs of the decentralised ecosystem.

T-Core's Unique Footprint: Beyond being a mere fork, T-Core Blockchain leaves its unique footprint in the blockchain space. It represents a commitment to advancing technology, fostering scalability, and providing developers with an environment that transcends conventional limitations. This strategic choice underscores our dedication to offering a blockchain platform that stands at the forefront of technological excellence.

Key advantages and considerations include:

1. Transaction finality and speed:

 Algorand ensures rapid and irrevocable transaction finality, offering greater certainty compared to Ethereum's probabilistic finality stemming from its proof-of-work mechanism. Algorand's design prioritises efficiency, boasting high throughput and low-latency transactions, ideal for applications requiring speed and cost-effectiveness.

2. Transaction fees and predictability:

• Algorand transactions feature lower and more predictable fees, mitigating issues associated with Ethereum's fluctuating gas fees during network congestion. Algorand's fee model provides predictability, simplifying cost estimation for both developers and users.

3. Smart contract language and security:

• Algorand's TEAL smart contract language is tailored for simplicity and efficiency, suitable for diverse use cases. The platform offers formal verification tools, enhancing smart contract security and reliability.

4. Network stability and environmental impact:

 Algorand's consensus mechanism prevents network forks, ensuring stability and consistency. Additionally, its PoS (Proof of Stake) consensus significantly reduces environmental impact compared to Ethereum's PoW (Proof of Work) mechanism.

5. Resilience and security features:

 Algorand's architecture, built around Pure Proof of Stake (PPoS), fortifies the network against 51% attacks, a vulnerability present in Ethereum. It achieves near-instant finality, diminishing the window for malicious activities. Furthermore, cryptographic commitments embedded in its consensus algorithm enhance overall network security.

6. Consensus considerations:

• Ethereum's upcoming Ethereum 2.0 aims to resolve inherent issues like 51% attacks, transaction finality latency, and fee calculations. However, Algorand's architecture guarantees faster finality, resistance to forks, and a standardised fee formula, addressing these concerns more comprehensively.

1.3 T-SDK- Empowering developers at every skill level

Whether you're delving into blockchain application development for the first time or are a seasoned expert, Tectone's GUI SDK redefines your experience, allowing you to concentrate on what truly matters while streamlining your development workflow. Serving as a centralised command center, this innovative toolkit simplifies project management, enabling you to swiftly execute, update, and maintain your development environment without the burden of memorizing complex command lines.

Key Features and Benefits:

1. One-click dependency installation:

- Simplify your setup process with a seamless one-click installation of all dependencies. Tectone's GUI SDK ensures that the intricate task of installing dependencies is executed effortlessly, allowing you to jumpstart your development journey with unparalleled ease.
- 2. Effortless development environment setup:
- Experience hassle-free setup of your development environment. Tectone's GUI SDK provides an intuitive interface, guiding developers through the configuration process effortlessly, ensuring that your workspace is optimized for efficiency.
- 3. Centralised environment management:
- Enjoy the convenience of managing and maintaining your development environment from a centralised interface. Tectone's GUI SDK serves as a unified hub, offering you control over your projects without the need to juggle multiple tools or remember an exhaustive list of commands.

4. **Stay Up-to-Date with Ease:** Keep your development environment current effortlessly. Tectone's GUI SDK streamlines the process of syncing local dependencies with upstream updates, ensuring that you remain at the forefront of development advancements with a simple click of a button.

5. Efficient Sandbox Management: Seamlessly oversee and manage your sandbox environment directly from within the GUI. Tectone's toolkit provides developers with a user-friendly interface to navigate and optimize their sandbox configurations, enhancing the efficiency of your testing and development processes.

6. **Configurations for Every Network:** Tailor your development environment effortlessly with easily accessible configurations for MainNet, DevNet, and TestNet. Tectone's GUI SDK ensures that developers have the flexibility to adapt their settings to specific network requirements without any hassle.

Developer Community: Thriving Ecosystem for Success

T-SDK goes beyond a toolkit; it's a gateway to a vibrant developer ecosystem. Forums, tutorials, webinars, and hackathons foster engagement and collaboration, enhancing the learning and growth experiences of developers. T-SDK seamlessly integrates with T-Core, merging Algorand's robustness with enhanced features. The comprehensive API facilitates smart contract interaction through well-documented, RESTful endpoints, ensuring developers have a cohesive and interoperable environment.

Other key features

Comprehensive API: unlocking full blockchain functionality

T-SDK's comprehensive API is a feature-rich powerhouse, exposing and making accessible all blockchain functionalities. This inclusivity ensures developers have seamless access to the complete spectrum of blockchain capabilities.

Intuitive SDK: rapid application development

The intuitive SDK is a user-friendly toolkit designed for expeditious application development. Through pre-built functions, templates, and the incorporation of the TAEL Language, developers experience heightened efficiency, significantly reducing development time.

Security and reliability: building on a foundation of trust

T-SDK places a paramount emphasis on secure coding, scalability, and performance. Adhering to industry best practices, the toolkit undergoes smart contract audits and continuous monitoring, ensuring the highest standards of security and reliability.

In summary, T-SDK's technical elements coalesce to provide developers with an unparalleled toolkit. Its emphasis on inclusivity, rapid development, security, and community engagement positions T-SDK as an indispensable asset in the dynamic landscape of blockchain application development. As a beacon of innovation, T-SDK not only equips developers for success but paves the way for a future where blockchain development is accessible, efficient, and secure.

1.4 Introducing Portofóli

Our all-in-one crypto wallet solution is accessible through iOS, Android, and web platforms. Portofóli prioritises user affordability by leveraging T-Core to ensure significantly lower gas fees compared to conventional blockchain networks.

Cross-Platform Accessibility:

Users can manage their assets securely from their preferred mobile operating systems. For those wanting added security and privacy Portofóli also operates on the TectoneOS. Since the OS is specifically designed to cater to the security needs of cryptocurrency users, offering a robust environment for managing digital assets.

Key features include:

- TectoneOS security: TectoneOS provides a highly secure environment for the Portofóli, minimising vulnerabilities associated with traditional operating systems. Its architecture is built with the highest standards of encryption and security protocols. (See TectoneOS)
- Multi-signature support: Portofóli implements multi-signature functionality, ensuring that multiple authorisations are required to execute transactions. This significantly reduces the risk of unauthorised access and potential loss of funds
- Decentralisation and user control: The wallet is designed to provide users with full control over their keys and data, leveraging decentralised principles to minimise reliance on centralised servers, thereby reducing the risk of server-related vulnerabilities.
- Advanced authentication measures: Portofóli implements advanced authentication methods like biometric verification or hardware-based keys, ensuring that only authorised individuals can access the wallet.

Launch DApps through Portofóli

Portofóli introduces a user-friendly avenue for launching DApps, offering direct accessibility. Prioritising security, all DApps undergo rigorous vetting, ensuring a protected environment. Users are encouraged to share their experiences through a feedback option, contributing to continuous improvement. The initial DApp lineup within the wallet encompasses diverse functionalities.

Peer-to-peer swap: Our peer-to-peer swap is non-custodial, devoid of deposits or escrow services. Every transaction is conducted peer-to-peer on the T-Core blockchain, ensuring there is no counterparty risk or involvement of intermediaries. The peer-to-peer nature of the platform ensures that the displayed price is the executed price, devoid of slippage, front running, or any potential price manipulation. Every exchange involves two participants, two tokens, and a smart contract. Consequently, any standardised digital asset can be exchanged at a personalised price and in any desired quantity.

T-Messenger: The ability to exchange messages directly from wallet to wallet fosters seamless communication. The integration with T-Messenger allows end users to enable the chat feature and communicate with transaction counterparts over a decentralised protocol that safeguards identity and IP addresses.

Kiosk service: The introduction of a kiosk service marks a pioneering approach, allowing users to delve into the crypto realm using a familiar method—similar to the convenience of topping up mobile vouchers. This makes cryptocurrencies more accessible and integrates them into everyday consumer practices.

Pioneering Low Gas Fees: Portofóli is at the forefront of revolutionising cryptocurrency transactions, setting a new standard with its utilisation of T-Core. Its commitment to providing users with significantly lower gas fees stems from a convergence of key factors:

Unique Factors Driving Lower Gas Fees:

- Efficiency: Portofóli harnesses the T-Core, renowned for its innovative consensus mechanism that ensures highly efficient transaction processing. The protocol's design inherently minimises computational overhead, resulting in remarkably lower gas fees compared to traditional blockchain networks.
- Scalability without compromise: T-Core scalable infrastructure allows our wallet to accommodate a higher volume of transactions without compromising on the cost-efficiency aspect. This scalability directly contributes to maintaining consistently low gas fees even during peak network loads.
- Optimised transaction architecture: Portofóli's architecture is meticulously designed to optimise transaction pathways within the T-Core ecosystem. This approach ensures streamlined operations, further reducing gas fees for users.

Advantages over other wallets

Portofóli strives to enhance existing apps and contribute value to web3. Our approach involves implementing "TrustWallet Core" to power blockchain interactions, and Portofóli additionally offers native support for the Tectone SDK. This native support grants direct access to DApps developed with the SDK, enabling seamless native API exposure to both the operating system and the device in use. This approach fosters interoperability among DApps, allowing them to coexist and cross-transact within the app effortlessly. End users can engage with multiple DApps simultaneously with minimal understanding of the underlying system, as Portofóli is designed to work seamlessly out of the box.

Consider a scenario where two Crypto Swaps DApps are available—one facilitating the swap of USDT TRC20 for BNB, and another supporting BNB swaps for Shiba-Inu. An end user holding USDT TRC20 and wishing to swap it for Shiba-Inu can leverage the Tectone SDK's native API to identify supported coins. Portofóli, in turn, traces the optimal route for the swap, enabling seamless Cross-Transaction functionality.

This approach minimises losses and provides a more favourable rate for end users engaging in swaps through our wallet. These are just a few examples of the numerous advantages offered by Portofóli as it aims to build a cohesive ecosystem atop Web3 technologies.



1.5 Introducing TectoneOS

We present to you TectoneOS, a privacy-centric operating system engineered as a gateway to Web3. Revolutionising the mobile landscape, TectoneOS integrates a native blockchain API, adheres to open-source principles, and puts user control and data ownership at the forefront. By championing privacy and security, TectoneOS seeks to redefine the paradigm of decentralised internet interactions on mobile devices.

TectoneOS: A Privacy-Based Web3 Mobile Operating System

TectoneOS, integrates a native blockchain API, emphasising security with hardened security features, deniable encryption, and adaptive security modes. TectoneOS also features DApps integration, decentralised messaging, privacy-first browsing, digital identity management, token rewards, and DeFi integration. The operating system leverages blockchain technology to ensure secure user identities and offers a tiered token reward system to incentivise user engagement within the OS and DApps.

The primary objectives and functionalities of TectoneOS include:

1. Hardened security features:

 Utilising a hardened fork of GrapheneOS, TectoneOS emphases security by modifying the kernel, system, and applications. File encryption is strengthened to encrypt each user separately, resisting brute-forcing attempts. Elimination of unsafe features further fortifies user security.

2. Deniable encryption and destruction:

 TectoneOS introduces deniable encryption, allowing users to login as a fake user when compelled to unlock the device. The system supports 'wipe password' functionalities, enabling remote erasure of the device or automatic self-erasure after a set time. 'Incognito mode' ensures the user's existence is erased upon logout.

3. Adaptive security modes:

 Users can easily switch between three distinct 'security modes' based on their activities, offering varying levels of security - low, medium, or high - to align with their privacy needs.

4. Blockchain at the core:

 The operating system features a built-in cryptocurrency wallet, Portofóli, promoting a multi-wallet architecture to cater to diverse user preferences. Enhanced security protocols, multi-factor authentication, cold storage options, and advanced encryption techniques ensure robust wallet security.

5. DApps integration:

 TectoneOS hosts a decentralised DApp store operating on the blockchain, eliminating reliance on centralised platforms.
Personalised DApp recommendations based on user behaviour and content consumption enhance the user experience. A streamlined integration process for developers encourages DApp adoption within the ecosystem.

6. Privacy-first browsing:

 Advanced privacy extensions such as ad blockers, tracker blockers, and content blockers are integrated into the browser. Tor integration enables anonymous browsing, ensuring heightened user privacy.
Secure Web3 browsing with native support for Web3 domains is provided, along with a private browsing mode tailored for DApp usage, safeguarding user data.

7. Digital identity management:

 TectoneOS introduces a decentralised identity verification system leveraging blockchain technology, enabling secure user identities.
Seamless identity management and integration with existing identity providers promote user control over digital identities.

8. Token rewards and DeFi integration:

 A tiered token reward system incentivises user engagement within the OS and DApps. Token rewards for specific actions and community engagement foster user participation. The integration of a wide range of DeFi protocols enables secure, user-friendly interactions and risk management tools within the ecosystem.

9. Wallet-based authentication integration for Android:

Introducing a new authentication method seamlessly integrated into Android's user account management framework to support crypto walletbased authentication.

- Extending Android's existing authentication framework (Android Keystore) to smoothly integrate crypto wallet-based authentication, encompassing methods like PIN, pattern, fingerprint, and Face ID.
- Adapting Android's lock screen, account setup, and user profile interfaces to incorporate options for crypto wallet-based login.
- Extension of crypto wallet-based authentication to bootloader or custom recovery mode for heightened security.
- Collaborating with crypto wallet app developers to create an API or standard for crypto wallet-based authentication. Drawing inspiration from successful implementations like Unstoppable Domains, aiming for seamless sign-up/sign-in experiences across platforms using crypto wallets.
- Prioritising robust security measures to ensure strong and secure crypto wallet-based authentication, aligning with the security standards akin to successful implementations like Unstoppable Domains. The focus is on safeguarding user information throughout the authentication process.

1.6 Choice of Algorand

The decision to opt for Algorand was driven by its resilience to vulnerabilities like 51% attacks, near-instant finality, robust security through cryptographic elements, and its design specifically aiming to prevent forks, ensuring network stability.

We aim to continue and contribute to the remarkable advancements Algorand has made in the blockchain sphere. We don't merely intend to be another Algorand fork; rather, we aspire to simplify the complex Algorand Go SDK. Our goal is to democratise Web3 programming, making it accessible to the average developer who may not have the time to delve into smart contract writing or establishing their own DevNet or Mainnet.

Our approach starts with providing a GUI interface that streamlines configurations and setup, reducing the initial learning curve almost to zero. We prioritise transparency in coin supply and circulation policies from the project's inception, preventing unwanted market manipulation or unexpected coin dumps.

Moving beyond the limitations of Layer 1, our vision extends to connecting various types of Apps/DApps to the same account, fostering genuine integration of Web3 into our daily routines. Rather than passively waiting for market adoption, we're proactively building a complete ecosystem that complements every aspect of our project, leveraging Tectone's core features through beginner-friendly abstractions.

Our GUI improvements and API abstractions aim to create an extensive set of sub-APIs, simplifying the complex elements into easy-to-understand routines. This initiative seeks to attract more developers to explore and engage with our platform, empowering them to test and innovate within the Tectone ecosystem.

1.7 Key takeaways & long-term vision

Our long-term vision is to create a decentralised digital landscape which emphasises privacy, economic empowerment, and developer accessibility. The company's commitment to a user-centric approach is evident in the development of T-SDK for developers, Portofóli, and TectoneOS, each designed to prioritise user satisfaction, financial accessibility, and security. Overall, we aim to create a comprehensive ecosystem that champions privacy, economic fairness, and developer inclusivity within the blockchain realm.

Furthermore, TectoneOS underscores the company's commitment to security and privacy. By providing a robust operating system for blockchain interactions, Tectone23 Software aims to create an environment where users can engage with the blockchain securely and with peace of mind.

In essence, Tectone23 Software strives to cultivate a comprehensive ecosystem that champions privacy, economic fairness, and inclusivity for developers within the blockchain realm. The overarching goal is to contribute to the establishment of a decentralised digital landscape that not only meets the needs of users but also empowers developers and upholds the principles of privacy and economic fairness. Our enduring vision extends beyond the horizon of blockchain technology, as we aspire to shape a decentralised digital landscape rooted in principles of privacy, economic empowerment, and unfettered developer accessibility. At the heart of our company lies an unwavering commitment to a user-centric philosophy, epitomised through the development of T-SDK for developers, Portofóli, and TectoneOS. Each of these innovations is meticulously crafted to prioritise user satisfaction, financial accessibility, and security, forming the building blocks of a holistic ecosystem.

At the core of our commitment to security and privacy is TectoneOS. This robust operating system for blockchain interactions serves as a bastion, ensuring users can engage with the blockchain securely and with absolute peace of mind. We envision a future where blockchain interactions are not only seamless but also fortified with the highest standards of security, underscoring our dedication to building trust within the digital space.

In essence, we want to cultivate an ecosystem that not only champions the principles of privacy and economic fairness but also fosters inclusivity for developers of all skill types. Whether you are an experienced developer or new, our overarching goal is to contribute significantly to the establishment of a decentralised digital landscape that not only meets the evolving needs of users but also empowers developers to innovate freely. As we pave the way for this transformative journey, our vision remains clear: to be architects of a decentralised future where principles of privacy, economic empowerment, and inclusivity are the cornerstones of progress.

1.8 Tokenomics

A well-crafted tokenomics, the economic model underlying a cryptocurrency, is paramount for the success and sustainability of any blockchain project. It establishes the rules governing token creation, distribution, and circulation, directly influencing the project's value and user engagement. A robust tokenomics design fosters trust, attracting investors and users. It aligns incentives, ensuring a healthy ecosystem where stakeholders are motivated to contribute positively. Effective tokenomics considers factors like scarcity, utility, and governance, promoting long-term viability. In essence, a good tokenomics plan is the bedrock of a resilient crypto project, providing the framework for economic dynamics that drive sustained growth and community support. Many of our tokens are allocated to reward investors who commit to holding the coin over an extended period.

In line with our unwavering commitment to transparency, we take pride in fortifying our community against market uncertainties. Since the inception of our project, we have championed openness, meticulously structuring our coin supply and circulation policies. This proactive approach serves as a shield, ensuring resilience against potential market manipulation and unforeseen coin dumps.

In pursuit of absolute transparency, we present our meticulously laid-out tokenomics. The distribution is intelligently divided to sustain long-term growth.



A significant portion, 40% amounting to 3,747,600,000, is allocated to the Frozen Reserve/Long-term Funding. Over the first five years, we strategically allocate tokens, delineating proportions for development and team, marketing, and community incentives. Accessible to all, the frozen reserves will be governed by a smart contract, ensuring their release either upon the expiration of a designated timeframe or upon reaching a predetermined time limit.



Democratic decision-making

Our token release system places the power directly in the hands of our community of investors. For tokens to be released, a consensus among the majority of investors is paramount. This ensures that the community's interests and concerns are at the forefront of our decision-making process.

Time-locked security

To add an additional layer of security and fairness, tokens will only be released once a predefined time limit has been reached. This time-lock mechanism is designed to provide investors with a structured timeframe for deliberation, fostering thorough consideration and preventing hasty decisions.

Community endorsement

The community vote plays a pivotal role in the release process. Only when the predefined time limit has been met, and the majority of investors have voted in favor, will the tokens be released. This emphasizes our unwavering commitment to community-driven initiatives and aligns with our mission to empower our stakeholders.

Funding community initiatives

Recognizing the importance of community development, a significant portion of the released tokens will be allocated to fund community-driven initiatives. By entrusting the decision-making process to our investors, we aim to channel resources where they matter the most, fostering growth, innovation, and inclusivity within our community.

1.9 Staking

We are set to provide enticing rewards for participants engaging in staking and taking on the role of a validator. Additionally, we are committed to offering incentives to developers who contribute to the growth of the T-Core blockchain ecosystem. In alignment with our community-centric approach, we have implemented a voting system to gauge the popularity and usage of our products. As a result, Portofóli users can anticipate a variety of rewards, including benefits for transactions and active participation on T-Messenger.

Our aim is to foster a dynamic and rewarding environment for all members of the Tectone23 community. We are thrilled to introduce a user-friendly and effective staking pool solution, creating an easily accessible opportunity for \$TECHT token holders to engage in staking and earn rewards for their role in enhancing network security.

Our main focus is on simplicity, streamlining the staking process to ensure that even individuals with limited technical knowledge can actively contribute to securing the blockchain. Our goal is to empower token holders by allowing them to stake their tokens effortlessly, eliminating the need for hardware management and providing a seamless and hassle-free staking experience. We are dedicated to making staking accessible and convenient, encouraging wider community participation in fortifying the network.