



2023'Q3 REPORT

Hathor Labs

Dear Hathor Network Community,

I am absolutely thrilled to address you today as the newly appointed CEO of Hathor Labs. Joining Hathor Labs has been an extraordinary experience, and I am profoundly honored to be a part of such an exceptionally talented and passionate team.

Over the past quarter, we have been hard at work, meticulously reviewing ongoing projects and reshaping our strategies to bolster our presence in Brazil, our stronghold. This vibrant market, renowned for its pioneering spirit, particularly in the finance sector, is home to robust private and public initiatives. Brazil's palpable enthusiasm for blockchain technology is undeniable, and we are wholeheartedly committed to harnessing this energy to propel our growth and success in the region.

Simultaneously, we recognize the critical importance of expanding our global footprint. By addressing a pool of potential global customers Hathor is dedicating more resources and energy than before to transform this vision into reality. Additionally, we recognize various international transformations in the field. The Kingdom of Bhutan, for example, is planning to invest in proof-of-work mining processes to tap into their abundant Himalayan water energy resources, which could support the global proof-of-work ecosystem.

As the new CEO, one of my paramount priorities is to ignite a culture of innovation within Hathor Network. Innovation is the lifeblood of our industry, and we are uniquely positioned to be pioneers. We will make significant investments in research and development to unveil groundbreaking solutions that will not only enrich our existing community, but also entice new partners and users from around the world to become part of our thriving global ecosystem.

I extend a heartfelt invitation to each and every one of you to join us on this thrilling journey. Your support and active participation are crucial to our shared success.

Sincerely,



VOLKER KUEBLER
CEO OF HATHOR LABS

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EXECUTIVE SUMMARY

We have selected the main milestones of Q3'23 for those who want to quickly be updated about our latest progress, but we strongly encourage you to read through the full report.

01 PRODUCT RELEASES AND UPDATES

Nano Contracts — In Q3, our focus remained on enhancing Nano Contracts, with notable progress including support integration into the Headless Wallet, blueprint improvements, and code transparency. We released parts of the Nano Contracts code to the public, with a commitment to make it entirely open-source. Additionally, we completed an economics review for Nano Contracts, leading to valuable recommendations for consideration and feedback from development partners.

02 USE CASES

Vórtx QR Tokenizadora — Vórtx QR Tokenizadora has achieved a notable milestone by tokenizing a multimarket fund reaching more than \$ 6 million (≈ R\$30 million) in token emissions, all secured in Hathor Network.

In Q1 2023, the Brazilian Securities Commission (CVM) granted authorization to the platform to issue the first-ever tokenized Real Estate Receivable Certificates (CRI) and Agribusiness Receivable Certificates (CRA) in Brazil. In perfect alignment with this expanded scope, Tokenizadora has initiated a new project in collaboration with AGBI, an independent asset management company specializing in investments in real assets in Brazil. AGBI is led by partners with a proven track record of success in investment management in the agriculture, real estate, and Brazilian financial markets.

It's truly exciting to witness how Vórtx QR Tokenizadora is diversifying its portfolio and actively engaging with regulators and market participants to enhance the speed and efficiency of the financial market.

03 PARTNERSHIPS

DINAMO Network — We are excited to announce our partnership with DINAMO Network, a leading provider of cryptographic solutions and certified cryptographic hardware (HSM) manufacturers. With over 17 years of experience, DINAMO Network secures transactions in Brazil, including PIX and TEDs. Their DINAMO Blockchain ensures the secure management of cryptographic keys, offering tamper-proof protection and distributed access control. This partnership signifies a milestone in our blockchain journey, enhancing our leadership in asset tokenization for traditional finance and real-world assets.

USE CASES HIGHLIGHTS

▶ VÓRTX QR TOKENIZADORA

Valor ECONÔMICO | Cryptocurrencies

Vórtx QR issues 'tokenized' multimarket

Operation takes place within the regulatory sandbox environment of the Securities and Exchange Commission

Vórtx QR Tokenizadora, in partnership with AGBI, has reached a significant milestone by successfully tokenizing a multimarket fund within the regulatory sandbox of the Brazilian Securities and Exchange Commission (CVM). This achievement involves the sale of \$ 6 million (R\$30 million) worth of fund units registered on Hathor Network's blockchain. The fund's underlying assets are focused on agricultural land, aligning with AGBI's specialization in revitalizing degraded pasture lands.

This fund is linked to agricultural land, falling within AGBI's area of expertise, specializing in optimizing degraded pasture lands. Gustavo Fonseca, Managing Partner at AGBI, explains that the company acquires these lands for restoration and subsequently sells them under favorable conditions for cultivation. "Degraded land after pasture typically values between \$ 5,000 (R\$25,000) and \$ 6,000 (R\$30,000) per usable hectare, whereas arable land is valued at \$13,000 (R\$65,000) to \$14,00 (R\$70,000). We lease the degraded areas for restoration and then sell them to various buyers, including lessees, local farmers, and companies," he explains.

While this strategy is employed by AGBI's master fund, the tokenized multimarket fund in partnership with Vórtx QR will balance investments between the master fund and fixed-income securities tied to CDI rates. "We decided to structure it

as a multimarket fund to attract investors with a lower average ticket size. Our master fund requires a minimum investment of \$200,000 (R\$1 million) and has an average ticket size of \$1,6 million (R\$8 million) to \$2 million (R\$10 million),” he states.

As an investment within the CVM’s sandbox, the fund tokens are exclusively available to professional investors, those with over \$5 million (R\$10 million) in financial investments. Each unit (corresponding to a token) will be valued at \$ 200 (R\$1,000), with a minimum investment requirement of one hundred units, or \$20,000 (R\$100,000). The fund’s performance benchmark aims for the Índice de Preços ao Consumidor Amplo (IPCA) plus 7%.

Fernando José Carvalho, CEO of Vórtx QR Tokenizadora, emphasizes one of the benefits of tokenizing fund units: the creation of a facilitated over-the-counter secondary market for investors looking to trade their tokens with others. “The secondary market enables transfers between investors, making it easier for interested investors to enter and exit,” he states. This secondary market will operate within Vórtx QR’s own platform.

Additionally, Fonseca highlights that beyond structuring the secondary market, tokenization accelerates the offering process significantly compared to a traditional market structure. “In the case of our master fund, the process is rather time-consuming, involving numerous discussions and contracts,” he adds.

With this remarkable milestone, Tokenizadora has now collectively secured more than \$40 million (≈ R\$200 million) in assets on Hathor Network, marking a significant stride in the adoption of blockchain technology for asset tokenization. Beyond the immediate financial impact, the tokenization process also facilitates the creation of a secondary market within the Vórtx QR platform, simplifying the buying and selling of tokens for interested investors.

▶ **META GEEK 2023**



The MetaGeek event, which took place in São Paulo last June, was a resounding success, celebrating all things Geek and Nerd. Merging pop culture with cutting-edge tech, the festival approached from the Metaverse to Robotics, immersing attendees in a diverse experience.

As presented in the last report, blockchain technology, powered by Hathor Network, played a crucial role in streamlining the festival management, making it efficient and cost-effective. Three tokens were used throughout the event: MetaReal (1:1 value with the Brazilian real), MetaKarma (rewarding partners), and MetaMilhas (public engagement perks).

As we celebrate this year's success, mark your calendars for the 2024 edition. With even more innovation on the horizon, you won't want to miss the next immersive journey into tech and Geek & Nerd culture.

PRODUCT RELEASES AND UPDATES

▶ NANO CONTRACTS

We continued to work on improving the Nano Contracts foundation in Q3, including adding support for Nano Contracts operations in the Headless Wallet and creating designs for external calls and token management. Improvements were made to the betting blueprint which was also integrated with the wallet library.

Additional parts of the Nano Contracts code were also made public in Q3. Eventually, all Nano Contracts codes will be made publicly available.

We also finished a project reviewing the economics for Nano Contracts in Q3, which resulted in some recommendations that we will take into consideration and seek feedback on from development partners.

▶ WEB WALLET

Earlier this year, we shared that we are implementing support for [WalletConnect](#) in our mobile and desktop wallets. WalletConnect is a protocol that enables wallets and other applications to communicate with the browser, e.g., by scanning a QR code or using deep linking to log in to dapps and sign transactions. If you have used a crypto wallet before, chances are that you already have used WalletConnect.

WalletConnect support will enhance the user and developer experience and prepare the ecosystem for the launch of Nano Contracts and dApps that are going to be built on the network.

MetaMask has released MetaMask Snaps in an Open Beta. Snaps lets developers connect other blockchains than Ethereum to the popular wallet. We see MetaMask Snaps as a good solution for a web wallet on Hathor, so we are keeping an eye on their development and may start a project to build on it at some point.

If you are a developer and would like to develop a wallet on Hathor, we want to connect and help you. Please reach out to us on [Discord](#). We are committed to supporting developers and working together to build the next generation of blockchain-based applications.

▶ **EVENT QUEUE**

Until recently, applications that wanted to interact with the Hathor full node needed to write their own sync algorithm. They had to handle all contingencies, such as reorgs (blockchain events where one transaction history is replaced by another, often due to concurrent block-solving, resulting in temporarily divergent versions of the blockchain, known as a fork). Creating this algorithm could be complex, consuming several days of development.

To overcome these issues, we've introduced the Event Queue – a built-in event management system sending all events in the order of their occurrence. Its key features are:

- It detects events that matter to applications (Refer to the [Event Types](#) in our user docs).
- All events are persisted by the full node, each with a unique incremental ID.
- Both REST API and WebSocket API are available, providing a continuous event stream that can be queried.

The Event Queue is currently in beta and is not recommended for production environments. We encourage you to begin using it in your test environment and we welcome any feedback you may have after testing the feature!

For a detailed guide, please read the [user docs](#) on GitHub explaining how to set up the Events Queue for your application.

We also offer an event simulator to aid you in testing your integration with the Event Queue. This CLI tool emits simulated events via WebSocket, mirroring real use case scenarios.

Look out for a more comprehensive user guide on our [GitBook](#) later as we move the feature out of beta status.

▶ **WALLET SERVICE**

As mentioned in previous reports, we have developed a new backend for our wallets which significantly improves loading speeds and prepares the wallets for new features in the future.

Over the past months, we have gradually increased the rollout percentage of the wallet service for our mobile and desktop wallet users. We are happy to say we now have 100% of wallets running on this new backend. This upgrade will benefit all users and you should now experience a faster wallet, especially if you have a wallet with many addresses.

▶ **EVENT QUEUE IMPROVEMENTS**

As mentioned in our Q2 report, we released the beta phase of the Event Queue, an efficient event management system equipped with APIs to simplify integrations and interactions with the Hathor full node, eliminating the need for developers to write their own sync algorithm.

In Q3, we worked on a follow-up project to add some improvements that we had planned for the Event Queue. The motivation behind these additions was mainly to improve the reliability and maintainability of the event simulator and improve the way use cases interact with the Event Queue when it is restarted.

The first addition was internal and related to how the event simulation CLI tool generates fake events. The original implementation of the event simulation relied on fixtures that defined a list of specific events. The improvement substituted this list with an actual Hathor simulator generating the fake events. This prevents us from having to manually edit the list of fixtures every time something changes in the schema of events, as they will be correctly generated by the code itself.

The other improvement was external, meaning that it changes the way clients interact with the feature. In the original implementation, there was no programmatic way for use cases to know that the Event Queue was reset. The improvement was to have the Event Queue emit a “queue ID” that is changed when the event queue is reset. This queue ID is used to reject requests when the required ID is different from the current “queue ID” provided by the full node.

▶ **NEW MULTISIG WALLET FEATURES**

In Q3, we started and finished a project to add some new features to multisig wallets, in order to support some required functionality in the EVM bridge that is currently being developed.

We added the following features for multisig wallets:

- Support for creating a custom token

- Support for minting a custom token
- Support for melting a custom token
- Support for initializing a multisig wallet without a seed
- Added endpoint for inspecting transactions with wallet metadata

The design for these features can be viewed on our [GitHub](#).

▶ **NEW FEATURE ACTIVATION PROCESS**

In a decentralized environment like Hathor's, there are sometimes important changes and upgrades to the protocol that the network participants must agree on before they can be implemented and deployed.

This is especially important for miners who are responsible for the network security. To facilitate the rollout of such changes, we needed to create a way for miners to signal that they agree and are prepared for a specific protocol upgrade.

Read our blog post on [Hathor's Feature Activation Process](#) for the full details.

▶ **SCALING THE HATHOR WALLETS**

As part of our efforts to better scale our wallets, we have rolled out several improvements to our wallets and their backend to prepare them for future growth and new features. The changes include a substantial upgrade to our wallets' storage scheme that will benefit all use cases. This new solution redesigns how we interact with storage, focusing on modularity and asynchronous processing, resulting in an enhanced user experience and better performance.

A post with full details on all the scaling efforts will be posted on our blog in the coming weeks.

▶ **SIDE DAGS**

Side DAGs are separate networks running alongside Hathor's mainnet while maintaining the same level of security. These networks can be permissioned or private and are typically designed for enterprises looking for greater flexibility to allow their business to achieve the level of transparency they desire.

This year we have researched and explored different approaches to side DAGs to better satisfy potential client requirements. We have created a POC of a network with a PoA

(Proof-of-Authority) consensus algorithm, describing features, challenges, and potential future work for different network types and consensus algorithms.

Summarized, side DAGs allow companies and projects to:

- Run private and permissioned hybrid networks.
- Easily configure their own network with their specific business rules.
- Explore blockchain technology in a safe and secure environment.
- Avoid the risk of sharing any confidential data.
- Customize their network's execution environment, e.g., EVM or other VM compatibility.
- Customize their network's consensus algorithm, e.g., PoW, PoS, PoA (or a combination).
- Customize their network's validation rules.
- Customize their network's fee rules.

We are looking to partner with businesses and projects that might have a need for a fully customizable network that side DAGs represent. If this sounds interesting to your business or use case, please don't hesitate to contact us by email – commercial@hathor.network – or [Discord](#) to discuss your requirements.

▶ **EVM BRIDGE**

We have created a design for an EVM bridge, which, once developed, will enable token transfers between Hathor and EVM compatible blockchains. The bridge will be open-source, and use cases will be able to use it freely.

The bridge is currently being developed by a partner company of Hathor Labs.

▶ **HARDWARE SECURITY MODULE (HSM) WALLET**

Hardware Security Modules (HSM) are enterprise cryptographic key management tools primarily designed for enterprise use. These modules bring benefits to blockchain wallets such as:

1. Enhanced Security: HSMs are specialized hardware devices designed to provide a high level of security for cryptographic operations. By integrating a blockchain wallet with an HSM, use cases can safeguard the private keys used for signing transactions and accessing assets on the blockchain.

2. Protection against Attacks: Use cases are often targeted by various cyberattacks, including key theft, brute force attacks, and man-in-the-middle attacks. HSMs help mitigate these risks by securely storing private keys and performing critical cryptographic operations within a secure environment. Even if an attacker gains access to the system hosting the blockchain wallet, they won't be able to extract the private keys from the HSM.

3. Compliance and Regulatory Requirements: In many industries and jurisdictions, compliance with security standards and regulations is crucial. Integrating an HSM with our wallet can help meet these requirements. HSMs are often certified by recognized authorities, and their usage can demonstrate a commitment to data protection and security best practices.

4. Offline Key Generation: HSMs can generate private keys offline, ensuring that the keys never come into contact with potentially insecure environments. This offline key generation adds an extra layer of protection against external threats.

5. Audit Trail and Accountability: HSMs often provide robust audit trail capabilities, allowing you to monitor and log access to private keys and cryptographic operations. This feature helps maintain accountability and traceability, crucial in enterprise environments and compliance-driven industries.

6. Trust and Confidence: Integrating an HSM with Hathor instills trust and confidence among use cases. When corporations know that their assets are secured by industry-standard HSMs, they are more likely to trust our platform and use it for their financial and business needs.

As the blockchain industry continues to mature, security will remain a paramount concern, making the adoption of HSMs increasingly relevant for safeguarding digital assets and transactions. This is why we have chosen to integrate the Hathor Headless Wallet with one of our partners' HSM. Once this project is completed, use cases may choose to implement the HSM in their projects to enjoy all of the abovementioned benefits.

DINAMO BLOCKCHAIN — A complete cryptographic solution that guarantees 100% security of your digital assets.

This partnership marks another milestone on our journey to becoming a leading blockchain player in the tokenization of traditional finance (Tradfi) assets and real-world assets (RWA).

We are immensely proud to announce our partnership with DINAMO Network, which is responsible for securing 100% of transactions via PIX (Brazilian instant payment method) and the majority of ETFs carried out in Brazil. DINAMO Network is the leading provider of cryptographic solutions and manufacturer of certified cryptographic hardware (HSM) certified FIPS 140-2 Level 3 (NIST). DINAMO has been operating in the market for over 17 years with solutions deployed in most Brazilian banks and plays a pivotal role in securing the entire SPB, including the Central Bank itself.

DINAMO Blockchain is a digital safe that, together with specialized rules and control mechanisms, guarantees the generation, management, and security of cryptographic keys used in blockchain and digital assets. Transactions occur in a secure cryptographic environment based on the DINAMO HSMs (Hardware Security Modules), which is the most suitable hardware for protection against theft and “hacking”, in an On-premise or Private Cloud (SaaS) model.

Key features and deliverables:

- Protection and safekeeping of keys in tamper-proof secure hardware or cloud environments.
- Secure generation and derivation of addresses and cryptographic keys with centralized management.
- Secret sharing with Distributed Protection of access and authorizations with SSS (minimum quorum of validators “M of N”)
- Security and scalability in transaction signature validation with multi-sign options

- DINAMO Blockchain API – an integration API – so that companies in the crypto asset ecosystem and with custody needs can easily integrate their applications (Wallet, Trading and others) with the cryptographic service on specialized hardware.

CRYPTOGRAPHIC HARDWARE MANUFACTURER

DINAMO's solutions are based on its own cryptographic hardware appliances (HSMs) that are approved by the National Institute of Standards and Technology – NIST – with international FIPS 140-2 Level 3 certification and by INMETRO (ICP Brasil – Digital certification). They ensure the integrity of transactions and critical information, through a variety of security functionalities that address all market segments.

NETWORK & MAINTENANCE

▶ **SYNC V2**

The Sync v2 protocol represents a considerable upgrade to Hathor Network that will affect most parts of our infrastructure. We now have the Sync v2 running on selected full nodes on our mainnet while we monitor the performance of the protocol together with selected key partners and make improvements to the code. It's been a long time coming, however, the next step will be a full network rollout of the new protocol.

▶ **FULL NODE**

We released two new versions of the Hathor full node in Q3, both packed with new features, improvements, and fixes.

Version v0.55.0 contained several improvements behind the scenes to prepare for future features, while the last version, v0.56.0, started using the new feature activation system on the testnet so that we could gather initial testing data.

If you are running one or more full nodes, please make sure you are using the latest version, which you can download from our GitHub repository.

MARKETING HIGHLIGHTS

OFFLINE EVENTS

▶ **BLOCKCHAIN RIO FESTIVAL 2023**



Last September, Hathor's team attended the BlockchainRio Festival. The event was very enlightening about the current Brazilian crypto market, showing the great potential for the adoption of DREX, the Brazilian digital coin. Also, it demonstrated that fintechs took the lead in innovating and reshaping the financial landscape in the country. It became clear that Brazil is once again at the forefront of financial transformation through blockchain.

The event stood as a space keen for debate and showcased the collaboration among major entities and organizations, all united in consortia, to propel DREX forward. While DREX prioritizes security and privacy, scalability remains a pressing issue. Achieving a delicate balance between decentralization, security, and scalability is imperative for blockchain's success.

Despite the complexity of blockchain implementation, it's undeniable that academic studies, industry discussions, and solution development are gaining traction in the market. BlockchainRio served as a catalyst for these discussions, fueling the ongoing evolution of blockchain technology in Brazil and beyond.

▶ CRYPTO EXPO DUBAI



Nil Perera, Hathor Network's Head of Community, attended Crypto Expo in Dubai in September. This conference week proved to be highly insightful for us, as there is a significant emphasis on tokenization in the Middle East, particularly in the United Arab Emirates.

With Hathor being one of the select blockchain protocols that boasts a functioning STO Platform, while also holding approval from a regulatory body, our introduction of Hathor to various contacts during that week was exceptionally well received. This is especially significant because the regulatory framework for tokenization remains a gray area globally.

Together with the leadership team, Nil looks forward to providing you with more updates as we continue to explore opportunities on a global scale. Our next event in the UAE will be at the Future Blockchain Summit in Q4.

ONLINE EVENTS

▶ AMA KUCOIN



The graphic features the KuCoin logo and the Hathor logo at the top left. Below them, it reads "KuCoin AMA Serisi (Hathor)". The main headline in large yellow letters says "HTR ÖDÜLLERİNİ KAÇIRMAYIN!". To the right, there is a portrait of Koray Günyasar, identified as "Hathor Türkiye Topluluk Lideri". At the bottom left, two call-to-action boxes provide the date and time: "23 Eylül 2023 , 21.00 (TR Saatiyle)" and the location: "Yer: t.me/kucointurkiye (Telegram)".

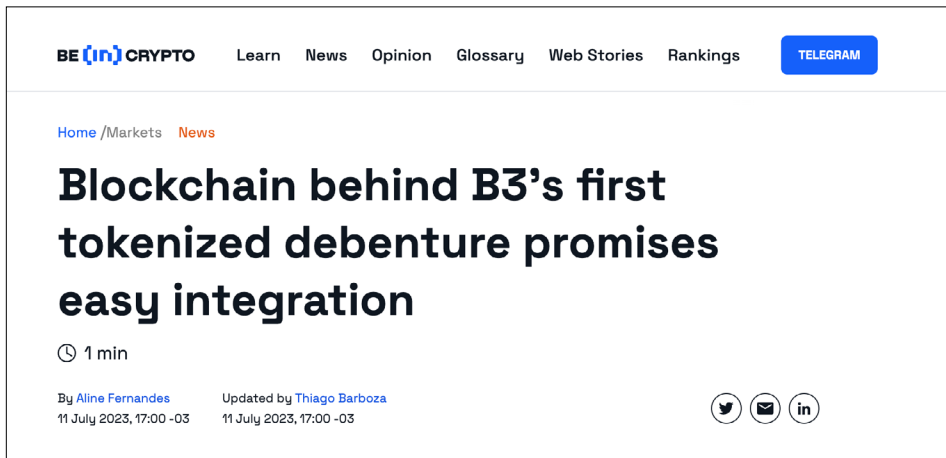
KuCoin hosted Hathor Network for an Ask Me Anything (AMA) session with their official Turkish Community.

Our Turkish community leader, Koray Gunyasar responded to questions covering a wide range of topics, including real-world assets, Hathor's technological advantages, the network features under development, and insights into the new CEO's role in our ongoing global strategy.

With over 1,000 live viewers and more than 300 questions submitted, we consider the event a success, as it led to new members joining not only our Turkish community but also our global community channel.

We look forward to hosting more AMAs in the future!

▶ **BEINCRYPTO ARTICLE**



The screenshot shows the top navigation bar of the BeingCrypto website with links for Learn, News, Opinion, Glossary, Web Stories, and Rankings, along with a Telegram button. The breadcrumb trail is Home / Markets / News. The main headline is "Blockchain behind B3's first tokenized debenture promises easy integration". Below the headline, it indicates a 1-minute read time, the author Aline Fernandes, and the update date of 11 July 2023, 17:00 -03. Social media sharing icons for Twitter, Email, and LinkedIn are also visible.

Hathor Network has recently earned the spotlight in an article of the crypto news portal, BeingCrypto, thanks to its key role in a groundbreaking use case developed with the Brazilian Stock Exchange, B3.

The article underscores Hathor Network's remarkable ease of integration, highlighting its smooth compatibility with cutting-edge financial solutions. The partnership forged with B3 emerges as a natural consequence of Hathor Network's noteworthy approval by the CVM Sandbox in the Vórtx QR Tokenizadora project. This endorsement solidifies Hathor's position as a trusted blockchain technology provider and as a catalyst for innovation within the financial sector. Read the full article [here](#).

▶ **EXAME ARTICLE**



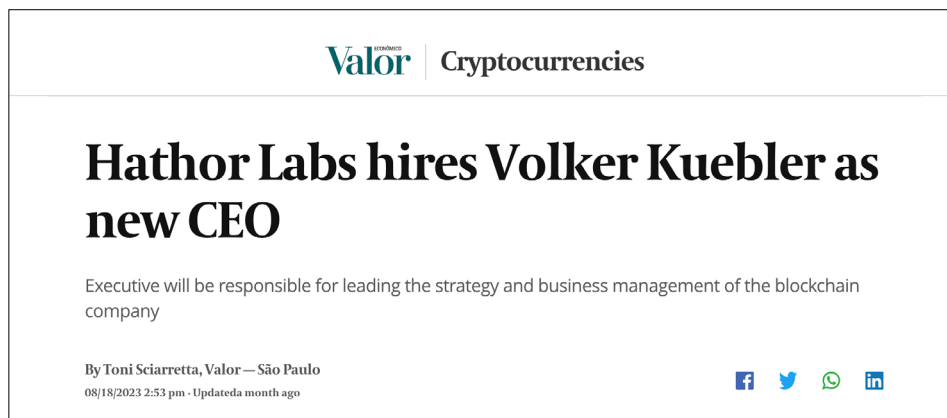
The screenshot shows the header of an article in the Exame magazine, titled "Future of Money". The breadcrumb trail is Home > Future of Money. The main headline is "Discover the 'Brazilian blockchain' that is already used by B3 and Felipe Neto". Below the headline, a short paragraph states: "Hathor was created based on academic research, but also faces challenges of expanding in a competitive ecosystem". At the bottom, there are social media sharing icons for WhatsApp, Facebook, LinkedIn, Telegram, Twitter, and Print.

Hathor Network has earned recognition through a featured article in the Brazilian magazine Exame, which delved into its captivating history and presented its most renowned use cases.

Among these, Hathor's collaboration with B3, the Brazilian Stock Exchange, stood out.

Furthermore, the article spotlighted Hathor's pivotal involvement with Vórtx QR Tokenizadora and Felipe Neto's NFT Platform, illustrating its adaptability and versatility across diverse applications. This article is a testament to the Network story, highlighting its cutting-edge tech and impact on the international blockchain landscape. Read the full article [here](#).

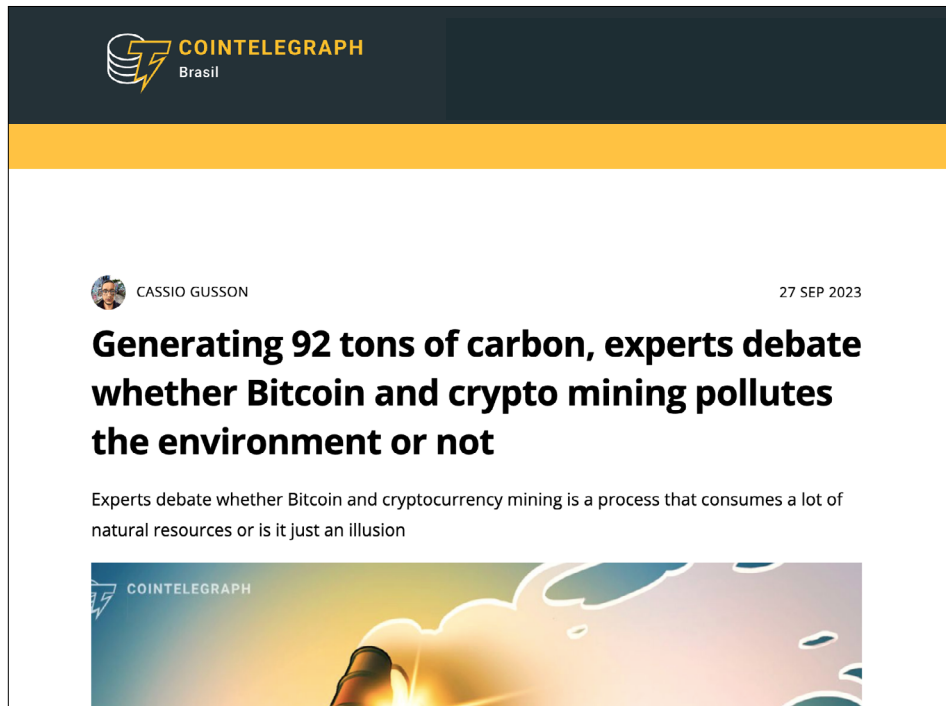
▶ **VOLKER KUEBLER FEATURED IN VALOR ARTICLE**



Valor Econômico, a prominent newspaper in Brazil, has recently published an article featuring Volker Kuebler, the new CEO of Hathor Labs. In this piece, the online newspaper shared that Kuebler will spearhead the company's strategic direction and overall business management in his new role. With a background in global technology operations, his expertise encompasses strategic data management, optimization, data mining, and the utilization of artificial intelligence for both consumers and businesses.

Before joining Hathor, Kuebler served as the CEO of Intellisophic, a Silicon Valley-based artificial intelligence company renowned as one of the world's leading providers of taxonomy solutions. Kuebler holds an MBA from the University of Chicago and a Ph.D. from the University of Heidelberg. His appointment is poised to propel Hathor towards new heights in global presence and blockchain technology as he takes the reins, allowing Yan Martins, Hathor's co-founder, to focus on the company's board of directors. Read the full article [here](#).

▶ **VOLKER KUEBLER QUOTED IN COINTELEGRAPH**

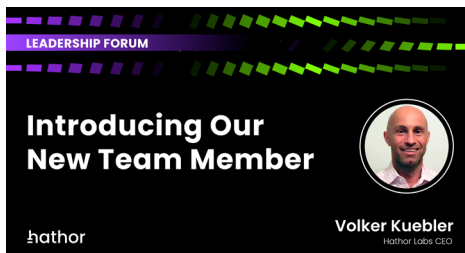


In a recent Cointelegraph article, discussing the environmental impact of cryptocurrency mining, Volker Kuebler, CEO of Hathor Labs, emphasized the importance of green energy initiatives within the crypto industry. Kuebler outlined Hathor's efforts to incentivize miners to use carbon-neutral energy sources, such as the Hathor Green project, which rewards miners for adopting eco-friendly practices. He stressed the industry's growing focus on sustainability and predicted that green initiatives would become a natural choice for miners as the market increasingly values environmentally conscious practices. Kuebler's comments align with Hathor Network's commitment to reducing its environmental footprint while advancing blockchain technology. Read the full article [here](#).

COMMUNITY HIGHLIGHTS

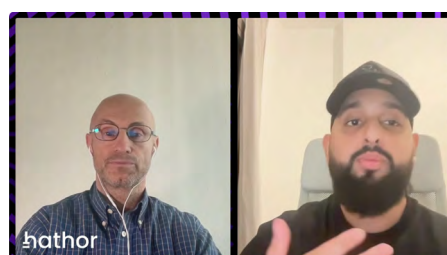
▶ LEADERSHIP FORUM

Leadership forum – Presenting Volker Kuebler



[In this episode](#) our co-founder and current advisor, Yan Martins, delved into the business decision to hire our new CEO, Volker Kuebler, as part of our global strategy to enter international markets. Yan guided us through the scouting phase, the selection process, and more. In this episode, we also had a conversation with Volker Kuebler about his past, his vision for the blockchain industry and Hathor Network, and other interesting topics.

Leadership Forum – AMA



[In our latest episode](#) of Leadership Forum, we hosted an Ask Me Anything (AMA) session with Hathor's newly appointed CEO, Volker Kuebler, which was hosted by Hathor's Head of Community, Nil Perera. The discussion encompassed a diverse array of topics, including Volker's strategies and vision for the future of Hathor, plans to enhance the project's attractiveness and its trajectory over the next five years. Additionally, it included questions posed regarding Volker's strengths and areas for improvement as a leader. Topics such as international presence,

strategies to bolster community trust and engagement, tokenomics and finance, technological developments, industry integration, and the intersection of AI and blockchain were also covered, with a total of 17 questions in all. This comprehensive range of topics reflects the majority of the questions the community was eagerly awaiting answers to.

▶ **WATER COOLER BREAK**

Water Cooler Break

Updates for the Community

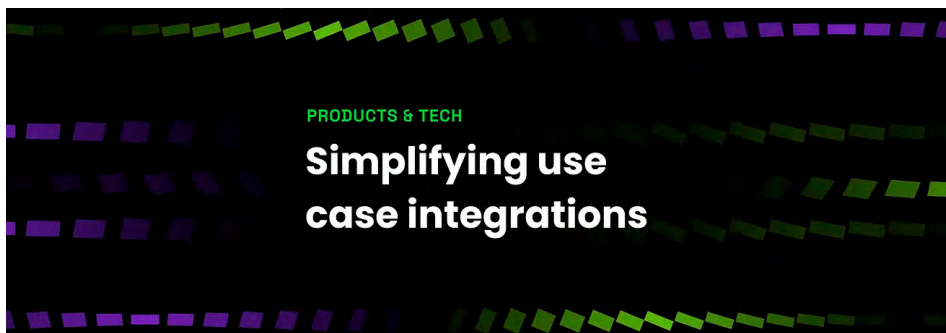
During our recent Water Cooler Breaks, our Head of Community, Nil Perera, gives a personal insight into various updates, in these last 3 episodes, we spoke about our participation and sponsorship of the Blockchain Festival in São Paulo and Febraban Tech. Nano Contract updates, PR, B3's tokenization platform being built on Hathor, our all-new Blockbites newsletter, a special new CEO announcement, and the activities that closed off Q3 including the AMA with KuCoin and Global events.

▶ **COMMUNITY SATISFACTION SURVEY**

Community feedback on Hathor highlights several promising aspects. Hathor's use cases have received favorable responses, with many users rating them highly and expressing satisfaction. Moreover, Hathor enjoys strong engagement on social media platforms like Twitter and Telegram, indicating an active and engaged user base. While there is room for improvement in content production, this feedback provides valuable insights for enhancing user experience. Demographically, Hathor has a diverse user base, with a significant presence in Europe, and the majority of users identifying as Traders or Enthusiasts. While some areas, such as integrations, partnerships, and technical updates, have room for improvement, the overall sentiment reflects a community that is eager to see Hathor thrive and succeed.

▶ BLOGS & ARTICLES

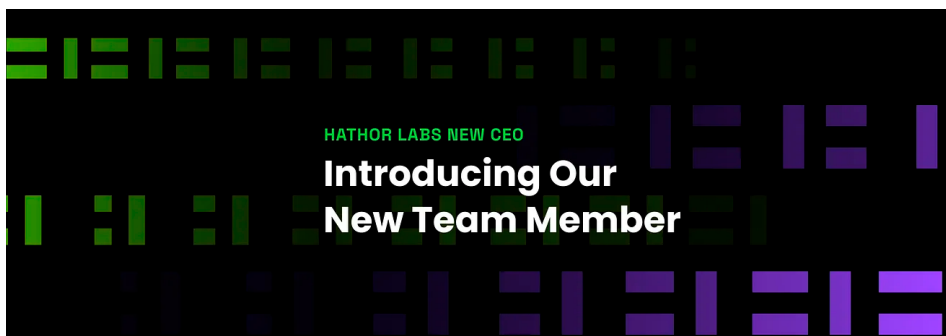
Simplifying use case integrations



In August, Trond Bjorøy, our product manager, published an article introducing the Event Queue – a powerful system with APIs designed to simplify event management for Hathor users. This solution addresses a key challenge faced by developers who interact with the Hathor full node, eliminating the need for them to create their own sync algorithms, saving time and effort.

The Event Queue detects critical events, ensures their orderly delivered, and provides persistence through the full node, simplifying complex aspects like reorgs and event order. With both REST and WebSocket APIs available, it streamlines integration with Hathor, bringing us closer to our goal of making blockchain technology more accessible and user-friendly. Please note that the Event Queue is currently in beta, so we encourage you to test it in your environment and provide feedback. For a guide, consult our user docs on GitHub and use our event simulator for effective testing. Stay tuned for further updates as we refine this feature. Check the full article [here](#).

Volker announcement



To celebrate an exciting addition to Hathor Labs' team, we shared an article about the appointment of Volker Kuebler as the new CEO. With a wealth of global operational experience

spanning over a decade, Volker's expertise lies in strategic data optimization, data mining, and harnessing artificial intelligence for both consumers and enterprises. Prior to joining Hathor, he served as CEO at Intellisophic, a Silicon Valley-based AI company recognized as one of the world's leading taxonomy providers, guiding its transformation into a successful business entity. Co-founder Yan Martins expressed confidence in Volker's ability to guide Hathor towards conquering international markets, forming strategic alliances, and realizing its full potential. Yan will continue to play an active role as a company advisor, ensuring the ongoing success of Hathor as it enters this exciting new phase under Volker's leadership. Read the full article [here](#).

Hathor's Feature Activation Process: Miners Lead the Way



By the end of September, Trond explored, in a blog article, Hathor's crucial feature activation process in a decentralized environment. This process allows network participants, especially miners, to signal their agreement for protocol changes and upgrades, drawing inspiration from Bitcoin's successful signaling mechanisms.

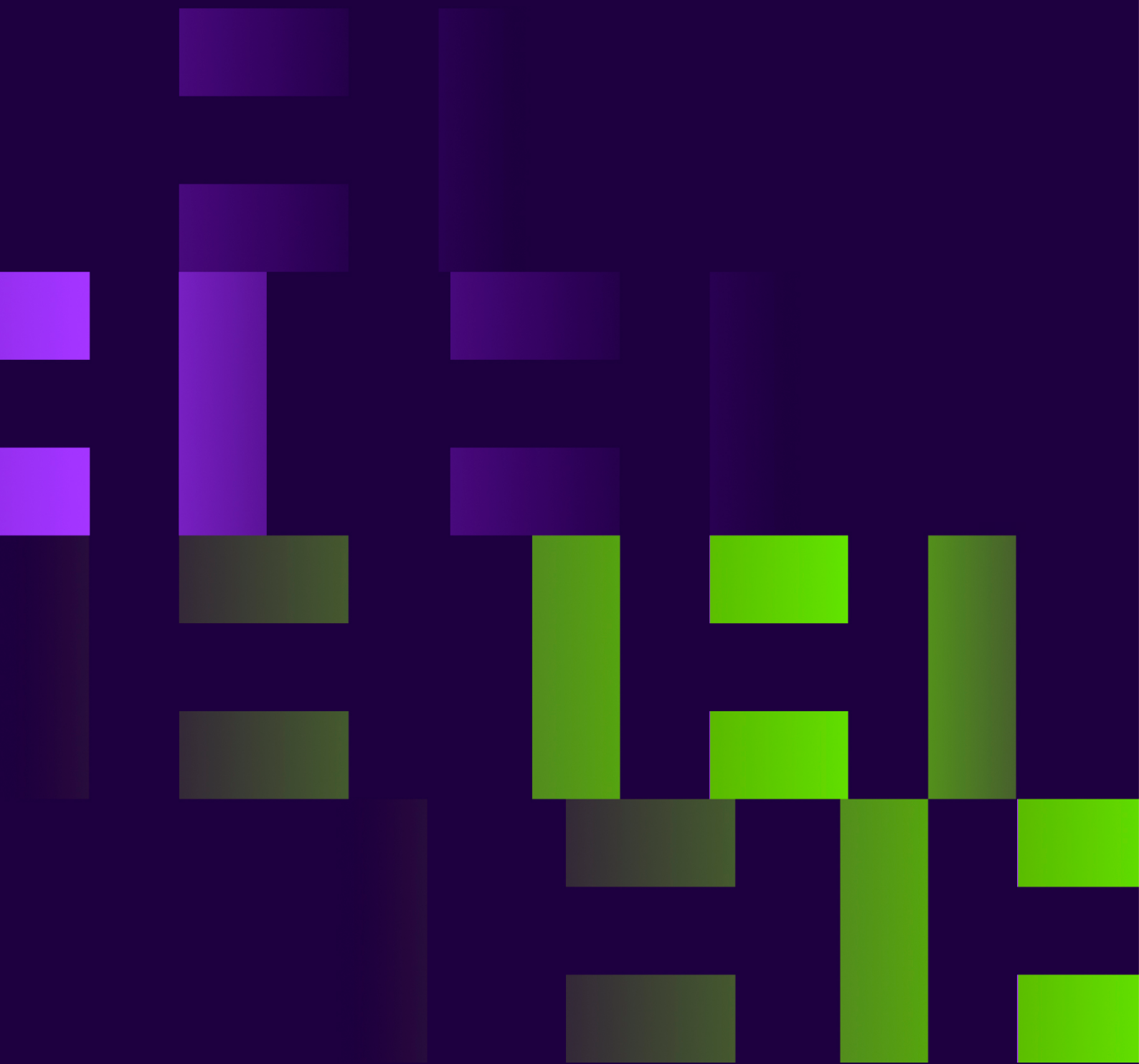
Our adaptation, inspired by BIP9 and BIP8, is tailored to Hathor's unique needs, supporting both soft and hard forks. After the meticulous design and extensive testing on our testnet, we'll proceed to phase testing on the mainnet with simulated features, ensuring smooth operation. Once successful, we'll implement the feature activation process for actual new features on the mainnet, advancing Hathor's position as a leading blockchain platform. For detailed insights, refer to our GitHub documentation. Read the full article [here](#).

Blockbites



This quarter, we celebrated the launch of Blockbites, a monthly newsletter powered by Hathor Labs. This initiative intends to be your go-to newsletter for staying informed about the latest and most intriguing blockchain solutions developed by innovative companies.

Its mission is to bring the freshest insights into how blockchain technology is revolutionizing industries and transforming the way we interact with the digital world. With Blockbites, you'll be at the forefront of this exciting wave of innovation. Stay tuned for a regular dose of blockchain brilliance! Subscribe to BlockBites on LinkedIn, and check the published editions here: [first edition](#) // [second edition](#) // [third edition](#).



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