



# TIACoin

TOGGLE INCREMENTAL ALGORITHM

## Whitepaper v1.3

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# ABSTRACT

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Blockchain technology has ushered in an era of unprecedented innovation, transforming the way we live, work, and do business. From finance and logistics to healthcare and entertainment, blockchain has disrupted virtually every industry, paving the way for new models of decentralization, transparency, and trust.

At TIA, we believe that blockchain's potential is far from fully realized. As an emerging technology, blockchain is constantly evolving, opening up new avenues for growth and innovation. Our mission at TIA is to harness the full potential of blockchain technology and create a safer, more connected, and more equitable world.

We are a team of experts in finance, blockchain technology, and cybersecurity, with a passion for innovation and a commitment to excellence. With a deep understanding of the challenges and opportunities facing the blockchain industry, we have created a suite of cutting-edge solutions that leverage blockchain's power to revolutionize various aspects of our lives.

Through our flagship projects, TiaXchange, TIAMV, TiaSecure, and Treeclan, we are creating an ecosystem that brings together the best of blockchain, metaverse, cybersecurity, and social media technologies. We envision to empower individuals, families, and businesses with the tools they need to thrive in the digital age, building a safer, more connected, and more equitable world for all.

# PROBLEM STATEMENT

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The problem that TIA aims to solve is the lack of security, privacy, and accessibility in various aspects of technology. Traditional methods of security, such as antivirus software, are not always effective, leaving individuals and businesses vulnerable to cyber threats. Additionally, many people are excluded from accessing financial services due to their geographical location or lack of access to traditional banking. Privacy is also a concern, with personal information being shared and sold without consent. Finally, there is a need for better ways for families to connect and share experiences, especially in today's globalized world where family members may be separated by great distances. TIA aims to address these issues by leveraging blockchain technology to create secure and accessible solutions for individuals, businesses, and families..

# INTRODUCTION

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TIA is an innovative and comprehensive blockchain platform that offers a suite of decentralized applications and services, designed to bring the benefits of blockchain technology to the masses.



With its unique blend of cutting-edge blockchain technology and user-friendly design, TIA is paving the way for a future where individuals and businesses alike can easily and securely participate in the digital economy. From the TiaXchange, a trustless and transparent exchange, to the TIAMV, an all-encompassing metaverse, TIA's suite of products offers a range of exciting opportunities for users to explore, connect and transact in a decentralized ecosystem. TIA's commitment to privacy, security and user experience is further exemplified through its TiaSecure project, which provides unparalleled protection for all digital assets and personal devices. And with Treeclan, a family-centric social media platform, TIA offers a unique and secure way for families to connect and share their experiences.

# VISION:

To create a safer and more connected world through the power of blockchain technology. We believe in a future where individuals and organizations can securely and seamlessly exchange value, ideas, and information without fear of cyber threats or breaches of privacy. By leveraging the full potential of blockchain, TIA aims to transform industries and revolutionize the way people interact and transact..

# MISSION:

To build innovative blockchain-based solutions that address real-world challenges and empower individuals and businesses with the tools they need to thrive in a rapidly evolving digital landscape. We are committed to promoting safety, security, and privacy by creating user-friendly platforms that enable secure transactions and data management. Through our diverse range of products and services, we strive to foster greater financial inclusion, enable new business models, and create opportunities for growth and innovation.

At TIA, we are dedicated to realizing the full potential of blockchain technology to create a more equitable and prosperous future for all. Join us as we embark on a journey to build the future of decentralized technology, today.

# OUR PROJECTS

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## TIA XCHANGE:



TiaXchange is a cryptocurrency exchange platform that prioritizes security, privacy, and accessibility for traders worldwide. It operates on a decentralized blockchain technology, eliminating the need for intermediaries and reducing fees to almost 0%. TiaXchange offers advanced trading tools and products, such as margin and derivatives trading, making it ideal for both novice and experienced traders. The platform is user-friendly, allowing for easy navigation and multiple account creation, and supports a variety of languages for international users.

At TIA, we are dedicated to realizing the full potential of blockchain technology to create a more equitable and prosperous future for all. Join us as we embark on a journey to build the future of decentralized technology, today.



TiaXchange also offers an enterprise exchange option with features such as a high-performance matching engine and 2-factor authentication. Additionally, it integrates with 3rd party liquidity providers for increased flexibility. The platform's customizable architecture allows for configuration and scalability, making it a versatile solution for traders.

“TiaXchange aims to provide a secure, private, and accessible cryptocurrency exchange platform that empowers traders to achieve their financial goals”

## **TIASECURE:**



An Anti-virus software is a basic cybersecurity measure that can prevent, detect and remove malware from your computer, but it is not a comprehensive solution. Tia ecosystem offers a better solution with TiaSecure, a mobile security app that provides enterprise-grade technology to protect your smartphone or tablet from all cyber threats, including anti-hacking.

By holding Tia Tokens in your wallet, you get discounts and access to better features. TiaSecure has minimal impact on battery life and device performance and offers features such as theft protection, location tracking, and real-time antivirus protection. TiaSecure also blocks malicious apps and verifies every link in real-time against the world's largest growing cyber intelligence network. With zero-day phishing protection, TiaSecure ensures that your email, social media, and financial institutions are safe from phishing attacks. Its anti-ransomware protection blocks any malicious attempt to lock your device and every encrypted file can be restored. TiaSecure also features a two-way firewall and stealth mode for advanced protection..

## **TREECLAN:**



TreeClan is a family-centric social media platform that is part of the Tia ecosystem. The platform aims to provide families with a safe and interactive space where they can connect, share experiences, and create lasting memories. With its family-friendly focus, TreeClan provides a range of features and tools that are designed to be used by all members of the family, from children to grandparents.

One of the key features of TreeClan is its focus on privacy and safety. The platform uses advanced security measures to protect users' personal information and ensure that all content is appropriate for all ages. Additionally, TreeClan provides tools that allow parents to monitor and control their children's activities on the platform, giving them peace of mind and a greater sense of control.

Overall, TreeClan is a social media platform that is designed to bring families closer together. With its focus on safety, interactivity, and family-friendly content, TreeClan is the perfect platform for families who want to stay connected and share experiences in a safe and enjoyable way..

## **TIAMV:**



TiaMV is a virtual environment built on the Treeclan social media platform, aimed at providing families with a safe and enjoyable way to connect and share experiences. The platform offers a range of interactive features, including virtual spaces for playing games, experiencing new things, and watching live entertainment together.

TiaMV aims to create a shared experience for families who are unable to be together in person. It is family-friendly and designed to provide a unique way for families to spend time together, regardless of their location. As a crypto-powered metaverse, TiaMV will be further integrating NFT marketplaces and 3D virtual universes, allowing NFT holders to sell their goods on a larger scale. TiaMV blockchain developers are creating popular metaverse-like applications that can be used in family and social environments, attracting organic users.

# TOKENOMICS

The TIA ecosystem's native token is **TIA**.

The total token supply is **2,904,000,000 TIA**.

TIA will be distributed according to the following allocation:

Token Allocation	Percentage	Vesting Schedule
Staff Eswap	7.00%	2-year vesting
Management	10.00%	1-year vesting from token listing
IDO/IFO/ICO	5.00%	No vesting
Locked coin	34.00%	3-year vesting then 20% released
Public sale	38.00%	No vesting
Bounty program	1.00%	Yes
Project development	4.00%	6-month vesting, then 25% yearly release
Administrative and Legal	1.00%	Yes, 20% Max yearly

# TOKEN UTILITY:

The TIA token is on the Polygon blockchain that serves as the native token of the TIA ecosystem. It has various utility functions, including:

1. **Payment method:** The TIA token can be used to pay for fees and services within the TIA ecosystem, such as transaction fees, storage fees, and access to premium features.
2. **Governance:** Holders of the TIA token can participate in the decision-making process of the TIA ecosystem through voting on proposals and changes.
3. **Staking:** TIA token holders can stake their tokens to secure the network and earn rewards in return.
4. **Rewards:** Users who contribute to the TIA ecosystem, such as developers and content creators, can receive TIA tokens as rewards for their contributions.
5. **Discounts:** TIA token holders may receive discounts on fees and services within the TIA ecosystem, incentivizing the holding of the token.

# TOKEN DYNAMICS:

TIA is issued on the Polygon blockchain

## BURNING:

A portion of the transaction fees generated on the TIA network will be used to buy back and burn TIA tokens. This will decrease the total token supply over time, leading to potential value appreciation for holders.

# TECHNOLOGY

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## TIA'S SMART CONTRACT:

TIA's smart contract is built on the Polygon blockchain, a layer 2 scaling solution for Ethereum that aims to increase transaction speed and reduce gas fees. The smart contract is the backbone of the TIA platform, allowing for secure and transparent transactions between parties. It is based on Solidity, the programming language used for Ethereum smart contracts, and is designed to be flexible and adaptable to a wide range of use cases.

The TIA smart contract is responsible for managing the TIA token, which is used as the primary means of payment within the TIA ecosystem. It also facilitates the creation of decentralized applications (dApps) on the TIA platform, which can be used for a variety of purposes such as secure messaging, file storage, and financial transactions. The use of a smart contract ensures that all transactions are executed automatically and transparently, with no need for intermediaries or third-party verification.



# IPFS STORAGE:

TIA will utilize InterPlanetary File System (IPFS) storage to enable decentralized and secure storage of data for its four projects. IPFS is a peer-to-peer protocol that enables the creation of a distributed file system that is more resilient and tamper-proof than traditional centralized storage solutions.

TiaXchange, TiaSecure, TiaMV, and Treeclan will utilize IPFS storage to ensure that user data is secure and private. For example, TiaSecure will use IPFS to provide secure and private storage of sensitive data, such as medical records or financial information. Similarly, TiaXchange will use IPFS to store user data related to cryptocurrency transactions.

By using IPFS, TIA can ensure that data is distributed across a decentralized network, making it more difficult for malicious actors to compromise or attack. Additionally, IPFS enables TIA to provide faster access to data by allowing users to retrieve files from the nearest node, reducing latency and improving performance.

“TIA's use of smart contract technology and IPFS storage enables the creation of secure, transparent, and decentralized platforms for users to engage in transactions without intermediaries, while ensuring that user data is secure and private”

# SECURITY

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Security is a top priority for TIA, and several measures have been implemented to ensure the safety and integrity of user data and transactions.

## TRANSACTION ATOMICITY:

TIA's smart contract architecture ensures transaction atomicity, meaning that a transaction involving the storage, transfer, or access of user data will either be executed completely or not at all. This is important for ensuring the accuracy and integrity of user data stored on the TIA platform, as any partial or incomplete transactions could result in data loss or corruption.

## AUDIT:

Before TIA goes live on mainnet, an external professional security audit team will conduct a comprehensive security audit. The launch time of TIA will be based on the audit report findings. A second set of security checks will be done on TIA after it goes live to ensure that any potential security issues that were not identified in the initial audit are addressed.

In addition, a third-party security audit will be submitted prior to any contract alteration or upgrade. TIA will also offer a Bug Bounty program to incentivize the community to report any security risks they discover.

Various security hardening steps will also be deployed, such as background checks, drive encryption, safeguarding sensitive communication, vulnerability testing, and third-party penetration testing.

Furthermore, TIA will employ multi-layered security protocols, including firewalls, intrusion detection, and prevention systems, and access control mechanisms to protect against unauthorized access or data breaches. The TIA platform will also use secure, encrypted communication channels to protect sensitive data from interception or tampering.

*\*All TIA audit reports will be made public once concluded, in line with the company's commitment to transparency and security*

# ROADMAP

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## ● Stage 1

- Tiacoin miner app launch
  - Treeclan Beta launch
  - Initial development of TiaXchange and TiaSecure
  - Funding round
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## ● Stage 2

- DEX token listing
- Treeclan main launch
- Initial development of TiaMV
- DApp development for advertisement



## ● Stage 3

- TiaSecure Beta launch
  - Audit
  - TiaSecure main launch
  - CEX token listing
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## ● Stage 4

- TiaXchange main launch
- TiaMV main launch
- Ecosystem development and expansion.

*\*The TIA Roadmap is meant to serve as a guideline for development phases milestones, it is neither meant to be comprehensive nor conclusive and may be subject to changes based on market conditions, regulatory changes, and technological advancements.*

# CORE TEAM

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At TIA, we are a team of seasoned professionals with a wealth of expertise in finance, blockchain technology, and cybersecurity. Our founding members have spent years in related sectors where safety measures are critical and can mean the difference between life and death. We understand the importance of providing elegant and simple solutions that are also scalable. With this extensive experience, we have established the safety standard for TIA, setting the bar high for others to follow. Trust us to protect your digital assets and personal information with our top-notch security solutions.

**Rudr Rishi** – *CEO and Founder*

**Mark Warton** – *CTO Treeclan*

**Servesh Gupta** – *CTO TiaSecure*

**Monika Podar** – *CFO and Cofounder*

# ADOPTION



TIA aims to achieve widespread adoption by targeting specific markets and niches with its four projects: TiaXchange, TiaSecure, TiaMV, and Treeclan. The first step in our go-to-market strategy is to identify these markets and niches and focus on establishing a strong presence within them.

For TiaXchange, our target market is individuals and businesses in areas with limited access to traditional banking and financial services. TIA's blockchain-based platform will provide a secure and accessible way for these individuals and businesses to store and transfer funds, without the need for intermediaries.

TiaSecure is targeted towards businesses and individuals who are looking for enhanced security and privacy solutions. TIA's smart contract-based security system provides a more robust and reliable security framework, which is critical for sensitive industries such as healthcare and finance.

TiaMV will focus on partnering with game developers and virtual reality content creators to integrate TiaMV into their platforms. This will allow us to reach a large audience of gamers and virtual reality enthusiasts who are already familiar with the concept of a virtual world. We will also engage with businesses in various industries, such as real estate and education, to explore how TiaMV can be used for virtual events, meetings, and training programs. By showcasing the benefits of TiaMV's immersive and interactive experience, we aim to create a strong demand for the platform across different industries.

Finally, Treeclan is focused on providing a decentralized platform for family-oriented content and communication. Our target market for this project is families who are looking for secure and private ways to share experiences and stay connected across geographical locations.

*“By targeting these specific markets and niches, TIA aims to achieve a high level of adoption and establish itself as a leading player in the blockchain industry. As we grow and expand our user base, we will continue to identify new markets and niches to target, further fueling our growth and adoption”*



# JOIN OUR COMMUNITY



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