

Mainnet 4.0

AI Driven Pandofarm

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Introduction



Powered by Artificial Intelligence for dynamic optimization

The PandoProject's journey has been defined by relentless innovation and a commitment to decentralization. From the launch of Mainnet 1.0 to the groundbreaking advancements of Mainnet 4.0, we have consistently reimagined the possibilities of blockchain technology.

Mainnet 1.0 laid the foundation by introducing a secure, decentralized infrastructure that empowered users to participate in a new digital economy. It was the starting point of a mission to disrupt centralized systems and redefine digital interactions.

With Mainnet 2.0, the PandoProject enhanced scalability, interoperability, and network efficiency. This milestone introduced seamless cross-blockchain integrations, enabling broader adoption and providing developers with the tools to create diverse, decentralized applications.

Mainnet 3.0 focused on improving the user experience, integrating advanced tools, stronger security measures, and a more efficient operational framework. These upgrades prepared the network to support larger, more complex ecosystems, solidifying the PandoProject's position as a leader in decentralized innovation.

Now, with the launch of Mainnet 4.0, detailed in Whitepaper 4.0, the PandoProject takes a transformative step forward. At the core of this evolution is the AI-Driven Rametron Farm, a sophisticated network designed to decentralize critical functions like storage, transcoding, file sharing, and live streaming, powered by Artificial Intelligence for dynamic optimization.


Key features of the AI-Driven Rametron Farm include

- 01.** Decentralized storage ensures secure, distributed data management, enhancing privacy, reducing risks of central points of failure, and improving accessibility through geographically dispersed nodes.
- 02.** AI-optimized transcoding dynamically allocates resources to ensure seamless media delivery across devices and varying bandwidth conditions.
- 03.** Streamlined file sharing leverages decentralized nodes for faster, more reliable data transfers compared to traditional servers.
- 04.** Enhanced live streaming provides low-latency, high-quality delivery, even during peak usage periods, through AI-driven load balancing.
- 05.** Intelligent AI management enables proactive monitoring and dynamic resource allocation, minimizing downtime and maintaining optimal network performance.

Supervised by global country partners, the network adapts to regional standards, ensuring compliance and resilience. This collaborative approach positions the AI-Driven Rametron Farm as the critical infrastructure for supporting decentralized applications worldwide.

Mainnet 4.0 represents the culmination of the PandoProject's dedication to innovation, inclusivity, and building a decentralized future. With this new milestone, the PandoProject continues to set the standard for blockchain technology, paving the way for a smarter, more connected digital ecosystem.

The Evolution from Mainnet 3.0 to Mainnet 4.0



The transition from Mainnet 3.0 to Mainnet 4.0 marks a significant step forward for pandoproject.org. While Mainnet 3.0 successfully established the foundation for a decentralized network, it presented several challenges that limited its scalability, efficiency, and accessibility. Addressing these challenges necessitated a transformative leap rather than incremental changes.

Challenges in Mainnet 3.0

Managing Multiple Technologies

In Mainnet 3.0, the Pando Network relied on various technologies to decentralize storage, transcoding, file sharing, and live streaming. Each system came with its own complexities, creating significant overhead for integration, maintenance, and scalability. This fragmented architecture made system upgrades cumbersome and introduced potential points of failure.

Resource Availability and Stability

The fluctuating availability of resources posed a critical issue for Mainnet 3.0. Businesses relying on the network often faced challenges from resource instability, leading to performance dips and potential service interruptions. Maintaining consistent availability required constant monitoring, creating inefficiencies and uncertainties.

Security and Reliability

Expanding the network increased the complexity of maintaining security protocols and preventing malicious activities. Ensuring data integrity, securing transactions, and safeguarding against attacks required advanced measures, which strained the existing infrastructure.

User Familiarity and Accessibility

Adopting the Rametron application proved challenging for many users due to its complexity. Limited user-friendly documentation and support compounded this issue, hindering the network's adoption. Simplifying the onboarding process became essential to drive growth and foster a wider community.

Scalability and Integration

As the network grew, scaling resources and integrating new technologies became increasingly difficult. Supporting a larger number of nodes, managing data flow, and maintaining performance consistency demanded extensive effort. The decentralized nature of the network, while beneficial, introduced coordination challenges that constrained expansion.

How Mainnet 4.0 Resolves These Challenges

Uniform Technology Deployment

Pando Farm introduces a decentralized server-based network that ensures consistent technology deployment. This uniformity reduces complexity, streamlines maintenance, and enables seamless integration of updates and new features.

Focus on Core Technology

By consolidating technologies into the AI-driven Pando Farm, the development team can focus on optimizing the core decentralized framework. This concentrated effort improves performance, scalability, and security, addressing the key limitations of Mainnet 3.0.

Resource Scalability and Load Balancing

Pando Farm dynamically monitors decentralized farms, efficiently scaling resources and balancing network loads. This approach ensures consistent performance, reduces the risk of resource shortages, and provides a stable platform for business applications.

Community Engagement and Simplification

Pando Farm allows the community to shift its focus from device monitoring to powering the network with PTX (Pando Tokens) and promoting decentralization. This simplified user experience fosters active community participation, driving network expansion and resilience.

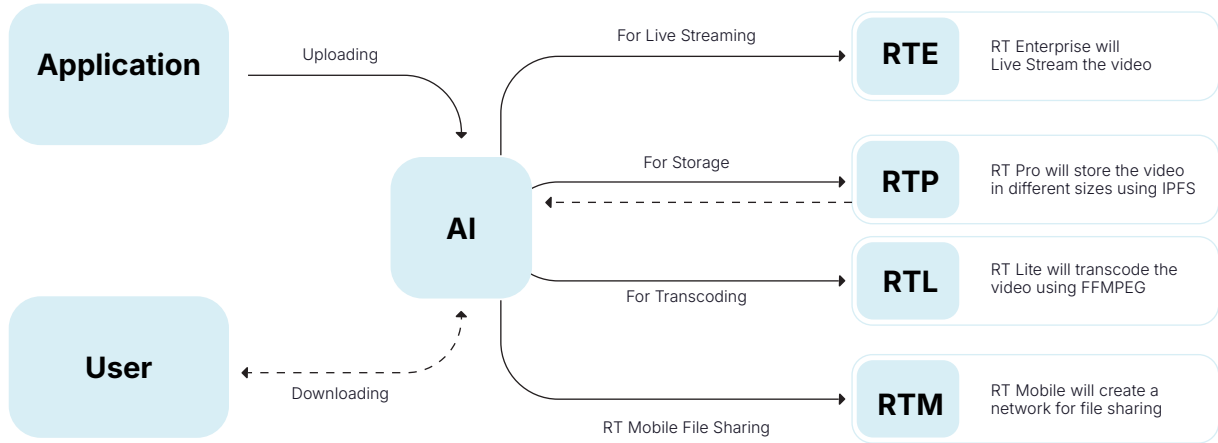
Staking in Mainnet 4.0

The amount of Rametron tokens you stake determines your Rametron node's status. As you stake more tokens, your node will automatically upgrade to the corresponding level. For example, if you have a Rametron Mobile node and stake enough tokens to qualify for a Rametron Pro, the network will automatically upgrade your node. Each upgrade may provide additional benefits, such as higher rewards or enhanced functionality, ensuring a more dynamic and scalable ecosystem.

RT Type	RTE	RTP	RTL	RTM
RTE	✓	✓	✓	✓
RTP		✓	✓	✓
RTL			✓	✓
RTM				✓

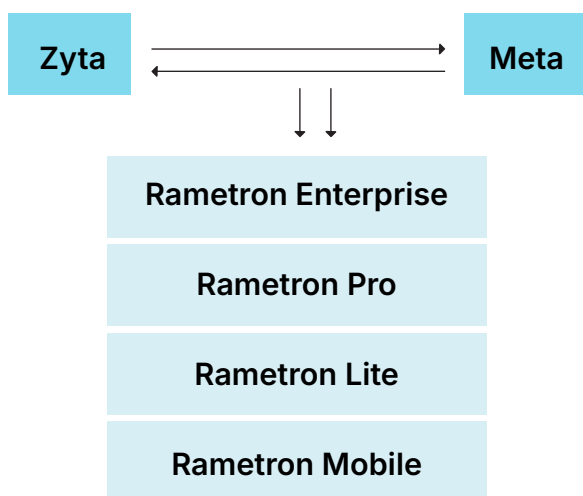
In Mainnet 4.0, each Rametron node will support other Rametron nodes to help power the Pando Network. For example, an RTE node will provide support to Rametron Enterprise (RTE), Rametron Pro (RTP), Rametron Lite (RTL), and Rametron Mobile (RTM) nodes. This mechanism is designed to balance the Pando Network based on the available PTX power, ensuring efficient distribution of resources and network stability.

Pando Network



The Pando Network is a decentralized blockchain-powered infrastructure designed to revolutionize video and data streaming, storage, transcoding, and file sharing. Unlike traditional centralized platforms that rely on single-point servers, the Pando Network leverages a distributed system of Rametron nodes to process and deliver content efficiently.

By decentralizing these critical functions, the network ensures higher security, faster data transfers, and cost-effective scalability. Users can participate by running Rametron nodes, contributing their spare bandwidth and computing resources to store, stream, and transcode data. In return, they earn PTX token rewards, fostering a sustainable ecosystem that operates without reliance on a central authority.



The Pando Network is a decentralized ecosystem where Zyta and Meta governance nodes regulate PTX power distribution. Below them, Rametron nodes—RTE (Enterprise), RTP (Pro), RTL (Lite), and RTM (Mobile)—handle live streaming, storage, transcoding, and data distribution. Mainnet 4.0 enhances interconnectivity, enabling nodes to support each other for balanced workload and optimal performance, ensuring a scalable and efficient decentralized network.

Mainnet 4.0: A Strategic Leap Forward

Mainnet 4.0, powered by Pando Farm, represents the culmination of these advancements. It simplifies technology deployment, enhances scalability, ensures resource stability, and fosters a more engaged community. By addressing the challenges of Mainnet 3.0, Mainnet 4.0 creates a robust, secure, and accessible platform that lays the foundation for future growth and innovation in decentralized technology.

Please take note that deployment of Pando Farm for public will only be available in Q2 of 2025

What is Pando Farm

Pando Farm is the cornerstone of the Pando Network, designed to deliver a seamless, decentralized infrastructure for storage, transcoding, file sharing, and live streaming. It consists of a network of decentralized servers—Rametron Enterprise, Pro, Lite, and Mobile—each tailored to specific tasks. This advanced system is managed entirely by Artificial Intelligence (AI), automating resource allocation, load balancing, and security. By eliminating the need for users to manage applications on personal devices, Pando Farm simplifies participation, making the Pando Network efficient, scalable, and user-friendly.

Pando Farm: A Community-Powered Decentralized Ecosystem

Pando Farm operates as a fully decentralized server network, powered by the Pando community, where independent decentralized servers collectively sustain the Pando Farm ecosystem. Each Pando Farm owner sets up their farm on a server and deploys services, contributing to the overall strength and efficiency of the network. By offering these decentralized services, PandoProject can maximize available resources, ensuring a fully integrated and self-sustaining blockchain ecosystem.

Pando Wallet & PTX Staking: The Power Behind PandoFarm

All Pando Farms must be powered by the Pando Wallet, which requires a minimum amount of PTX to be staked. This staking mechanism ensures stability, security, and a balanced distribution of network power. For example, a Rametron Enterprise (RTE) node can power RT Enterprise, RT Pro, RT Lite, and RT Mobile, ensuring that resources are distributed efficiently across the ecosystem.

By implementing staked PTX as the foundation of the Pando Farm infrastructure, the Pando Network maintains a strong, decentralized economy where computing power and resources are optimally balanced. This approach not only strengthens decentralization but also enables sustainable growth by ensuring that all Rametron nodes receive the necessary computing and network power.

Through this integrated staking and power-balancing mechanism, PandoProject ensures that every Pando Farm contributes to the larger decentralized network, creating a resilient, scalable, and high-performance ecosystem that benefits all participants.

Pando Farm Owners: Earning Through Staking & Community Growth

PandoFarm owners are rewarded monthly based on the amount of PTX staked to power their farm. The more PTX staked, the higher the farm's operational power and rewards. This incentive structure encourages continuous participation and investment in the network, ensuring long-term stability and decentralization.

Additionally, as more community members stake PTX and contribute to powering a PandoFarm, the farm owner's rewards increase proportionally. This means that a larger, more engaged community directly benefits all participants, as increased staking power leads to higher network efficiency, stability, and monthly earnings.

With this scalable and fair reward model, PandoProject creates a self-sustaining ecosystem where farm owners, community participants, and the network itself all grow together. By staking, powering farms, and strengthening the decentralized infrastructure, users not only support a blockchain-driven future but also earn passive rewards in the process.

How Pando Farm Works

Pando Farm is a sophisticated, AI-driven system that underpins the Pando Network's operations:

Decentralized Server Ecosystem

The Pando Farm comprises servers categorized by their unique functionalities:

- Rametron Enterprise: Powers decentralized live streaming.
- Rametron Pro: Supports storage solutions.
- Rametron Lite: Handles transcoding processes.
- Rametron Mobile: Facilitates file sharing across the network.

Community-Driven Power

The network is fueled by community members who stake PTX (Pando Tokens) using the Pando Wallet. Their contributions ensure the servers operate smoothly and support the network's decentralized services.

AI-Enabled Operations

Once powered, AI takes control, automating key operations:

- Allocating resources based on real-time demand.
- Balancing workloads across the network for optimal performance.
- Monitoring network health and mitigating potential issues.
- Implementing advanced security protocols to protect against threats.

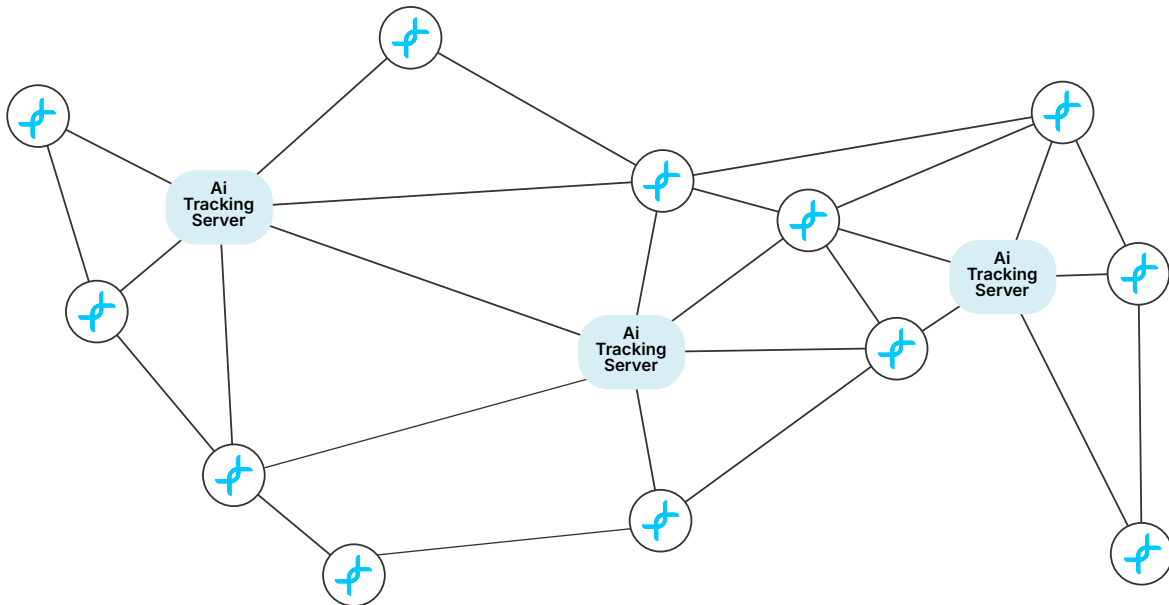
Scalability and Adaptability

The AI dynamically adjusts resources to meet changing demands, enabling the network to scale seamlessly without service disruptions.

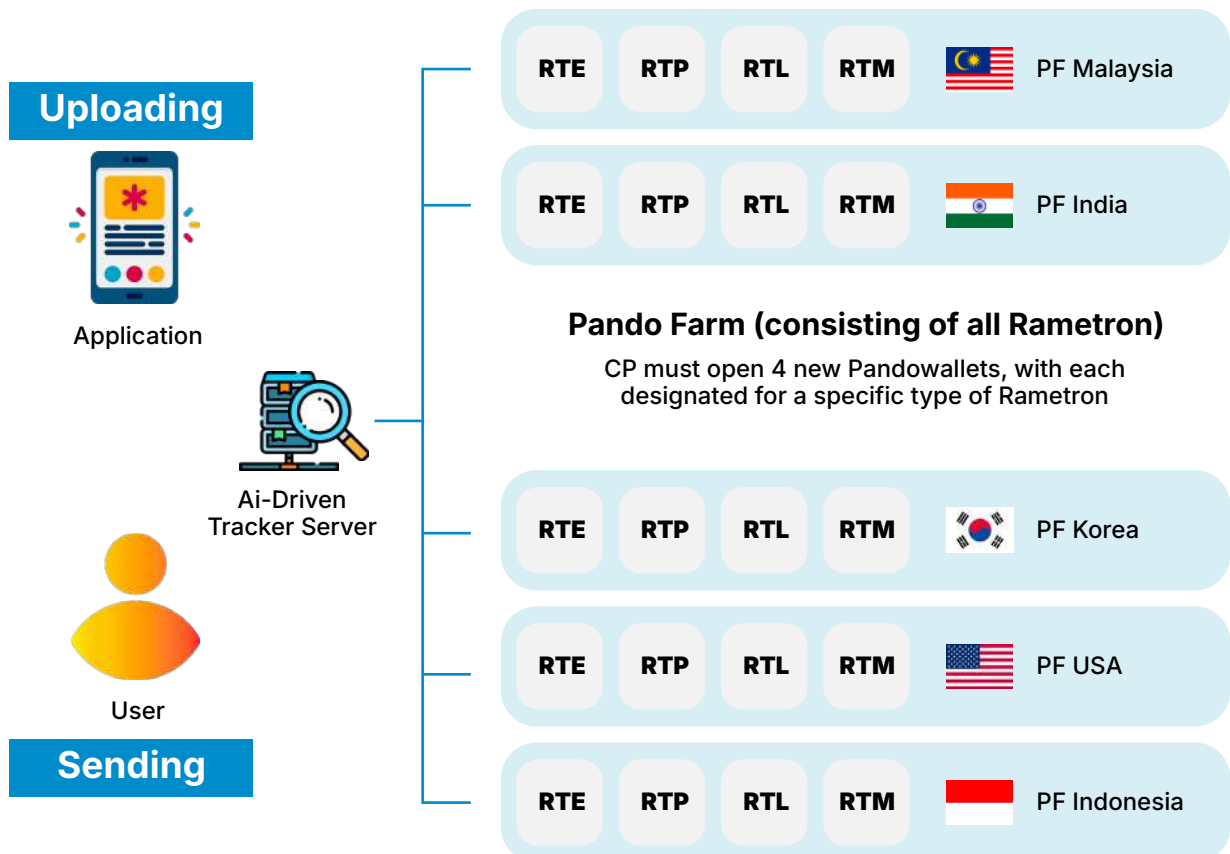
Streamlined Participation

Participants do not need to manage technical details or operate devices. By powering the Pando Farm with PTX, they actively contribute to the network while the AI ensures efficient operations.

Decentralised Pando Farm



 Represent Pando Farm



How the Community Can Participate



The Pando Farm network introduces a simplified and accessible model for community participation, allowing members to contribute meaningfully to its growth and operations.

Participation Through PTX

Community members play a vital role in the Pando Farm ecosystem by powering the network with PTX (Pando Tokens). This straightforward process enables them to contribute to essential network functions, including decentralized storage, transcoding, file sharing, and live streaming.

AI Management and Automation

Once PTX is contributed, the integrated Artificial Intelligence (AI) within the Pando Farm handles all operational complexities. Tasks such as resource allocation, load balancing, network monitoring, and performance optimization are fully automated, eliminating the need for constant manual oversight by community members.

Benefits of AI-Driven Participation

Ease of Use

The process of contributing PTX is simple, making participation accessible to everyone, regardless of technical expertise. This inclusivity lowers the barrier to entry, encouraging widespread community involvement.

Efficient Resource Management

The AI continuously monitors the network, dynamically adjusting resources to meet real-time demand. This ensures smooth operations and optimal performance for users and applications across the network.

Scalability

As more participants power the Pando Farm with PTX, the network seamlessly scales to handle increased demand. The AI efficiently manages this growth, maintaining stability and responsiveness even as the network expands.

Enhanced Network Security

With advanced automated security protocols, the AI safeguards the network against potential threats. It monitors for suspicious activities, swiftly detecting and neutralizing risks to enhance overall security.

Focus on Community Growth

By automating technical operations, the AI enables community members to prioritize strategic efforts such as educating new users, expanding the network, and fostering engagement. This shift in focus strengthens the network and promotes sustainable growth.

Contribution to Decentralization

Each contribution of PTX directly supports the decentralization of the network. This decentralization is essential for ensuring resilience, security, and independence from centralized control, reinforcing the foundational principles of the Pando Farm ecosystem.

By leveraging PTX and AI-driven automation, the Pando Farm empowers its community to play a key role in the evolution of decentralized technology, fostering a collaborative and resilient network for the future.

Blockchain Rules

Rewards

Stake Mechanism in PandoProject

PandoProject uses the Proof-of-Stake (PoS) protocol to create a decentralized, secure, and efficient blockchain network. Instead of using energy-intensive mining like Proof-of-Work (PoW), PoS allows users to stake PTX tokens to support the network and earn rewards.

How Staking Works in PandoProject

Decentralization & Security

- Staked PTX helps secure the network and keeps control distributed across many users.
- Staking reduces the risk of fraud and attacks, as users must hold PTX to participate.
- The network stays decentralized, with no need for miners.

Participation & Staking Tiers

- Users stake PTX to activate and support Rametron nodes, which help run the network.
- The more PTX staked, the greater the participation and potential rewards.

Staking supports different types of nodes:

Zyta
Meta
Rametron Enterprise (RTE)
Rametron Pro (RTP)
Rametron Lite (RTL)
Rametron Mobile (RTM)

Earning Rewards

- Users earn rewards for staking PTX and helping secure the network.
- Rewards depend on how much is staked and how long it remains in the system.
- More staking leads to a stronger network and better rewards for participants.

Energy Efficiency & Sustainability

- PoS is energy-efficient, requiring far less power than mining-based systems.
- It supports eco-friendly blockchain operations, making it a sustainable choice for decentralization.

Community Governance

- Stakers can help shape the network, voting on upgrades, policies, and ecosystem decisions.
- This ensures PandoProject remains a community-driven platform.

By using Proof-of-Stake, PandoProject creates a secure, decentralized, and energy-efficient blockchain where users can stake PTX, power the network, and earn passive rewards. This system ensures long-term stability while allowing the community to actively participate in the project's growth.

Staking Rewards (PTX)

Governance Nodes

Node	Stake	Top Up Stake	Rewards
Zyta	10,000,000	1,000,000	Daily every 100 Blocks
Meta	300,000	10,000	Daily every 100-500 Blocks

Utility Nodes

Node	Stake	Top Up Stake	Rewards	Annual Reward
Rametron Ent	180,000 Above	1000	Monthly	10%
Rametron Ent	90,000-179,999	1000	Monthly	7%
Rametron Pro	67,500 - 89,999	1000	Monthly	6%
Rametron Pro	45,000 - 67,499	1000	Monthly	5%
Rametron Lite	33,750 - 44,999	1000	Monthly	4.5%
Rametron Lite	22,500 - 33,749	1000	Monthly	4%
Rametron Mobile	11,250 - 22,499	250	Monthly	3.5%
Rametron Mobile	1,000 - 11,249	250	Monthly	3%

Transaction Fees in Pando Network

All transactions in the Pando Network have a fixed fee of 0.5 PTX, including:

Transfers	Withdrawals	Staking
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All transaction fees will be burned, permanently reducing the total PTX supply. This helps to:

- Maintain network stability
- Support long-term value appreciation
- Prevent excessive transactions and spam
- This burn mechanism ensures a sustainable and balanced blockchain ecosystem while keeping transactions simple and fair for all users.

Withdrawal in Pando Network

The withdrawal process in Pando Network is structured to ensure security, fairness, and stability within the ecosystem.

Withdrawal Rules

No Rewards After Initiation: Once a withdrawal is initiated, staked PTX stops earning rewards and remains in an unlocked state until fully withdrawn.

Block Height-Based Execution: Withdrawals are automatically processed when the block height reaches approximately 1.2 million (3 months approximately from time of initiation) from the time of initiation.

Automatic Transfer: Once eligible, the withdrawn PTX is sent directly to the user's Pando Wallet by the Pando Network

This system ensures predictability, decentralization, and smooth network operations, preventing sudden liquidity issues while maintaining the efficiency of the staking ecosystem.

Licensing Fee to Power PandoFarm (POE)

The PandoFarm licensing model operates on a 12-month basis, allowing users to power and support the decentralized infrastructure of PandoFarm. This system ensures sustainability, fair participation, and long-term network stability, enabling users to deploy and manage decentralized services efficiently.

**Subject to Farm Utilisation.*

**Subject to be revised every 6 months based on the PTX price.*

RT Type	License Fee (PTX)	Yearly Rewards (PTX)
RTE	4,000	12,600
RTP	2,000	5,400
RTL	1,000	2,700
RTM	150	360

How the PandoFarm Licensing Fee Works:

Annual Activation: Users must pay a fixed licensing fee every 12 months to maintain their PandoFarm node and keep it operational.

Decentralized Network Contribution: By obtaining a license, users can set up and power their farm, providing storage, transcoding, file sharing, and live streaming to the Pando Network.

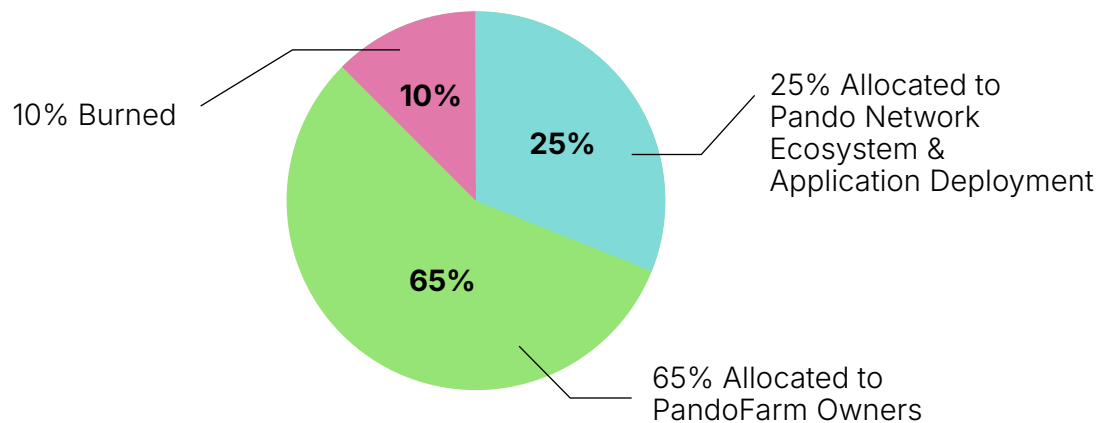
Automated Monthly Rewards: Once activated, node operators earn monthly rewards based on their staked PTX and contribution level in the ecosystem.

Strengthening the PandoFarm Ecosystem: Licensed nodes play a key role in decentralization, ensuring seamless operations, optimized resource distribution, and improved blockchain efficiency.

PandoFarm Licensing & Fee Distribution (POE)

To power the PandoFarm, the community must connect their wallet to the PandoFarm using a licensing code. This licensing code must be purchased from the PandoFarm owner, enabling community members to stake PTX and contribute to decentralization.

The collected licensing fees will be distributed based on the following rules to ensure network sustainability, infrastructure support, and ecosystem development:



10% Burned (Supply Reduction)

10% of the total licensing fees will be burned, permanently reducing the PTX total supply. This mechanism helps increase PTX scarcity, which can potentially enhance its long-term value.

65% Allocated to PandoFarm Owners

65% of the collected licensing fees will go to the PandoFarm owner to cover the costs of infrastructure, servers, support, and maintenance.

This allocation ensures that farm owners can sustain high-performance decentralized operations while incentivizing continued participation.

25% Allocated to Pando Network Ecosystem & Application Deployment

25% of the licensing fees will be allocated to the Pando Network ecosystem to maintain network stability and continuous application deployment.

This ensures ongoing blockchain improvements, upgrades, and the development of new decentralized applications (dApps) within the ecosystem.

PandoFarm Owner Rewards

Each PandoFarm owner must promote their PandoFarm to the community, ensuring active participation and staking. The community powers the farm using the licensing model, and the optimum total stake from the community for each PandoFarm owner is 10 million PTX.

- PandoFarm owners must work with their communities to ensure farms are fully powered by active participants.
- Higher staking levels result in greater stability and rewards, benefiting both the farm owner and the supporting community.
- Stake contributions beyond 150% of the optimum stake will receive higher-tier rewards based on the percentage of the total stake.

Monthly Rewards Based on Community Staking Percentage

Farm owners earn monthly staking rewards based on how much stake their community contributes relative to the optimum stake. The reward system is structured as follows:

**Subject to Farm Utilisation.*

**Subject to be revised every 6 months based on the PTX price.*

**Minimum threshold 5,000,000.*

Stake (%)	Monthly Rewards (PTX)	Remark
Less than 100% Stake	0.05%	Min 5,000,000 Stake
100% Stake	0.1%	Min 10,000,000 Stake
More than 100% Stake	0.15%	Min 15,000,000 Stake

- The more the community powers the farm, the higher the rewards for the farm owner.
- 100% stake (10 million PTX) is the base level, granting 0.05% PTX monthly.
- Farm owners who attract more than 100% stake earn 0.15% PTX monthly rewards.
- Stake contributions beyond 100% significantly increase earnings, ensuring strong community participation.

Community members interested in being an active contributor in the Pando Farm can contact their respective Country Partners for further details.

Hierarchical Support System in Mainnet 4.0

In Mainnet 4.0, higher-tier Rametron nodes support lower-tier nodes, ensuring efficient resource distribution and network stability. This tiered support system allows for optimal decentralization, as more powerful nodes help sustain and balance the entire Pando Network.

Rametron Enterprise (RTE)	The highest-tier node, supporting RTE, RTP, RTL, and RTM by distributing network power and resources.
Rametron Pro (RTP)	Supports RTP, Rametron Lite (RTL) and Rametron Mobile (RTM) by assisting in processing and scaling network operations.
Rametron Lite (RTL)	Supports RTL, Rametron Mobile (RTM) by handling decentralized tasks such as transcoding and file processing.
Rametron Mobile (RTM)	The entry-level node, benefiting from the support of higher-tier nodes while contributing to file sharing and lightweight network tasks.

This structured hierarchy ensures load balancing, efficient PTX power distribution, and smooth decentralized operations. By integrating a multi-tiered support mechanism, PandoFarm maintains a robust and scalable ecosystem, allowing all nodes to function harmoniously and efficiently within the network.

The PandoFarm licensing system, combined with Mainnet 4.0's hierarchical node structure, ensures that every participant actively contributes to network operations and decentralization while receiving fair rewards for their role in powering the ecosystem. By operating on a 12-month cycle, this model promotes long-term engagement, ecosystem stability, and a sustainable decentralized economy.

PTX Blockchain Statistics

Total Blocks	15,440,119	Total Supply	1,500,000,00
Total Transactions	17,102,567	Total Staked (%)	63.70%
Total Circulating Supply	281,150,701	Total Stake	631,560,255



Rametron Stake	137,782,824	RT Enterprise Stake	71,456,557
Meta Stake	183,666,320	RT Pro Stake	15,107,906
Zyta Stake	310,111,111	RT Lite Stake	49,805,016
		RT Mobile Stake	3,826,643
Rametron Wallet	13,900	RT Enterprise Wallet	1,702
Meta Wallet	2,031	RT Pro Wallet	667
Zyta Wallet	33	RT Lite Wallet	8,331
		RT Mobile Wallet	3,200

Dated Feb 2025

The PTX Blockchain Statistics as of February 2025 provide key insights into the network's growth, activity, and staking distribution. The blockchain has processed **15,440,119** blocks and recorded **17,102,567** transactions, reflecting high activity and widespread adoption. With a circulating supply of **281,150,701** PTX, the network maintains a robust token economy.

Of the 920 million total PTX supply, **63.70%** is staked, amounting to **631,560,255** PTX. This high staking percentage demonstrates strong community engagement and commitment to decentralization. Staking distribution includes **137,782,824** PTX held by Rametron nodes, **310,111,111** PTX staked by Zyta governance nodes, and **183,666,320** PTX by Meta nodes.

Among the Rametron stakes, Enterprise (RTE) nodes hold the largest share at **71,456,557** PTX, followed by Pro (RTP) nodes with **15,107,906** PTX, while Lite (RTL) and Mobile (RTM) nodes each stake **3,826,643** PTX.

These statistics highlight strong staking participation, efficient token distribution, and growing blockchain activity, reinforcing the Pando Network's stability, decentralization, and long-term sustainability.

As we move forward with the Mainnet 4.0 deployment, our goal is to increase total staking to 75% by 2026. This will be achieved by expanding Country Partnerships to promote available nodes in the ecosystem. Additionally, targeting both B2B and B2C strategies will enhance community participation. Increased staking will significantly reduce the circulating supply, positively impacting PTX market value.

Furthermore, as more applications are integrated into the ecosystem, demand for PTX is expected to rise, further driving its value. We foresee strong growth potential for PTX following the launch of Mainnet 4.0 in the first quarter of 2026.

BAAS Deployment Details

PandoProject's Blockchain as a Service (BaaS) is designed for businesses, developers, and individuals looking to be part of a decentralized future. Our decentralized infrastructure for storage, transcoding, file sharing, and live streaming makes blockchain technology more accessible, secure, and cost-effective.

Currently, we are working closely with Birds Analytics, EV Bahan Control, TawkwithAi, Mobilab, and Vital Sense to test and refine our services. This closed testing phase ensures that our decentralized ecosystem operates at its optimum level and can effectively support the required services. These partners are integrating our solutions into AI, healthcare, EV systems, and digital communication. Once the system is stable, we will open access to more businesses and individuals.

With the support of Country Partners, we are building a strong, global community where everyone can benefit from blockchain technology. Whether you need secure storage, seamless file sharing, or high-quality live streaming, PandoProject provides the tools to make it possible. If you're interested in joining this movement, reach out to your Country Partner for more details.

PandoProject also aims to create more employment opportunities, as the promotion and sales of our partners' solutions can be driven by our growing community. Additionally, our community members can collaborate with businesses in their countries to provide tailored blockchain solutions. Country Partners will help coordinate these efforts, ensuring smooth implementation and sharing further details when needed.

Blockchain as a Service (BaaS)

Blockchain as a Service (BaaS) is a cloud-based solution that allows businesses, developers, and organizations to build and use blockchain applications without needing to set up or maintain complex blockchain infrastructure. With BaaS, users can access blockchain technology in a simpler, more cost-effective way, enabling them to focus on their applications rather than technical challenges.

Key Benefits of BaaS

1. Easy Blockchain Adoption

BaaS makes it easier to use blockchain by providing ready-made tools and platforms. Users can access blockchain networks through web interfaces, APIs, and development kits without needing deep technical knowledge.

2. Lower Costs

Instead of spending large amounts on setting up and maintaining blockchain networks, businesses can use BaaS on a pay-as-you-go basis. Since BaaS runs on cloud services like Amazon Web Services (AWS), Microsoft Azure, and IBM Cloud, users only pay for what they use. This makes blockchain more affordable for startups and enterprises.

3. Flexibility and Customization

BaaS supports different blockchain networks, such as Ethereum and Hyperledger Fabric. Users can choose the one that fits their needs and customize it without having to build a blockchain from scratch.

4. Faster Development

BaaS speeds up blockchain development by providing pre-built smart contracts and development tools. This allows developers to focus on business solutions rather than complicated coding, reducing the time needed to launch their applications.

5. Security and Scalability

BaaS providers handle security with encryption, identity management, and transaction monitoring. They also manage scalability, ensuring that blockchain applications can grow as user demand increases.

6. Seamless Integration

BaaS solutions can connect with existing business systems, databases, and software, making it easy to integrate blockchain technology without disrupting current operations.

7. Hassle-Free Maintenance*

The BaaS provider takes care of maintenance, updates, and infrastructure improvements. This allows businesses to focus on their applications while ensuring the blockchain network remains secure and up-to-date.

BaaS simplifies blockchain adoption, making it accessible and practical for businesses of all sizes. By offering a ready-to-use, cost-effective, and scalable solution, BaaS helps companies integrate blockchain technology without the technical complexity, paving the way for wider adoption and innovation.

Business to Business (B2B)



Owner Country : USA

Services Offered by us : Storage, File Sharing

<https://birdanalytics.ai>

Launch Date : March 2025

BirdAnalytics is an AI-driven analytics platform designed to provide real-time insights through machine learning, anomaly detection, and self-service analytics. It enables businesses to visualize complex data, integrate multiple sources, and leverage AI-powered decision-making for improved operational efficiency. With embedded analytics, automated reporting, and customizable dashboards, organizations can gain deeper insights with minimal effort. The platform also ensures robust data management, governance, and security, making it a scalable solution for enterprises seeking data-driven transformation. Mobile accessibility allows for seamless monitoring and decision-making anytime, anywhere.

Accurate Answers, Actionable Insights — Driven by Intelligent Analytics!

Driven by Intelligent Analytics – Smarter data, accurate answers, and actionable insights – All In One platform.

Give your data wings to fly today with Bird! It's time to make your data work for you.





- Owner Country:** India
- Services Offered by us:** Storage, Blockchain
- https://evbahancontrols.com**
- Launch Date :** March 2025

EV Bahan is a comprehensive EV charging station management software designed to support businesses in deploying and managing EV charging infrastructure efficiently. It offers white-label solutions, enabling companies to brand and customize their own PWA and mobile apps for end users. The platform includes a *Charging API-as-a-Service, facilitating seamless integration with various third-party systems, while its **hardware-agnostic framework* ensures compatibility with different EV chargers. With real-time monitoring, remote diagnostics, and automated billing, EV Bahan enhances the overall charging experience while optimizing operational efficiency for businesses.

Your Partner in Building Intelligent and Future-Ready

EV Charging Station Management Software!

OUR offering

Drive the electric revolution with EV Bahan – your partner for sustainable mobility solutions.

- **Effortless Charging Network Setup**
- **Multiple Payment Systems**
- **Driver Support in Minutes**
- **Global Currency Acceptance**
- **Government Tender Support**
- **Country-Specific Compliance**
- **Comprehensive EV Charging Solutions**
- **Advanced Fleet Management for Agencies**
- **Incentive Integration**
- **Customization for Unique Requirements**



Owner Country: Malaysia, Thailand, India


Services Offered by us: Storage


https://www.tawkwith.ai


Launch Date : March 2025


TawkWith.ai is an AI-driven, no-code platform that enables businesses to create intelligent chatbots with ease. By simply uploading documents or providing website links, users can train chatbots to understand and respond to queries based on their specific needs. These chatbots can be seamlessly embedded into websites, enhancing customer support, automating responses, and improving overall user engagement. The platform also offers advanced features such as chatbot analytics, branding customization, and integration with other business tools, making it a versatile solution for various industries. With its intuitive approach, TawkWith.ai simplifies AI-powered communication, allowing businesses to provide instant, accurate, and scalable support without requiring technical expertise.

Get Started in 60 Seconds!

- 

1. Login With Your Account
Sign up for a free account with your email.
- 

2. Upload Your Documents
Upload your documents or enter your website URL to train your chatbot
- 

3. Customize Your Chatbot
Customize the look and feel of your chatbot including colors and your company logo
- 

4. Embed Chatbot On Website
Embed the chatbot on your website using <script> tag or iframe

Tawkwith.ai Features

 <p>Instant Chatbot Create customized chatbots in minutes with your Pdf or website URL.</p>	 <p>Automate Your Customer Service Let our chatbot handle your customer service chats, while your team focuses on more important tasks.</p>	 <p>Always Reliable With our chatbot, you can be confident in its ability to provide accurate answers. If it doesn't have the answer, no worries! It'll tag in a human teammate to assist.</p>
 <p>Chat Analytics Monitor and analyze customer interactions with automated metrics and visual aids.</p>	 <p>Own Your Branding Match your chatbot with your brand's look and feel easily.</p>	 <p>Simple Integration No headaches - just copy and paste our API to embed your new chatbot into your website.</p>

Business to Consumer (B2C)



Owner Country: Malaysia

Business Model : B2C

Services: Storage, File Sharing

<https://www.mobilab2u.com>

Mobilab2u is an on-demand healthcare service in Malaysia that connects patients with medical professionals for at-home health tests and consultations. Through their platform, users can schedule medical tests without visiting hospitals or clinics. The service collaborates with certified healthcare providers who perform tests at patients' homes and ensure samples are delivered to partner laboratories for analysis. Additionally, Mobilab2u offers remote consultations with doctors and counselors, making healthcare more accessible and convenient.

Welcome to Mobilab2u.com

Welcome to Mobilab2u, a new on-demand healthcare service platform that aims to medical convenience to the doorstep of individuals while helping healthcare professionals supplement their income.

[Register](#) [Learn more](#) →

Our Lab Partners

Our Partners

We partner with established laboratories and pathology centers to process our medical and health test results, with quick turnaround times.



The Synapse Ideal

Synapse Sdn Bhd, a Synagene company, is a specialised genetic testing laboratory. It also runs Nexus Medlabs Sdn Bhd, a healthcare screening and diagnostic laboratory, and MedicSkills Sdn Bhd, a skills-based training provider.



Pantai Premier Pathology

Pantai Premier Pathology Sdn Bhd has laboratories in the Pantai group of hospitals, Gleneagles hospitals, and non-hospital-based branches within Malaysia. Their reference core laboratory is located in Pantai Hospital Ampang.



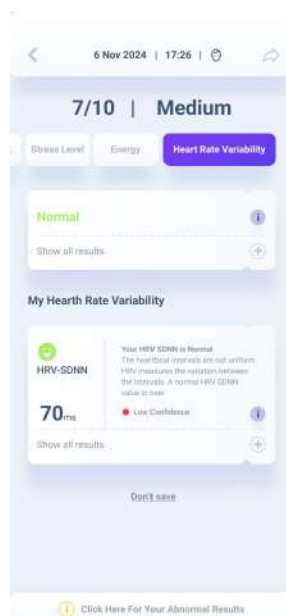
Owner Country: Thailand

Business Model : B2C

Services Offered by us: Storage, Blockchain

Tentative Launch in Quarter 2 of 2025

VitalSense is a software-based platform that enables non-invasive health monitoring using smartphone cameras and wearable devices. It measures key vitals such as heart rate, blood pressure, oxygen levels, and stress, with future plans for bloodless glucose and hemoglobin testing. Designed for continuous tracking, it supports telemedicine, early detection of chronic conditions, mental health monitoring, and safety features like fall detection. By integrating AI-driven analytics and real-time monitoring, VitalSense enhances preventive healthcare, making remote health assessments more accessible, efficient, and data-driven.





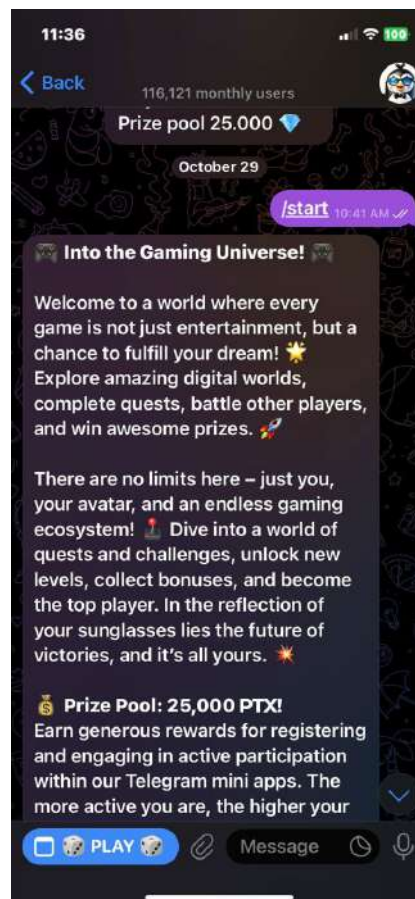
Owner Country: Malaysia, Thailand, India

Business Model : B2C

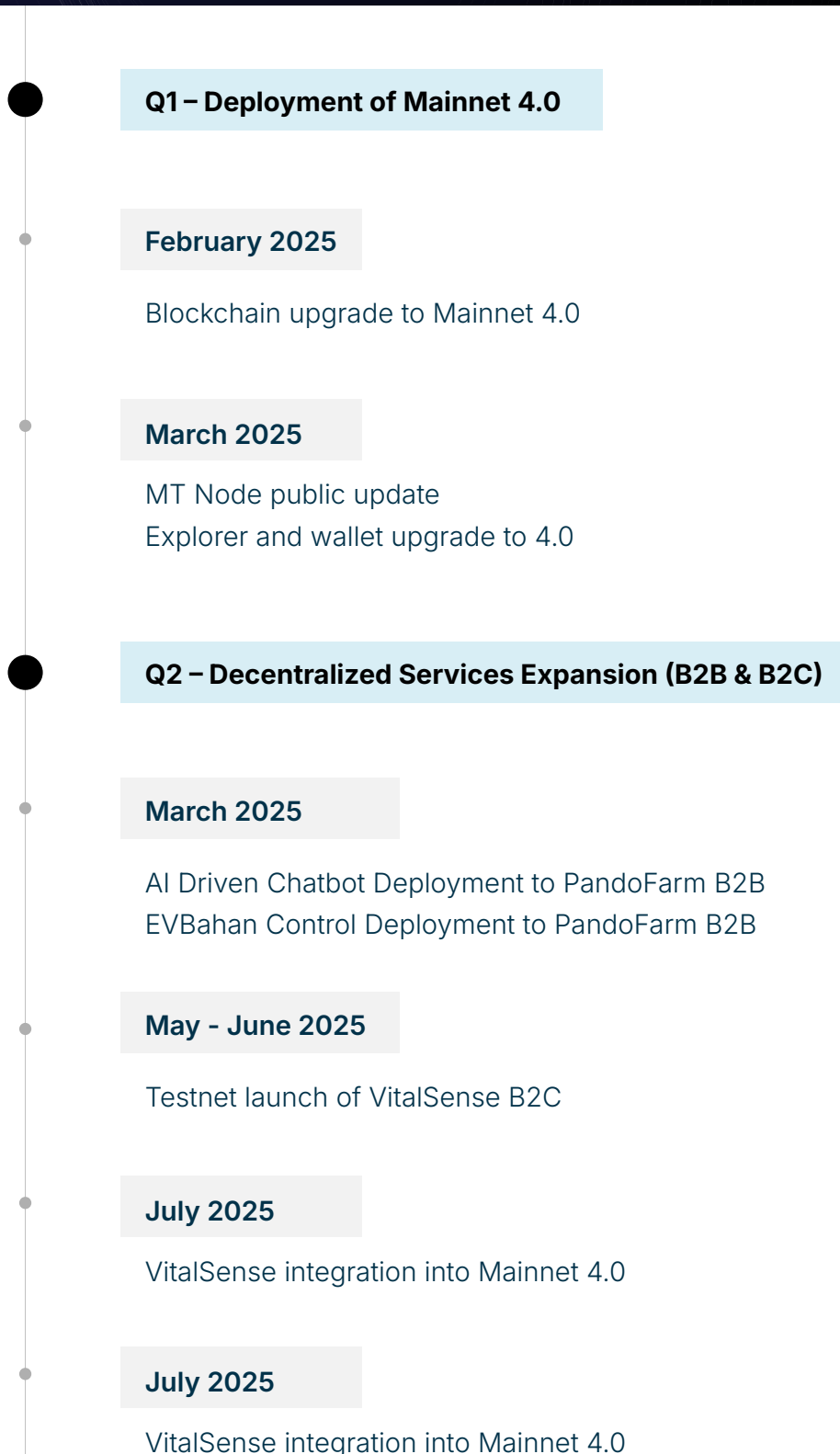
Services Offered by us: Storage

Tentative Launch in Quarter 2 of 2026

We are developing a *Telegram In-Game App* that seamlessly integrates with the platform, offering an interactive gaming experience without requiring additional downloads. Built using Telegram's Bot API and Web Apps, the game will feature real-time interactions, multiplayer support, and automated engagement through a dedicated bot. The backend will manage game states, leaderboards, and user progression, ensuring a smooth and immersive experience. Players will be able to launch the game directly from chats or channels, with intuitive controls and social features that encourage community participation. This project aims to combine accessibility and entertainment, creating a dynamic and engaging experience within Telegram's ecosystem and exploring blockchain within it.



Timeline of Mainnet 4.0 (6 Months)



Technology Partner



Server Provider



Security



Livestreaming



Security

Exchanger



Contact

@ marketing@pandolab.io

 **Pandolab Pte. Ltd.**

✉ support@pandolab.io

 **Ltd. 68 Circular Road, #02-01,
049422, Singapore**

Social Media

✕ x.com/pandoprojectorg

📌 t.me/pandoproject

📷 www.instagram.com/pandoprojectorg

📺 [@pandoprojectorg](https://www.youtube.com/@pandoprojectorg)

f facebook.com/pandoprojectorg

🎵 [pandoprojectorg](https://www.tiktok.com/pandoprojectorg)

Disclaimer

In consideration of Pandolab Pte. Ltd. (the "Company") providing this Whitepaper to the recipient, the recipient acknowledges that the contents of this Whitepaper are confidential to the Company and the recipient agrees not to disclose, distribute or permit to be communicated verbally, directly or indirectly or otherwise, or to otherwise publish the contents of this Whitepaper except with the prior written consent of the Company. For the purposes of this acknowledgement "recipient" includes, without limitation, any principal, employee or agent of the recipient.

This Whitepaper, and any offers made within it, is solely for Participants. This Whitepaper provides a summary of the main features of the Company. It contains general advice only and has been prepared without taking into account any participant's objectives, financial situation or needs. Participants should read the Whitepaper carefully and assess whether the information is appropriate for them in respect of their objectives, financial situation and needs.

This Whitepaper does not purport to contain all the information that a prospective participant may require. In all cases, interested parties should conduct their own investigation and analysis of the Company and the data contained in this Whitepaper.

The Company does not make any representation or warranty as to the accuracy or completeness of the information contained in this Whitepaper. Furthermore, the Company shall not have any liability to the recipient or any person resulting from the reliance upon this Whitepaper in determining to make an application to apply for shares in the Company.

The Company considers that the financial and non-financial information contained in this Whitepaper has been prepared to the best of its reasonable knowledge and ability. However, recipients must rely on their own investigation of all financial information and no representations or warranties are or will be made by the Company as to the accuracy or completeness of such information.

The Company makes no representation about the underlying value of the tokens on offer. Prospective participants must make their own assessment about whether the price of the tokens being offered represents fair value.

Participant Warning

Participation in a token sale carries high risks. It is highly speculative and before participating in any project about which information is given, prospective participants are strongly advised to seek appropriate professional advice;

The information contained in this Whitepaper has been prepared by or on behalf of the Company. Pandolab Pte. Ltd. has not undertaken an independent review of the information contained in this Whitepaper.

Prominent Statements

The information contained in this Whitepaper about the proposed business opportunity is not intended to be the only information on which a decision is to be made and is not a substitute for a disclosure document, or any other notice that may be required under law. Detailed information may be needed to make a token participation decision;

Prospective participants should be aware that no established market exists for the trading of any tokens that may be offered.

Future Statements

Except for historical information, there may be matters in this Whitepaper that are forward-looking statements. Such statements are only predictions and are subject to inherent risks and uncertainty. Forward-looking statements, which are based on assumptions and estimates and describe the Company's future plans, strategies, and expectations are generally identifiable by the use of the words 'anticipate', 'will', 'believe', 'estimate', 'plan', 'expect', 'intend', 'seek', or similar expressions. Participants are cautioned not to place undue reliance on forward-looking statements. By its nature, forward-looking information involves numerous assumptions, inherent risks and uncertainties both general and specific that contribute to the possibility those predictions, forecasts, projections and other forward-looking statements will not occur. Those risks and uncertainties include factors and risks specific to the industry in which the Company operates as well as general economic conditions. Actual performance or events may be materially different from those expressed or implied in those statements.

All forward-looking statements attributable to the Company or persons acting on behalf of the Company are expressly qualified in their entirety by the cautionary statements in this section.

Except as expressly required by law, the Company undertakes no obligation to publicly update or revise any forward-looking statements provided in this Whitepaper whether as a result of new information, future events or otherwise, or the risks affecting this information.

None of the Company, its officers or any person named in this Whitepaper with their consent, or any person involved in the preparation of this Whitepaper, makes any representation or warranty (express or implied) as to the accuracy or likelihood of fulfilment of any forward-looking statement except to the extent required by law. The forward-looking statements reflect the views held only as at the date of this Whitepaper.

Value Risks

Tokens issued by Pandolab Pte. Ltd. may drop substantially in value, or may remain illiquid for long periods of time or indefinitely. Pandolab Pte. Ltd. cannot guarantee an active secondary market for the exchange of tokens purchased in the token sale. Not all disclosures or statements are being made in this disclaimer section. Participants should review the token sale agreement in its entirety and seek the professional advice of legal counsel and investment professionals.

PTX (Pando Token) may change in value based on a number of factors that are outside our control. There is no guarantee or expectation that PTX (Pando Token) will increase in value, provide a return, or have sufficient adoption and liquidity on exchanges. Owning these tokens does not constitute a share of equity or ownership in the company. The token economy is new and exciting. Regulatory circumstances may require that token mechanics be changed or altered.

PTX (Pando Token) do not have any rights, uses, purpose, attributes, functionalities or features, express or implied, including, without limitation, any uses, purpose, attributes, functionalities or features on the Pandolab Pte. Ltd. platform. Company does not guarantee and is not representing in any way to buyer that the PTX (Pando Token) have any rights, uses, purpose, attributes, functionalities or features. PTX (Pando Token) may have no value. The company reserves the right to refuse or cancel PTX (Pando Token) purchase requests at any time at its sole discretion.

Not a Security

It is important to note that any tokens issued on Pandolab Pte. Ltd.'s platform are not intended to be securities, and this document is not a prospectus, offering document or a solicitation for investment in a share or equity offering. Tokens issued on our platform as referenced in this document do not confer any type of ownership or debt within Pandolab Pte. Ltd.'s ecosystem. Tokens currently trading or issued in the future are non-refundable. Pandolab Pte. Ltd. will not guarantee any value, secondary market, or commitments to the value of such tokens. Buyer and owners shall participate in each economy at their sole risk.