ULTRON
Future of DeFi

Ultron Lightpaper

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Challenge

In recent years, society has been changing at an unprecedented pace. Technological advancements in digitalization and new technologies like cloud computing, quantum computing, artificial intelligence, blockchain, Web3, virtual reality, and the metaverse are shaping a new world rich with new opportunities and business models that are disrupting the traditional centralized economy and financial services industry.

The banking sector has yet to adapt and revolutionize. The transactional processes are too slow, excessively costly, bound to too many unnecessary human intermediaries, and apply overly-complex bureaucratic mechanisms and outdated legacy operating systems.

Furthermore, current major events like Covid19 and the recent Russia-Ukraine war are fueling significant macroeconomic uncertainty that is adding to inflationary pressure on the markets. Consequently, the interest rates offered by the established centralized institutions are too low to maintain the value of assets, as the real value of assets decreases due to high inflation.

To solve this issue, blockchain technology and Decentralized Finance, or DeFi, offer superior asset preservation systems, thanks to the help of new technologies, automated market makers, and algorithmic asset management instruments that can provide economic sustainability. Nevertheless, these innovative mechanisms have a very steep learning curve that prevents access to these services for most IT illiterate consumers. On one side, they offer very appealing characteristics like ledger immutability and permissionless transparency, but, on the other hand, they lack user-friendliness. Furthermore, these solutions struggle to receive trust, legitimacy, or regulatory confidence. Many also struggle to provide enough liquidity to deal with the volatility of the digital assets markets to survive and scale.

While, DeFi decentralized applications, or dApps, are working to replace the traditional banking intermediaries, too many projects focus on creating competing solutions with competing tokens, instead of emphasizing complete ecosystem growth by using the same native coin for the whole palette of digital asset management services. Consequently, the user journey becomes unnecessarily complex, as different tokens are not always compatible and fail to synchronize effectively with each other. Furthermore, it is challenging to economically incentivize the continuous development support of decentralized IT professionals in a sustainable manner.

Ultron fills this gap and solves these technical and economic

problems by successively implementing a bridge between centralized and decentralized solutions. Ultron's solution is a cost-effective, easy to understand, and capable of delivering the expectations of passive gain generation of a wide and ever-growing pool of digital assets holders while mitigating risks. No matter the economic background and technological understanding, everyone is able to participate in the future of the digital asset market. Ultron's innovation stems from leveraging the technology of the most scalable, secure, cost-efficient, and developer-friendly blockchains and crypto projects with the implementation of a unique crowdfunding solution – a **Staking Hub NFT.**

By using a single native Layer 1 (L1) ULX coin, the users are able to access a wide variety of decentralized digital asset management services and, at the same time, keep aligned the ever-growing IT developing resources in a very stimulating ecosystem. Stakeholders do not only receive a very appealing APR, but they will also be part of a revolutionary movement of inclusion in the fast-evolving and growing digital asset market.

Solution

Bootstrapping

One of the most noteworthy innovations of the Ultron project is the implementation of the first Staking Hub NFT (non-fungible token) ongoing sale to finance the resources needed to sustain the project for the long term. This new platform enables the user to generate passive digital assets growth while providing proof of ownership of the Staking Hub, thanks to an NFT. This visionary crowdfunding mechanism will offer the possibility of purchasing a generator of staked daily ULX accrued APR rewards divided into nine different tiers, ranging from light to supreme+ level, according to the user budget. Additional tiers might be added in the future.

The crowd sale aims to finance up to 50 thousand Hubs by the end of 2022 and up to 500 thousand the year after. While it could appear a very ambitious goal, it remains highly achievable thanks to the extensive network of Ultron's influential and established affiliate partners.

These players can already count on a vast community of active users in their respective e-commerce and entrepreneurial capital platforms.

This mechanism will be capable of scaling up Total Value Locked, or TVL, at an unprecedented speed, while dramatically reducing the complexity around staking funds on the blockchain; supporting crypto novices. Financial viability and transactions security is ensured thanks to the 19 validators of the Ultron Foundation that have substantial participation in an initial base multi-million fund to sustain the project. The private presale of Staking Hub NFT started in March 2022 and will be open to the general public on the 1st of June 2022.

Solid Technology

Following an in-depth analysis of the current state-of-the-art blockchain technologies, Ultron is based on a blockchain that successively manages to solve the Blockchain Trilemma by providing, at the same time, speed of transaction, security, and significant scalability. Furthermore, this blockchain technology will leverage a leaderless Proof-of-Stake (POS) protocol and asynchronous Byzantine Fault Tolerant consensus mechanism.

Ultron supports Solidity, the primary programming language adopted for writing smart contracts. This allows every developer to contribute to the project, no matter their IT background. This also allows the Ultron blockchain to be Ethereum Virtual Machine (EVM) compatible and integrate Ethereum dApps easily.

A major advantage of Ultron is its capability to remove points of central control in the form of intermediaries and barriers to entry, which is the standard in the traditional centralized financial sector, and at the same time leverage the multiple advantages of DeFi. Ultron will let traditional banking clients benefit from the new digital assets growth streams enabled by blockchain financial instruments.

Community Engagement

To generate the interest and the continuous support of the IT community, the Ultron Foundation will create a multi-million USDT fund using up to 5% of the total assets generated through the sales of Staking Hub NFTs. This fund will generate enough liquidity to sustain the ecosystem's growth in a very efficient manner. Digital funds will be distributed to the developers in the form of grants, in both ULX and stable coins.

The most exciting project applications that pass the extensive analysis and screening process of the Ultron Grants Foundation Commission will be eligible for the grant. The screening process will put more emphasis on ecosystem growth and diversity than on developing competing solutions.

The project will start with a vast and complete palette of stable native ULX L1 dApps that will immediately support the majority of the digital asset use cases provided by the blockchain, and that meet the needs of all the stakeholders involved with the Ultron Foundation. The deployment pipeline, explained in more detail in the roadmap section, will aim to deploy a new stable dApp at least once every quarter.

Stable Economics

It is essential to point out that a significant percentage of the profits, and transaction fees, generated through the native dApps will be used by the Ultron Foundation to buy back and burn ULX coins.

This creates deflationary pressure on the Ultron ecosystem and raises the demand for ULX. It will also ensure that the project will remain sustainable in the long term and vastly improve the tokenomic incentives in comparison to competing blockchains and other L1 solutions. Ultron is poised to become a disruptive game-changer.

Features

This section highlights the features that make the Ultron Foundation and its ULX coin unique and highly appealing to buyers.

The Ultron blockchain will leverage the following characteristics:

- Provides enough liquidity to sustain the needs of an ever-growing pool of buyers with a very appealing APR.
- Guaranteed Security from hacking and cybersecurity threats.
- Highly Scalability to sustain a constantly increasing number of transactions and validator nodes.
- High throughput and quick finality of transactions.
- Promotes wealth generation through at least **five different passive digital assets generation mechanisms** and a registration process with minimal “Know Your Client” (KYC) requirements that include:
    - Staking Hub NFT rewards with up to 0.2% daily APR in the first year since purchase and an optional auto compounding mechanism.
    - Automated stake of ULX to receive xULX interest incentives (via a Decentralized Exchange (DEX)).
    - Yield Farming of ULX in Liquidy Pool pairs.

  - Rewards for running a validator node – attractive APY depending on the locking period.

  - Delegation of ULX coins to decentralized validators.

- Boosts development innovation and complete Ecosystem Growth.

- Development support for the most widely used programming languages like C#, Python, Go, Java, and Javascript (using standard Web3 API) and compatibility with blockchain-specific frameworks like Solidity and the EVM Core.

- A complete, stable, and widely-tested ecosystem of multiple decentralized digital asset products.

- Direct access to a set of built-in decentralized applications with a single native utility coin in a user-friendly environment.

- Thanks to the **Cross Chain Bridges Mechanism**, Ultron will support the assets on the most popular blockchain networks like Ethereum, Avalanche, Polygon, Fantom, Binance Smart Chain, and Tron and stable coins like Tether USDT, Circle USDC, and the DAI coin. These assets will be in the native or wrapped form according to the compliance required by the different systems.

DApps & use cases

The Ultron Platform will offer a complete pool of decentralized digital asset instruments and dApp products that will benefit from stable and long-term development support and a sustainable economic return for its users.

The Ultron Foundation plans to deploy a new decentralized product at least once every quarter. Currently, the pipeline includes the release of several services: an NFT Marketplace, an NFT auto compounding Staking Hub, an Initial Decentralized Exchange Offering (IDO) LaunchPad, a decentralized exchange (DEX), a variety of standard Cross Chain Bridges, a Yield Optimizer, a Lending-Borrowing Portal, and a Metaverse president game.

These are described below:

- **NFT Marketplace**
  An NFT Marketplace is a gateway for users to mint, buy, create, trade, explore, sell and exchange NFTs. These NFTs can be in the form of digital identity ownership of digital art pieces, such as paintings, 3D video graphics, collectible items, metaverse avatars, and digital audio files.

- **Staking Hub NFTs**
  The Staking Hub NFT is an innovative digital asset management instrument developed by the Ultron Foundation that enables users to acquire the ownership of a staking node that delivers APR returns in ULX coins daily. There will be nine tiers of Staking Hub NFTs with different characteristics to fulfill the needs of multiple users. The coins generated through these Hubs will be locked for a period and gradually unlocked yearly to enable users to exchange the coins on a secondary market while guaranteeing enough liquidity to the complete ecosystem.

- **IDO LaunchPad**
  An IDO LaunchPad is a system to let users participate in the initial crowdfunding fundraising steps to raise digital capital and liquidity for a new blockchain project with a dedicated utility token that is not yet listed on the open market.

- **Cross-Chain Bridges**
  Cross-Chain bridges are technological mechanisms to connect different blockchains by providing viable interoperable characteristics that let users transact, share smart contracts, and store different coins on versatile digital wallets of multiple chains.

- **Yield Optimizers**
  A Yield Optimizer is an automatic digital service that enables automated bots to exchange transactions to optimize cryptocurrency returns in a highly mathematically-efficient way and ultimately outperform manual investment.

- **Lending-Borrowing Portal**
  A Lending-Borrowing portal is a platform that enables P2P lending and borrowing of crypto funds that are intermediary-free and deliver much higher interest rates than traditional banking institutions.

- **Ultron Swap (DEX).**
  A DEX is a digital platform that enables the efficient exchange of multiple crypto asset pairs without intermediaries and minimal KYC requirements. The trading pairs will cover the major stable coins like USDT, DAI, and USDC and the native ULX coin. The transaction fee will be as low as 0.3% per transaction.

In addition to the services described above, the project will provide digital wallet support for the ULX coin and the most relevant and established blockchains and a state-of-the-art block explorer to keep track of the tokenomic emission supply and all the transactions that will happen on the ULX chain.

The Ultron team will continuously monitor the blockchain ecosystem, in particular, DeFi, and if other new revolutionary products start to gain enough traction, they will be included in the deployment pipeline. Furthermore, Ultron is also actively looking into incorporating NFT-based games and GameFi applications in the dApp's palette.

Tokenomics

ULX Coin overview

Basic ULX metrics:

- **Total supply: 50,000,000,000 ULX**
- **Standard: native coin, same purpose as ETH in Ethereum blockchain**

Ultron Coin (ULX) is the native utility coin of Ultron Blockchain, used for securing the network through staking, to track and support the system of network fees, and to fuel the ecosystem of native dApps.

Besides being the native coin of the Ultron blockchain, ULX will be the supportive native coin of the dApps developed by the Ultron Foundation. Accordingly, the growth of the coin will be driven both by the adoption of the blockchain and by the growth of native dApps.

The following ULX use cases are anticipated:

Securing the Network: The most important utility of the ULX coin is securing the network via the Proof-of-Stake system. Stakers can participate by setting up a validator node or delegating their stake to a validator and then locking their coins for a specified amount of time. Stakers earn rewards proportionally, according to the number of coins delegated and the duration of the lock-up, depending on the validator's uptime and stability.

Network Fees: On the Ultron protocol, there are fees for transactions and smart contract interactions. These fees are tracked with ULX and are very low – but sufficient to make it extremely expensive for a malicious actor to carry out an attack.

Payments: Ultron's network executes thousands of transactions every second, keeping transaction cost inflation at scale and payment costs to a minimum – making Ultron a suitable choice for transactions.

Native Dapps: ULX is the primary utility coin of the native dApps (e.g., to repay interest on a loan, liquidity mining, etc.). Once released, dApps will maximize the utility of ULX within the Ultron ecosystem and, with ecosystem growth, coin holders will be involved in future Governance decisions on the Ultron blockchain.

The future of DeFi

Ultron multi passive rewards

DeFi user journey	Goal
1. Acquire Staking Hub NFT	Get ULX coins through daily fixed passive gain
2. Delegate to a validator or set up your validator node	Stake ULX to get more rewards
3. Unlock your staked ULX with xULX tokens and use them within the Ultron	Unlock new liquidity from staked coins and maximize rewards with xULX
4. Use ULX in DeFi Dapp protocols	Unlock DeFi earning potential with ULX

1. Staking Hub rewards

The Staking Hub NFT is an innovative digital asset growth instrument developed by the Ultron Foundation that enables users to receive daily APR returns in ULX coins. The majority of the ULX supply is destined for the Staking Hub rewards distribution.

In practice, the Staking Hub NFT is a distribution unit that generates fixed passive digital assets on a daily basis. The coins generated through these hubs will be locked for a fixed period and gradually unlocked yearly to enable users to exchange the coins on a secondary market while guaranteeing enough liquidity to the complete ecosystem.

In particular, the vesting reward is released over 5 years from the NFT Staking Hub purchase date.

Initially, the only way for users to receive the ULX coin is to acquire the Staking Hub NFT – which gives them the right to receive a passive digital assets reward.

There will be nine tiers of Staking Hub with different characteristics to fulfill the needs of multiple buyers. The higher the tier, the higher the Staking Hub price and the ULX incentive for the user.

Staking HUB NFT	Price	Stake Ratio
Basic	100 USDT	1.00
Light	300 USDT	1.00
Light +	500 USDT	1.00
Standard	1,500 USDT	1.10
Standard +	5,000 USDT	1.15
Premium	12,500 USDT	1.20
Premium +	30,000 USDT	1.20
Supreme	100,000 USDT	1.20
Supreme +	300,000 USDT	1.20

The Formula to calculate base stake in Staking Hub NFT:

NFT base stake = NFT price / (ULX market price / stake ratio)

After the mainnet launch, the initial staking value of the NFT Staking Hub is defined based on the market price. For the base stake calculation (to prevent hyper inflation) the minimum ULX price is 0.01 USDT, despite the actual ULX market price.

Example (pt.1)

Basic Staking Hub NFT

Alice buys the Basic Staking Hub NFT for 100 USDT and receives a Base stake in ULX equivalent at the market price of 0.01 USDT with a 1.0 stake ratio:

NFT Base stake = 100 USDT / (0.01 USDT / 1.0) = 10.000 ULX

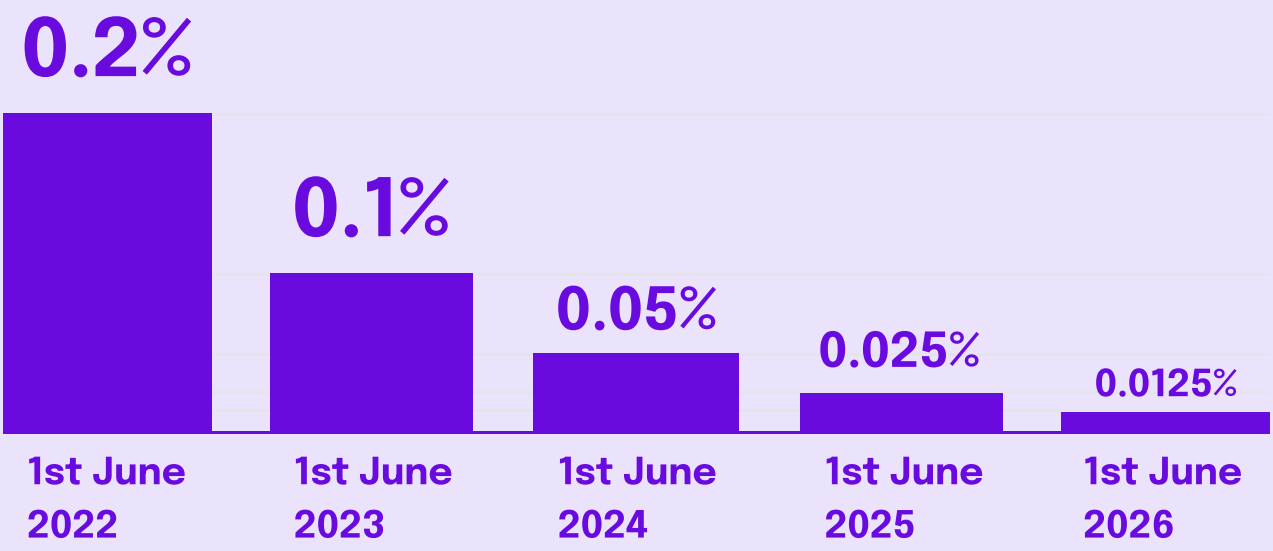
The base stake generates an additional passive reward in ULX coins for 5 years, with an APR that is halved every year, as per Table 1:

Table 1: Yearly APR for 5-year stake return

#	APR	APR/365	Unlocking
1 year	73%	0.2000%	30%
2 year	37%	0.1000%	25%
3 year	18%	0.0500%	20%
4 year	9%	0.0250%	15%
5 year	5%	0.0125%	10%

Halving year	Staking rewards
1st year	0.2% per day
2st year	0.1% per day
3st year	0.05% per day
4st year	0.025% per day
5st year	0.0125% per day

Staking rewards

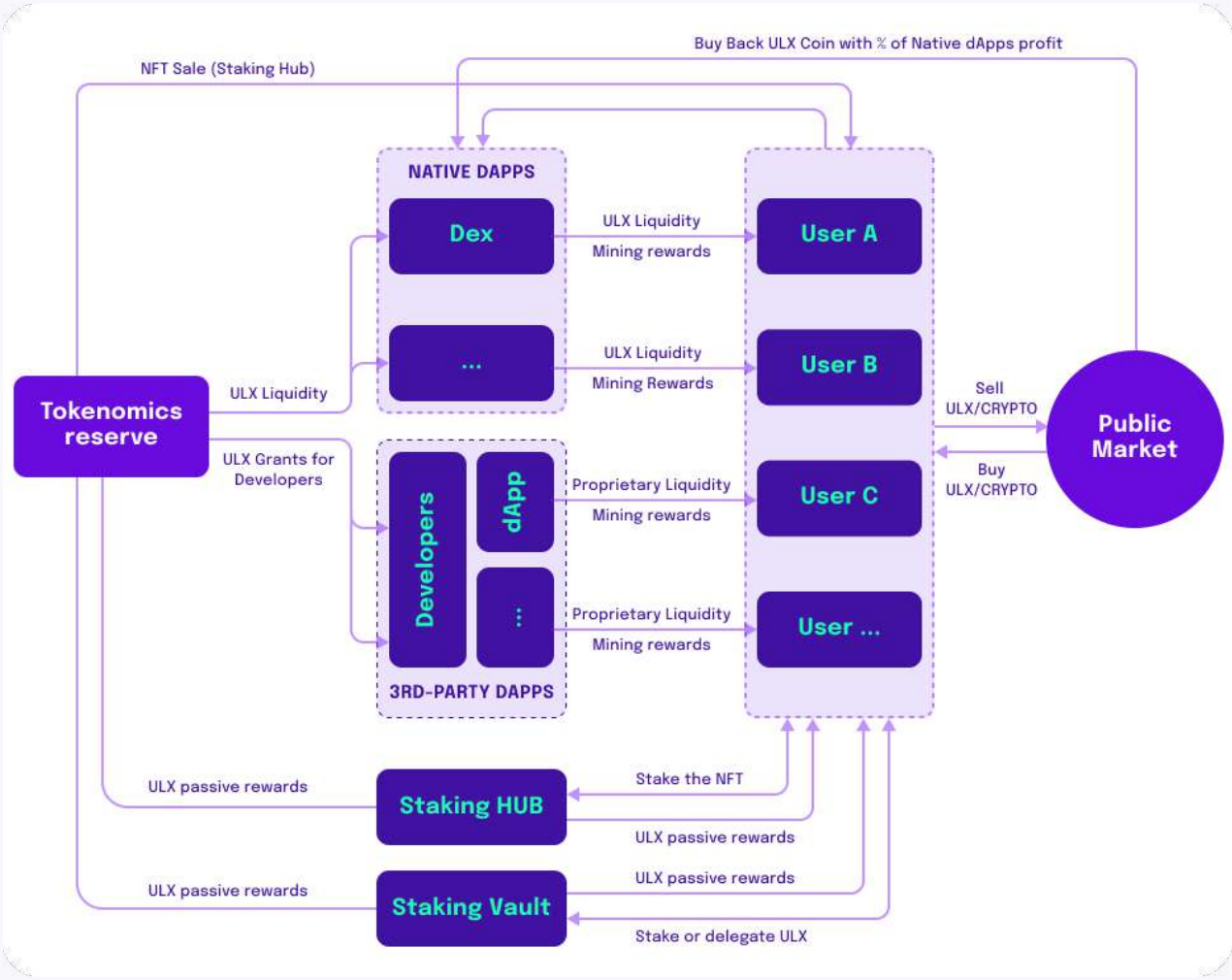


While the vesting schedule is calculated on an individual level from the time of purchase, the halving rewards are computed on a protocol level. This means that, to optimize the halving reward, it is better to buy the NFT Staking Hub at the start of the halving year to exploit the high APR for the longest possible period of time before the next halving. Users can enjoy maximum rewards by selecting the auto compounding option and, after 5 years from purchase, all the rewards are released and unlocked.

Example (pt.2)

Basic Staking Hub NFT

In the first year, Bob will receive 73% APR on 10.000 ULX, the second year 37%, the third 18%, the fourth 9%, and last year 5%. Users can enjoy maximum rewards by selecting the auto compounding option and, after 5 years from purchase, all the rewards are released and unlocked.



2. Validating or Delegating

Run a validator node or delegate ULX to validators

Staking is the process of holding digital assets in a crypto wallet to support the operations of a blockchain network. In return, holders are rewarded for their contributions.

Besides the NFT Staking Hub, there are two options for staking in the Ultron protocol:

1. **To become a validator:** the user should have at least 1MIO of ULX coins.

2. **To join an existing pool as a delegator:** the minimum stake is 1 ULX coin.

The reward distributed to stakers follows a reward schema similar to the rewards halving mechanism. This may range from 5% to 13% APY depending on the locking period. It could, to some extent, vary based on the validator's stability on the network. Low stability can lead to network problems, and so a penalization system is implemented for non-effective validators.

3. Staking ULX to receive xULX

The 'xAssets' are liquid, tokenized representations of staked (bonded) digital assets in the Ultron Swap DEX. They allow stakers to gain liquidity over their staked assets, enabling the locked value in staked assets to be utilized in all rewarding applications that will be developed on the Ultron blockchain.

Users acquire xULX synthetic assets for use within Ultron's DeFi ecosystem in proportion to the quantity of ULX staked. The source of staking rewards for xULX will be a part of the DEX commissions.

Users have to follow the steps below:

A. Select staking preference and lock ULX (or wULX, see item 4) to start earning rewards.

B. Receive xULX as a receipt of the staked amount

C. Unlock staked funds as collateral - return xULX and receive initial ULX plus rewards.

D. Optionally use xULX tokens in Ultron dApps Ecosystem to earn additional rewards.

4. wULX Token

The wULX (wrapped ULX) token is used as a reward in all native Ultron dApps and has the following properties:

- **Purpose:** wULX is an ERC20 token that represents ULX rewards, paid out in all native Ultron dApps.

- **ULX Peg:** wULX mimics the price of its underlying asset (ULX) in equal proportion, i.e., wULX:ULX is always pegged 1:1.

- **Fungibility:** wULX is fungible across all dApps, regardless of the underlying reward schema.

- **Ease of Redemption:** the redemption of wULX should be fully executed within a predetermined time period. Any holder should be able to redeem their wULX without loss and in a short period of time.

- **Wrapping / unwrapping:** wULX can be unwrapped into ULX on the Ultron swap at the exchange rate of 1:1; ULX coin can be wrapped into wULX at the same rate.

5. ULX Farming in Liquidity Provider pairs

Yield Farming is an effective way to earn wULX rewards on Ultron dApps (via UltronSwap). Liquidity Provider (LP) Farms require that users stake two tokens. The user needs to add liquidity to get LP Tokens and then start staking them in a Farm in order to earn rewards and unlock ULX DeFi potential.

6. ULTRON (ULX) allocation and use of digital funds

The Total supply is limited to 50 billion ULTRON coins (ULX).

The ULX will be distributed in the following manner:

- 55% Staking Hub NFT program
- 4% Staking validators
- 6% Developers grants reserve
- 25% Liquidity & Community treasure
- 8% Core team
- 2% Advisors

It is anticipated that Ultron's capital raised from the NFT Staking Hub sale will be used in the following areas:

- Marketing expenses
  - Social Media networks management
  - Promoting native dApp services
  - PR and media paid campaigns
  - Contents marketing
  - Events for growth of the community
- Operation expenses
  - Sales/Operation
  - Legal
  - Additional expansion overseas
  - Prepare for contingencies
- R&D - Development of the applications for the ecosystem

Technology

To build Ultron's L1 blockchain, the engineering team reviewed and thoroughly tested many of the existing solutions and technologies, and carefully selected the best options present on the market.

The Ultron network is essentially a fork of Fantom – a high-performance, secure, scalable blockchain that is fully compatible with the EVM. That means developers can port their existing Ethereum-based smart contracts and dApps to the Ultron blockchain in a matter of minutes, enjoying the great performance and low transaction costs.

Ultron provides full smart contract support through the Solidity programming language as well as full compatibility with Web3 API. That means all existing crypto wallets are fully compatible with the Ultron blockchain, and users do not need to change their habits or learn new tools to interact with it.

The underlying structure of Ultron's distributed ledger is represented by the directed acyclic graph (DAG) composed of event blocks, each of which contains transactions. The DAG, capturing the happens-before relationship between the events, is used to calculate an exact final order of events (in particular transactions) independently on each node. That gives the deterministic finality of the Ultron blockchain protocol.

Ultron blockchain is built on a “DAG-based aBFT” consensus algorithm, that is asynchronous, leaderless, and final – while being Byzantine Fault Tolerant (supporting 1/3 of faulty nodes, including nodes with malicious behavior).

Ultron's unique consensus protocol enables the Ultron L1 blockchain to deliver high throughput (TPS), fast transaction speeds, low transaction costs, and deterministic finality (which means that transactions can never be reverted, with no need to wait for extra block confirmations like in networks with probabilistic finality, e.g., Bitcoin). All this is achieved while being permissionless and decentralized.

Ultron network is secured by a leaderless Proof-of-Stake algorithm that prevents centralization and saves computing power and electricity. The consensus mechanism can also scale to hundreds, or even thousands, of validator nodes, increasing decentralization and, therefore, security. It does not use Delegated Proof of Stake, has no leader selection and voting process, and has no concept of "Masternodes".

Ultron blockchain is also permissionless, which means anyone can run a node in the network. It is allowed for anyone to run a validator node on Ultron's mainnet and participate in securing the network and earn the rewards for such participation, as long as they keep a minimum of 1,000,000 ULX at stake.

For those, who own fewer coins or are not an expert in running the network nodes in the distributed systems, there is an option to participate in securing the network. They can delegate their stake to a validator node to be rewarded. The minimal stake for delegation is 1 ULX.

Here are some numbers regarding running the validator node in Ultron blockchain:

- **Minimum stake:** 1,000,000 ULX
- **Maximum validator size:** not more than 10x the self-stake amount
- **Rewards:** from 5–13% APY on the total stake amount, depending on the locking period.
- **Additionally:** +15% of delegators' rewards.

The actual validator rewards amount also depends on the validator's uptime and stability in the network, as well as on the total size of the validator stake. If the validator behaves maliciously, its stake could be penalized.

Initially, the Ultron foundation will run 19 validator nodes in geographically distributed locations to secure the network, as well as a separate scalable RPC API layer to provide a smooth and low latency connection to the network for the users' crypto wallets and different distributed applications.

With time, we expect that many more independent validators will be deployed to the Ultron blockchain to participate in securing the network and increasing its decentralization.

We believe that Ultron blockchain technology, together with Ultron's unique digital assets management model, will create a solid base to support all kinds of distributed applications, ensure its users' digital assets gain, and encourage the growth of the whole Ultron ecosystem.

Ecosystem

Ultron sets the foundations to create a viable and unique blockchain ecosystem that brings together a community of users from different economic, educational, and technological backgrounds.

On one side, there is a vast pool of millions of users and affiliate partners looking for a better and more modern way to generate passive rewarding digital assets management daily and, at the same time, support the development of the future of the Web3 infrastructure. These digital community members look into DeFi solutions that they can trust and easily understand. Furthermore, they want to receive an APR reward much higher and more consistent than leaving their funds in traditional centralized banking solutions. Moreover, these users are looking for complete control of their digital assets and the possibility to participate in a digital economic system that has a secure but practical KYC requirements solution and less risk of data leakage.

On the other side, there is an ever-growing pool of thousands of developers looking for more flexibility, vision, and development impact than arises from working for IT centralized corporations and traditional companies. They want to participate in the metaverse world of disruptive digital asset solution markets and fast-evolving opportunities.

Furthermore, some users want to collect valuable NFTs that can be displayed in NFT museums or be used as avatars with collectible items in multiple metaverses. Other users seek DeFi solutions to borrow funds or enjoy virtual gambling in lotteries and virtual casinos. A subset of users, primarily millennials, want to participate in high-tech VR metaverse games.

Thanks to Ultron Foundation and the Ultron Grants Foundation

Committee, Ultron will be the entity that brings together all these groups and creates a very active and involved decentralized community. In a few years, when there are enough decentralized validator nodes, Ultron will be capable of migrating its governance into a fully managed community-driven decentralized autonomous organization (DAO) that will address the needs of millions of users, community members, and developers.

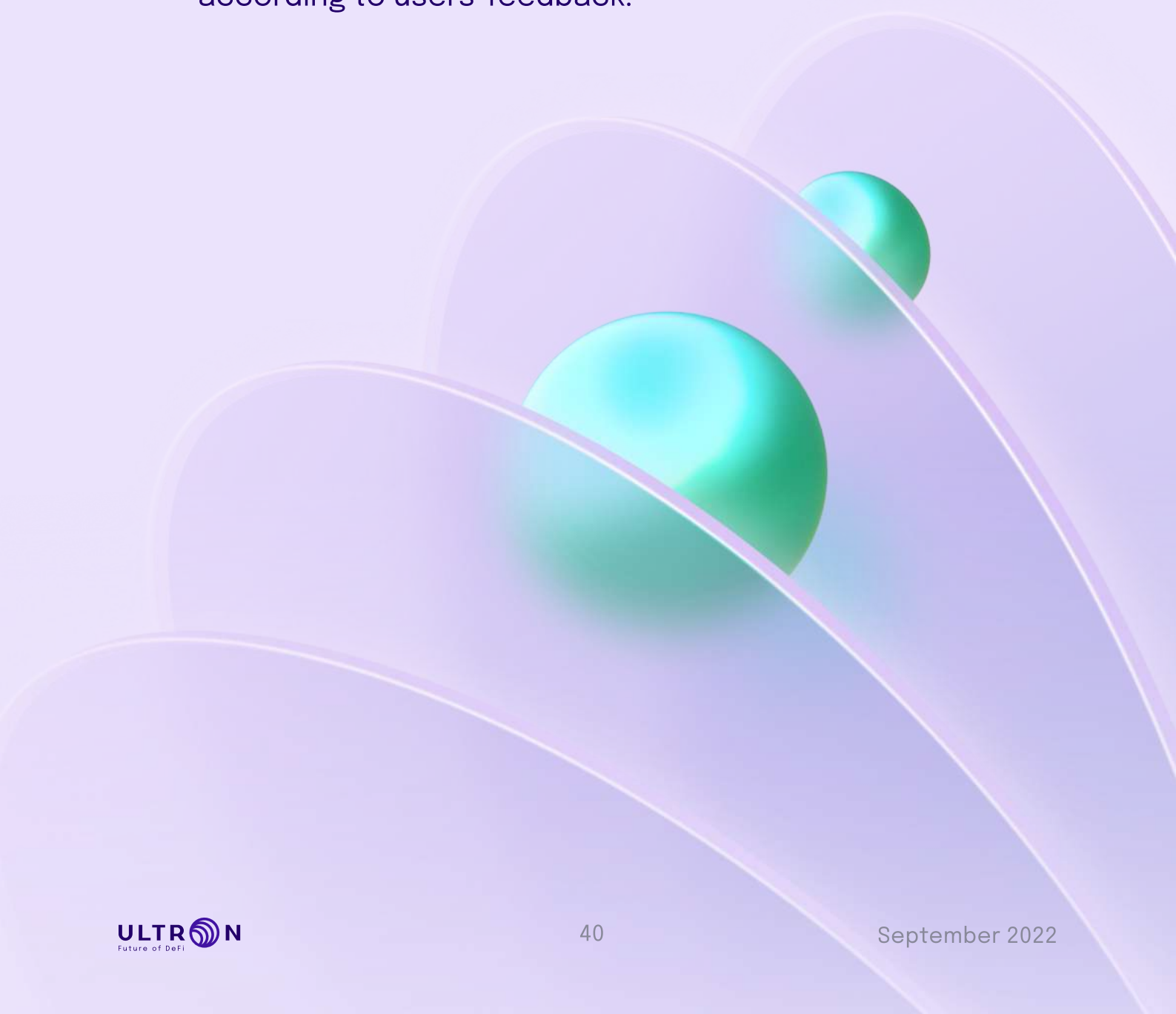
From the first moment, since the genesis of the Ultron blockchain, a wide range of native, release stable, decentralized applications will be already available to fulfill the needs of the different users. These dApps will be available directly on the first layer and will require the use of the native ULX coin. Also, Ultron will strongly incentivize the addition of other projects by the developer community.

The ecosystem will be designed in such a way that every single component will be easy to grasp, even for those users that will access decentralized services for the first time. Ultron will not have any barriers to entry regarding who can use the platform.

On the Ultron platform, the dApps will be displayed according to the service category and ranked according to various criteria. It will include a section for digital assets, lending-borrow applications, digital yield optimizers and yield farmers, NFT marketplaces, virtual gambling applications, metaverse games, decentralized exchanges, Web3 development tools, blockchain

cross-chain bridges, IDO launch pads. The Ultron platform is designed to be flexible and able to support every additional category that still needs to be discovered and invented on the blockchain infrastructure.

The platform will highlight new projects according to the submission date, trending projects according to user conversions, and high reputation projects according to users' feedback.



Developers

Ultron leverages the best existing blockchain technologies to achieve high scalability, security, and near-instant transactions. Implementing this decentralized Web3 infrastructure is only possible thanks to a solid team of in-house blockchain developers with many years of top-notch development experience in some of the best IT corporations and software development companies.

Still, blockchain technology is only in its infancy, and it is continuously evolving at an unprecedented pace. Every day, new improvements to the underlying algorithms and computational processes are being tested and created, and new use cases are being designed by a global community of decentralized developers and mathematicians.

To always ensure the state-of-the-art steady evolution of the project, Ultron needs to be community-driven and adequately incentivize the decentralized IT professionals to cooperate with its future development.

The Ultron Foundation will set up a multi-million USD development fund that the Ultron Grants Foundation Commission will manage to achieve this goal. Its budget will be up to 5% of the funds gathered through the NFT Staking Hub sales so that all the necessary development resources can be provided in the long term.

The interaction between the development teams and the Ultron Grants Foundation Committee will be moderated through a dedicated forum to encourage the participation of both experienced external professionals and groups of independent developers. Everyone will be able to submit application proposals in an anonymous way that the committee will thoroughly screen and analyze in-depth.

The teams behind the most successful applications will be invited to an interview to discuss their project further. Where projects are a good fit, the Ultron Grants Foundation Committee will help set the correct milestones to deliver the solutions via an agile methodology.

The grants will be awarded in stablecoins, like USDT and USDC, to deal with market volatility as well as in ULX coins - to highly incentivize native Ultron and other EVM-compatible dApps and core infrastructure development.

The grants budget will cover education, living expenses, and the required equipment in relation to the size and impact the projects will have on the whole Ultron and global blockchain ecosystem. Bigger budgets will be assigned to more advanced and complex solutions or research topics that will require a longer commitment. MicroGrants, or bounties, will also be given to the most interesting small-sized projects in the order of a few thousand USD dollar value.

The code deployed on the Ultron blockchain will be available on open source repositories in GitHub; this has been available since the NFT Staking Hub's sales launch. It will support multiple widely used standard programming languages like C#, Python, Go, Java, Javascript, and EVM-compatible frameworks like Solidity or Vyper, to leverage existing libraries of smart contract templates. Moreover, it will also encourage the development of

tools like Truffle, Metamask, and Remix. Its containerized environment will be able to integrate additional programming languages and development tools as needed. Thanks to a continuous auditing process, effective, fully interoperable, ad hoc communication with other blockchains through cross-chain bridges can always be guaranteed.

Market

The interest in cryptocurrencies, DeFi solutions and NFTs has never been so high.

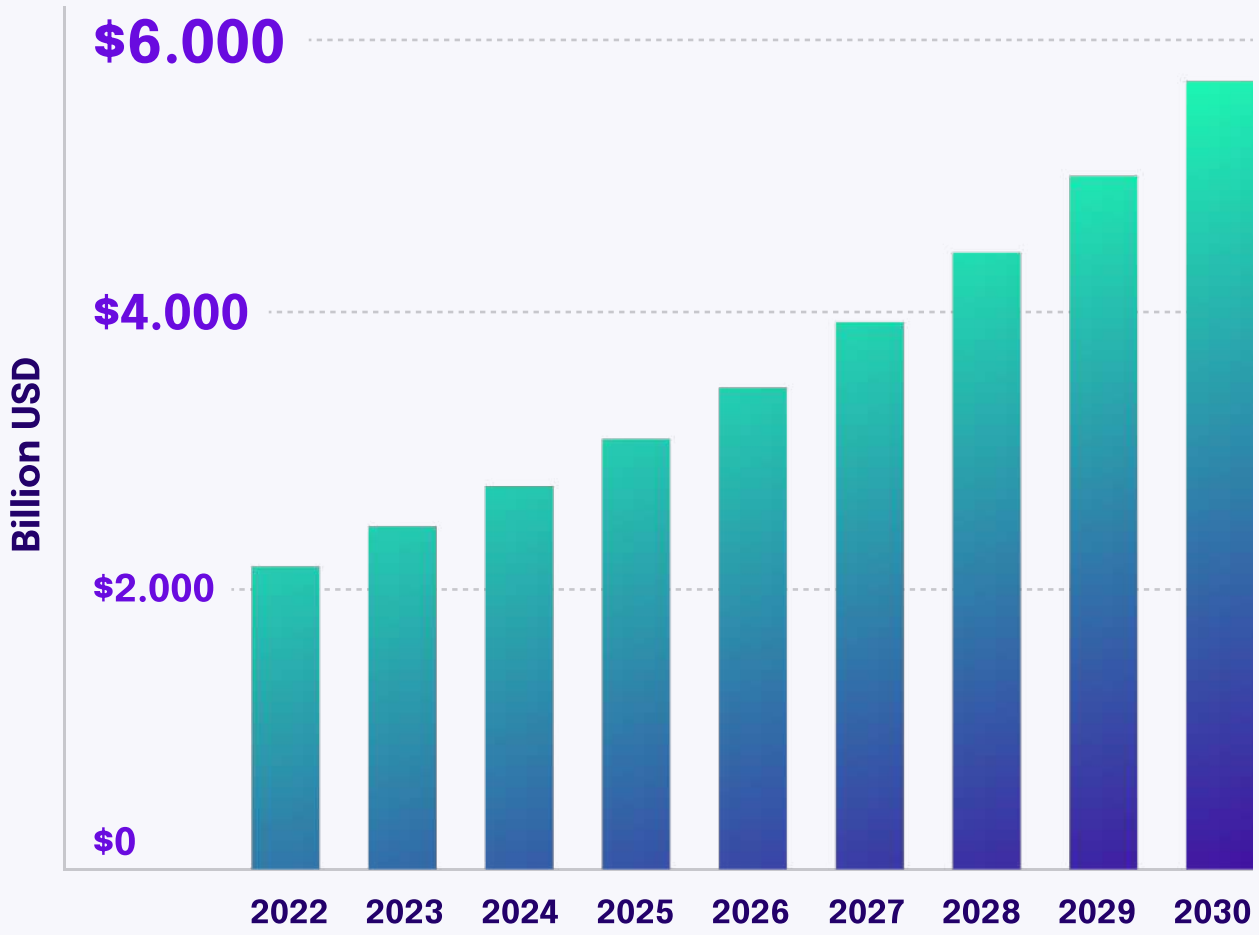
Global Market Overview

The interest in cryptocurrencies, DeFi solutions, and NFTs has never been so high. Constant and growing attention has been given to this industry by the mainstream media, major institutions, and regulatory authorities

Consider that the total market capitalization of the whole crypto market reached USD 3 trillion at the end of 2021, and there is currently a daily transaction volume of more than 120B USD, according to coinmarketcap.com. Bitcoin alone reached an all-time high of over USD 68,000 and, by itself, a market cap of more than USD 1.25 trillion.

People's interest in crypto has skyrocketed, not only among investors but also in popular culture. Yahoo Finance is predicting that by the end of 2022, there will be more than 1 billion crypto users. The WEF predicted that blockchain and distributed ledger technologies would create up to 10% of the world GDP by 2022. According to Allied Markets, it is expected that the cryptocurrency market will more than triple by 2030, with an annual growth rate of 12.8% between 2021 and 2030. Other growth rate predictions are even more optimistic, estimating that by 2030 over 5 billion people will use cryptocurrencies for daily payments.

Total Cryptocurrencies Market Capitalization Forecast 2022-2023



The main drivers of this spectacular growth will be increased demand for international remittances and more transparency in global payments systems by introducing the first government-issued stablecoins, like the digital Euro or Swiss Franc. Cryptocurrencies are also being heavily used to finance multiple charities like we are now seeing in the Russia-Ukrainian crisis.

The regulation of crypto assets is also reaching a stepping stone, with an example like the country of El-Salvador, which adopted Bitcoin as a legal tender in late 2021. Another example is the City of Lugano in Switzerland, which recently started to accept cryptocurrency payments for administrative, tax, and bureaucratic services widely, following the example of Zug a few years ago.

DeFi Market Overview

More specifically, the TVL, or total value locked up in the liquidity pool, has reached approximately 100 billion USD. Nevertheless, these amounts are a tiny fraction of the global financial service industry, whose value is estimated to be north of 20 trillion USD. The growth potential in DeFi in the long term is comparable to the value of Amazon and Google in the late nineties.

Multiple DeFi solutions beat the market's volatility, as they persistently provide significantly higher returns than leaving the funds sitting in the retail banks' accounts that pay around 0.25% APY.

NFT Market Overview

It has been estimated that the NFT market was valued somewhere between 16 and 40 billion USD. In 2021 alone, the NFT market experienced tremendous exponential growth, calculated at more than 210 times the value of 2020. Every week more than 15 million USD of NFT are being sold. On average, NFT prices are below 200 USD, but specific, very successful collections like crypto punks are traded daily for hundreds to thousands of ETH, with an absolute record made by "The First 500 Days" of Beeple selling for more than 38000 ETH.

Otherwise, another valuable and recent use case of NFTs can be seen in the metaverse and GameFi applications, where the NFTs are used as game avatars, upgradeable items, in-game assets, or virtual land and virtual properties. For example, last November, six thousand virtual square feet of Dencentraland were sold for a record-breaking 2.4 million USD.

The concept behind NFT was created in 2014, but only since last year has the broad population started to understand its real value as digital proof of ownership of assets. It is not a secret that NFTs are being investigated by many large corporations and beginning to be incorporated into their business models and operations.

All these factors indicate that the demand for innovative services and passive income solutions like the one that Ultron is planning to deploy with its ecosystem will continue to grow.

Roadmap

The Ultron project was born in mid-2020 from the visionary intuition of the founding team to create a universal hub for staking blockchain native coins in the form of ownership-proof NFTs.

In the following year and a half, the founding team evaluated multiple technical solutions to ensure the deployment of one of the most reliable, transparent, scalable, fast, and efficient blockchains. Their aim was to come up with a protocol able to sustain the transaction volume of a large number of users and multiple financial dApps that Ultron plans to deploy in the next few years.

The next paragraph will summarize the stepping stones of the Ultron roadmap. Every period is named by a timeline of the most revolutionizing space exploration missions.

Mid 2020 - Late 2021

Explorer Phase

- Idea generation and envisioning the future of DeFi
- Founding team created
- Extensive testing and profound studies of blockchain technologies, particularly Polygon, Ethereum sidechains, Cosmos, DAG-based blockchains, and other Layer 2 solutions
- Business and Tokenomics Analysis of the most successful DeFi projects
- Alpha testing of the blockchain network

Early 2022

Luna Phase

- Pitch decks and long term financial commitments of the first partners
- Publish Lightpaper version 1.0
- Beta testing in the testnet

- Start private sale of NFT Staking Hubs for early adopters
- Strategic advisory to design the token incentives
- Signing first major e-commerce partnership

Mid 2022

Apollo Phase

- Launch of the Ultron website
- The signing of additional affiliate partners
- Publish Whitepaper version 1.0
- Staking Hub NFT sales start for the wide public on the 1st of June
- ULX coin genesis day and blockchain mainnet launch
- Listing on major coin price listing websites
- Blockchain cross-chain bridges with the biggest EVM-compatible blockchain networks
- Deployment of the Ultron DEX
- Deployment of the blockchain explorer

Late 2022

Pioneer Phase

- Establishment of the Ultron Foundation Grants Committee and the development incentive fund
- List on the public blockchain catalogs
- Launch of the native lending and borrowing platform
- Expected milestone: 50 thousand active users of the platform by the end of the year
- Metamask wallet integration

Early 2023

Mariner Phase

- Ultron's major marketing campaign through Ultron ambassadors and influencers to attract developers to the platform
- Release cross-chain bridge dApp to support other EVM-compatible blockchain networks
- Development of NFT marketplace

- Deployment of NFT bridge platform
- Listing on decentralized exchanges and on one of the major official cryptocurrency exchange
- Publish smart contract templates for the Ultron blockchain developers

Mid 2023

Venera Phase

- The first halving of the NFT staking rewards on the Ultron network
- The stable release of 50% of the dApps included in this document
- Listing of the ULX coins on additional major crypto exchanges
- Team expansion to manage increasing operational aspects of the foundation

Late 2023

Voyager Phase

- Add more dApps and bridge with the Tron network
- Expected milestone: 500 thousand users by the end of the year and partnership with major financial institutions

Early 2024

Stardust Phase

- Significant team extension to deal with a large number of independent developers
- Additional team expansion to manage all the operational aspects of the foundation
- Establishment of the community-driven Ultron DAO governance

Mid 2024

Rosetta Phase

- The 1st of June 2024 will mark the second anniversary of the project of and the deployment of all the dApps included in: DApps & use cases
- A second halving of the staking rewards on the Ultron network
- Expected milestone: 1.5 million active users of the platform

The Ultron project is constantly evolving, which is reflected in the project roadmap. Ultron is fully committed to meeting the deadlines defined in this roadmap and engaging the critical mass of users to sustain the long-term future of the project.

Nevertheless, it will continuously monitor the changes occurring in the financial markets, especially in the crypto regulation, geopolitical sphere, and significant macroeconomic indicators, and adapt its strategy accordingly.