

Orbital Station Excelsior White Paper



## Orbital Station Excelsior

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#### **Abstract**

Cryptocurrency is a digital representation of value that functions as a medium of exchange, a unit of account, or a store of value, but it does not have legal tender status. Cryptocurrencies are sometimes exchanged for U.S. dollars or other so-called fiat currencies around the world, but they are not generally backed or supported by any government or central bank. Their value is completely derived by market forces of supply and demand, and they are more volatile than traditional currencies. The value of cryptocurrency may be derived from the continued willingness of market participants to exchange fiat currency for cryptocurrency, which may result in the potential for permanent and total loss of value of a particular cryptocurrency should the market for that cryptocurrency disappear.

Cryptocurrencies are not covered by either FDIC or SIPC insurance. Legislative and regulatory changes or actions at the state, federal, or international level may adversely affect the use, transfer, exchange, and value of cryptocurrency. Purchasing cryptocurrencies comes with a number of risks, including volatile market price swings or flash crashes, market manipulation, and cybersecurity risks. In addition, cryptocurrency markets and exchanges are not regulated with the same controls or customer protections available in equity, option, futures, or foreign exchange investing. There is no assurance that a person who accepts a cryptocurrency as payment today will continue to do so in the future.

Including our project, the features, functions, characteristics, operation, use and other properties of the specific cryptocurrency may be complex, technical, or difficult to understand or evaluate. The cryptocurrency may be vulnerable to attacks on the security, integrity or operation, including attacks using computing power sufficient to overwhelm the normal operation of the cryptocurrency's blockchain or other underlying technology. Some cryptocurrency transactions will be deemed to be made when recorded on a public ledger, which is not necessarily the date or time that a transaction may have been initiated.

Cryptocurrency trading requires knowledge of cryptocurrency markets. In attempting to profit through cryptocurrency trading you must compete with traders worldwide. You should have appropriate knowledge and experience before engaging in substantial cryptocurrency trading. Any individual cryptocurrency may change or otherwise cease to operate as expected due to changes made to its underlying technology, changes made using its underlying technology, or changes resulting from an attack. These changes may include, without limitation, a "fork," a "rollback," an "airdrop," or a "bootstrap." Such changes may dilute the value of an existing cryptocurrency position and/or distribute the value of an existing cryptocurrency position to another cryptocurrency.

Technological innovation is the driving force behind the advancement of the blockchain industry, but many innovative projects have been misunderstood and ignored at their early stages. Recalling that Ethereum and Polkadot were questioned as altcoins in the early days, they all went through difficult times. Therefore, OSEX mission is not only a public multi-chain project, but also to focus on the discovery and support of high-potential developers and innovative projects. Relying on the world's largest trading ecosystem, OSEX is committed to becoming the birthplace of innovative technologies and innovative businesses, and building a complete ecological loop of technology development, application promotion, and trading.

#### About blockchain

Blockchains are made up of a series of individual blocks. Each block contains information about transactions conducted within a given time period. They also contain a unique identifier to differentiate them from every other block in the chain. Blocks are created by solving cryptographic problems. The process of solving these problems is known as mining. Mining a block on the blockchain attracts a reward. Blockchains are decentralized records. Instead of being stored in one central location, the blockchain is stored on the computers of every user of that given blockchain.

Meanwhile, the unique block identifier — known as the hash — is derived from the information contained in every previous block in the blockchain. This means that, in order to falsify any record on the blockchain, a nefarious actor would have to change every block on every instance of the blockchain. As a result, blockchains are considered to be virtually unfalsifiable, and are thought of as immutable records of transactions. Today, most blockchains are public. This includes prominent cryptocurrencies such as Bitcoin and Ethereum. Anybody can view records of transactions conducted on a given blockchain, using a tool called a block explorer.

Theoretically however, blockchains afford a high level of anonymity to users.
While public blockchains are the norm, private versions are also being explored as a solution for many business and governmental use cases.

## What Is an Ethereum Virtual Machine (EVM)?

Ethereum Virtual Machine (EVM) is a computation engine which acts like a decentralized computer that has millions of executable projects.

It acts as the virtual machine which is the bedrock of Ethereum's entire operating structure

It is considered to be the part of the Ethereum that runs execution and smart contract deployment.

The role of the EVM is to deploy a number of extra functionalities to the Blockchain to ensure users face limited issues on the distributed ledger.

Every Ethereum node runs on the EVM to maintain consensus across the blockchain. Ethereum facilitates something called smart contracts, a piece of code that is running on Ethereum.

EVM is completely isolated meaning the code inside the EVM has no access to network, file system or other processes.

Ethereum has two types of accounts: Externally Owned Accounts (EOA) and Contract Accounts, both of which are treated equally under the EVM.

Account abstraction tries to reduce this to just one account meaning both EOAs and Contract Accounts function like each other. EOAs are controlled by private keys, meanwhile contract accounts are stored in the smart contracts, also known as smart wallets.

A contract which is written in the smart-contract coding is converted into something called a bytecode.

Most of the source code for using smart contracts is done using programming language from Solidity.

It is then converted into opcodes for the EVM to interpret.

The EVM then uses the operation codes in order to complete certain tasks.

#### EVM compatibility blockchains

EVM compatibility means nothing. They are basically a smart contract platform that can process transactions and other data similar to that of smart contracts on the Ethereum network. Users can use these platforms to build DApps as they do on Ethereum. Not only DApps, but ICOs, NFTs (fungible and non-fungible) and any ERC20 tokens are interchangeable. That is they can be transferred back and forth between any of the EVM networks – Thanks to the cross-chain bridges.

#### About cross-chain bridges

Bridges are proving to be more valuable in the DeFi ecosystem. It not only benefits the end users but is also a valuable for the entire cryptocurrency ecosystem.

Bridges provide flexibility – It enables user to transfer assets and valuable data from one blockchain to another. This enables users to access the benefits of different blockchain technologies and they are not limited to the capabilities of one particular chain. Cross-chain collateral – Using cross chain bridge users can simply reap the rewards of all chains. One of the most popular scenario is Bitcoin users benefiting from the functionalities of DeFi on the Ethereum blockchain. Bitcoin on Ethereum becomes Wrapped Bitcoin (WBTC), an ERC20 token where native BTC holders can trade around the well-established DeFi ecosystem and reap the rewards.

Interoperability between blockchains — Bridges not only provides interoperability between individual blockchains but also provides a connect between L1 main chain (parent blockchain) and L2 chain (child chain). This allows developers to implement and execute DApps across DeFi platforms (e.g. rollups built on Ethereum). This interoperability between blockchains simply increases the rate of mass adoption.

Scalability – Bridges in DeFi greatly enhance the network scalability. Since it enables connection between the main chain and secondary chain, it can distribute the transaction loads across their ecosystem. That too without giving up on the liquidity and the network effects. Allowing traffic between many blockchains and layers is beneficial during high transaction volumes especially when the main chain gets congested.

Efficiency – Using Bridges users can move their assets from a non scalable blockchain to a high performance chain and take advantage of the low gas fees while still benefiting from the Ethereum's smart contract capabilities. They can even conduct micro-transactions on chain quickly and without having to worry about high transaction costs. Ability to conduct fast, low cost transaction simply enhances the DeFi and DApp experience.

# About decentralized exchanges (DEX)

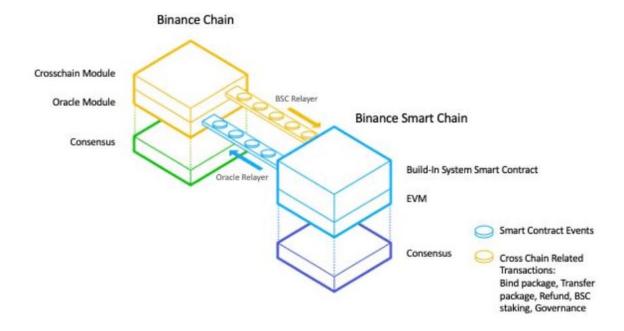
A decentralized exchange (better known as a DEX) is a peer-to-peer marketplace where transactions occur directly between crypto traders. DEXs fulfill one of crypto's core possibilities: fostering financial transactions that aren't officiated by banks, brokers, payment processors, or any other kind of intermediary. DEXs are usually built on opensource code, meaning that anyone interested can see exactly how they work.

Navigating decentralized exchanges requires some specialized knowledge and the interfaces are not always easy — be prepared to do a lot of research and do not expect the DEX itself to offer much handholding. You will generally have to look offsite for a walk-through or explainer. Caution is required because it is possible to make an unfixable error, like sending coins to the wrong wallet. Another common issue is known as "impermanent loss," which can result from pairing a more volatile cryptocurrency with a less volatile one in a liquidity pool.

#### Information about some blockchains we use

**BINANCE SMART CHAIN** 

Binance Smart Chain (BSC) was launched by Binance in April 2019. Its primary focus is to facilitate fast, decentralized (or non-custodial) trading. Perhaps unsurprisingly, the biggest decentralized application (or DApp) on it is Binance CEX, one of the friendliest decentralized exchanges out there. BSC boasts smart contract functionality and compatibility with the Ethereum Virtual Machine (EVM). The design goal here was to leave the high throughput of Binance Chain intact while introducing smart contracts into its ecosystem.

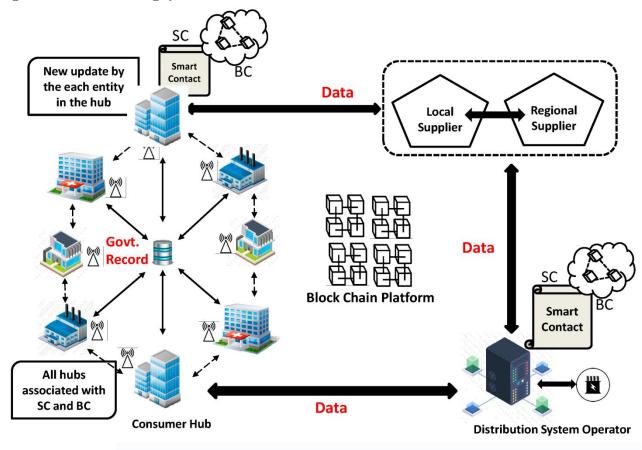


#### ETHEREUM BLOCKCHAIN

Ethereum is open access to digital money and data-friendly services for everyone – no matter your background or location. It is a community-built technology behind the cryptocurrency ether (ETH) and thousands of applications you can use today. Ethereum is a technology that lets you send cryptocurrency to anyone for a small fee. It also powers applications that everyone can use and no one can take down. It is the world's programmable blockchain.

Ethereum builds on Bitcoin's innovation, with some big differences. Both let you use digital money without payment providers or banks, but Ethereum is programmable, so you can also use it for lots of different digital assets — even Bitcoin! This also means Ethereum is for more than payments. It is a marketplace of financial services, games and apps that cannot steal your data or censor you.

Ethereum offers an extremely flexible platform on which to build decentralized applications using the native Solidity scripting language and Ethereum Virtual Machine. Decentralized application developers who deploy smart contracts on Ethereum benefit from the rich ecosystem of developer tooling and established best practices that have come with the maturity of the protocol. This maturity also extends into the quality of user-experience for the average user of Ethereum applications, with wallets like MetaMask, Argent, Rainbow and more offering simple interfaces through which to interact with the Ethereum blockchain and smart contracts deployed there. Ethereum's large user base encourages developers to deploy their applications on the network, which further reinforces Ethereum as the primary home for decentralized applications like DeFi and NFTs. In the future, the backwards-compatible Ethereum 2.0 protocol, currently under development, will provide a more scalable network on which to build decentralized applications that require higher transaction throughput.



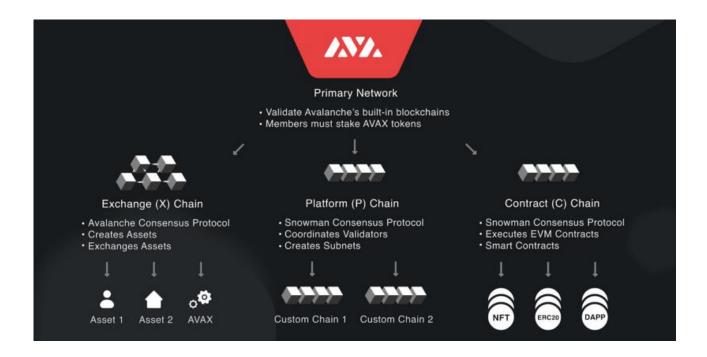
#### AVALANCHE BLOCKCHAIN

Avalanche is a decentralized, open-source proof of stake blockchain with smart contract functionality. AVAX is the native cryptocurrency of the platform.

Avalanche is a blockchain that promises to combine scaling capabilities and quick confirmation times through its Avalanche Consensus Protocol. It can process 4,500 TPS (transactions per second). For Ethereum, that number is 14 TPS.

#### **C-chain**

The Contract Chain is the default smart contract blockchain on Avalanche and enables the creation of any Ethereum-compatible smart contracts. This blockchain is for applications that require total ordering (for faster asset transfers or any other commutative application, use the Exchange Chain). The Contract Chain implements the Snowman consensus protocol.

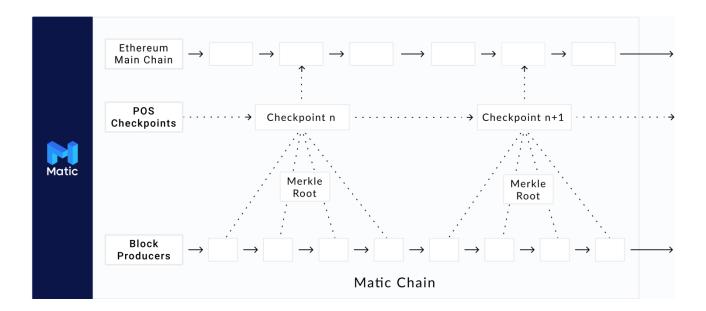




#### POLYGON (MATIC) BLOCKCHAIN

Polygon is a "layer two" or "sidechain" scaling solution that runs alongside the Ethereum blockchain — allowing for speedy transactions and low fees. Polygon has its own cryptocurrency, called MATIC, which is used to pay fees on the Polygon network, for staking, and for governance (which means that MATIC holders get to vote on changes to Polygon).

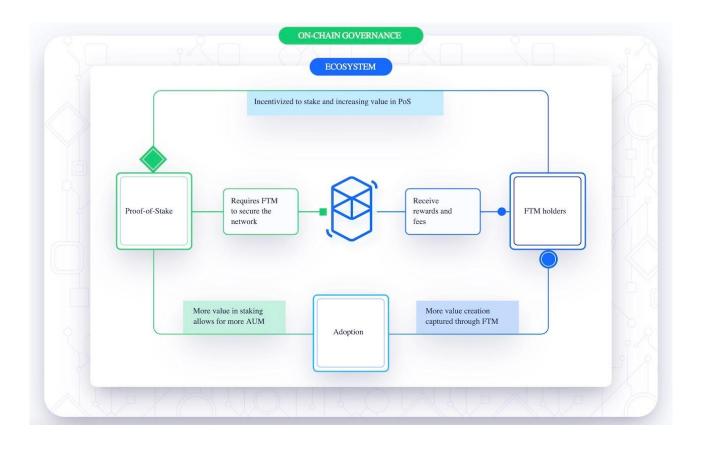
The name MATIC comes from an earlier stage in Polygon's development. After launching as Matic Network in October 2017, developers rebranded as Polygon early in 2021. The Polygon network allows you to do many of the same things the main Ethereum network allows, but with fees that are often a fraction of a cent.



#### PHANTOM BLOCKCHAIN

Fantom is a smart contract-supporting blockchain, powered by its native FTM token. Following a \$40 million raise, Fantom launched its mainnet in December 2019. Its blockchain is fast and cheap, and in 2021 proved that it could support its own decentralized finance (DeFi) industry. Fantom is a layer-1 blockchain aiming to provide an alternative to the high costs and low speeds about which users of Ethereum often complain.

The Fantom blockchain partly achieves its speed through a directed acyclic graph (DAG), where blockchain transaction histories are displayed as a "hashgraph"—a graph of blockchain hashes. Another innovation is Fantom's "leaderless" consensus mechanism, Lachesis. The mechanism is a variant of proof of stake, called asynchronous byzantine fault tolerant (aBFT). The advantage is that it can operate without a hitch even if a third of transaction data is fraudulent.



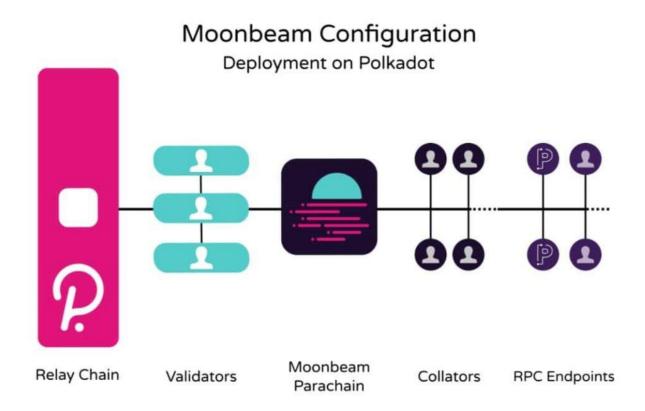
#### MOONBEAM BLOCKCHAIN

Moonbeam was founded in January 2020 by Derek Yoo, a technology entrepreneur, CEO of PureStake, and co-founder of the Fuze communication platform. After winning a grant from the Web3 Foundation, Yoo launched the Moonbeam Testnet in September 2020, but the project did not gain popular traction until over a year later, when the Moonbeam user-community launched an effort to secure a parachain slot on the Polkadot blockchain.

Polkadot is a multi-chain network that facilitates interoperability via the main relay chain that will eventually allow up to 100 parachains to exchange tokens, services, and other types of data. Moonbeam is a parachain that promises cross-chain interoperability between the Ethereum and Polkadot blockchains. More specifically, Moonbeam is a smart contract platform that enables developers to move dApps between the two networks without having to rewrite code or redeploy infrastructure. In a Web3 world populated by an increasing number of blockchains and tokens, Moonbeam promises to help facilitate a cross-compatible, interoperable future.

The Moonbeam parachain went live on Polkadot in January 2022, after Moonbeam users collectively committed almost USD 1 billion in DOT tokens. Yoo emphasized that the Polkadot parachain status was an important step towards unlocking the potential of Moonbeam, bringing decentralized interoperability, and enabling both networks to "leverage each other's specialized services".

The GLMR Token: Glimmer (GLMR) is the Moonbeam network's native token. GLMR is a utility token and is used to fuel transactions, provide security, and facilitate staking-based governance decisions. About 98 million GLMR tokens were allocated in a private event called Take Flight in 2021, but the supply will eventually reach of a total 1 billion.



#### HUOBI ECO CHAIN (HECO)

HECO Chain (Heco) is a decentralized, high-efficiency and energy-saving public chain. It is compatible with smart contracts and supports high- performance transactions. The endogenous token of Heco is HT and it adopts the HPoS consensus mechanism. Heco will continue to improve the efficiency of Ethereum by Layer2, which will supplement and empower the Ethereum ecosystem. In December 2020, the HECO Chain, Heco officially launched its "Tinder" phase, which will focus on improving the on-chain infrastructure, including but not limited to: Oracles, Voting tools, Anchor Coins, DEX, Lending, Financial Management, Insurance, Synthetic Assets, Cross-Chain Solutions, Data Analysis, Smart Contract Innovation, etc.

In October 2021, HECO has now entered the "Spark" phase, which focuses on improving developer and user experience and infrastructure. In full, it is a decentralized and energy efficient (that's why they have ECO as part of the name) blockchain built on the Ethereum Virtual Machine (EVM). With this feature, developers can create utilities of all sorts using smart contracts and connecting with other blockchain platforms while users will appreciate the low transaction fees and higher speed of execution. DeFi related applications have been deployed on the HECO. Chain and we'll examine some of them briefly.



#### **CRONOS BLOCKCHAIN**

Cronos is the first blockchain network that interoperates with both the Ethereum and Cosmos ecosystems, supporting DeFi, NFTs, and the metaverse. It aims to massively scale the Web3 user community by providing builders with the ability to instantly port apps and crypto assets from other chains with low cost, high throughput, and fast finality. Cronos is powered by Ethermint, which allows for the rapid porting of apps and smart contracts from Ethereum and EVM-compatible chains. Cronos's base settlement currency is CRO, the native token of its parallel blockchain, the Crypto.org Chain.

Built with IBC protocol from day one, Cronos allows for interoperability and bridging to the Crypto.org Chain: a fully decentralized, open-source, and energy efficient public chain with high speed and low fees. It also facilitates interoperability with other IBC-enabled chains (e.g., Cosmos Hub, Terra) in a decentralized way.

An EVM that is built for interoperability and offers low cost (less than 1 USD per transaction), high throughput (supporting 50 million transactions per day), and fast finality (same as the block time, or 5-6 seconds). Tendermint can process more transactions per minute than most public blockchains, making it faster, cheaper, and greener to execute smart contracts. IBC is a protocol that allows blockchains to talk to each other; it can transfer value, interchange assets and services, and connect without running into the scaling issues inherent in some of the largest blockchains today. A portable Web3 app code with libraries and standards from/to any EVM chain.

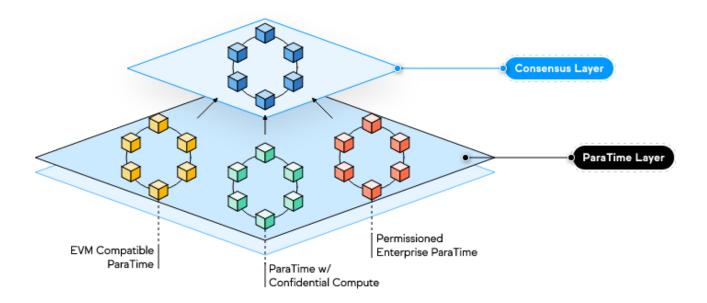
Developers can easily deploy DApps on Cronos with familiar tools. IBC allows Cronos to communicate with other Cosmos-based chains that are IBC-enabled (e.g. Cosmos Hub, Osmosis, Terra, Injective, etc.), allowing for easy asset transfers across them. This further expands the utility of Cronos-native assets to other ecosystems and enables Cronos to support native tokens from IBC-enabled chains.



#### OASIS NETWORK BLOCKCHAIN

The Oasis Network is a Layer 1 decentralized blockchain network designed to be uniquely scalable, privacy-first and versatile. The Network has two main architectural components, the Consensus Layer and the ParaTime Layer. The Consensus Layer is a scalable, high-throughput, secure, proof-of-stake consensus run by a decentralized set of validator nodes. The ParaTime Layer hosts many parallel runtimes (ParaTimes), each representing a replicated compute environment with shared state.

Emerald — The EVM Compatible ParaTime, a new Smart Contract environment offering full EVM compatibility, now live on the Oasis Network. Emerald is officially on the Mainnet with >30 node operators. Emerald will bring a host of new features and capabilities to the Oasis Network, such as easy integration with EVM-based DApps and the launch of DeFi. Emerald is fully decentralized with node operators distributed globally, and Oasis ROSE will be the native token used for gas fees.



#### About decentralized exchanges (DEX)

PANCAKESWAP (BINANCE SMART CHAIN)

PancakeSwap is a decentralized exchange for swapping BEP20 tokens on Binance Smart Chain. PancakeSwap uses an automated market maker (AMM) model where users trade against a liquidity pool. Such pools are filled with users' funds. They deposit them into the pool, receiving liquidity provider (or LP) tokens in return. They can use those tokens to reclaim their share, plus a portion of the trading fees.

The LP tokens are called FLIP tokens. PancakeSwap also allows users to farm additional tokens – CAKE and SYRUP. On the farm, users can deposit LP tokens, locking them up in a process that rewards users with CAKE. Users can stake CAKE tokens to receive SYRUP, which will have further functionality as governance tokens (and as tickets in a lotteries).





#### TRADER JOE DEX (AVALANCHE)

Trader Joe is a one-stop-shop decentralized trading platform native to the Avalanche blockchain. Trader Joe builds on the frontier of Decentralised Finance, providing users with an innovative and unique trading experience that is seamless, accessible and empowering.

The origins of Joe were born from a blended desire to create a unique and truly innovative trading platform that would resonate with the emerging superiority of the Avalanche blockchain, whilst also serving a global and burgeoning audience at the frontier of the decentralized finance industry.

Since launching, the platform has attracted over \$1.5bn in assets and has gained backing from some of the most widely recognized investors in the industry.

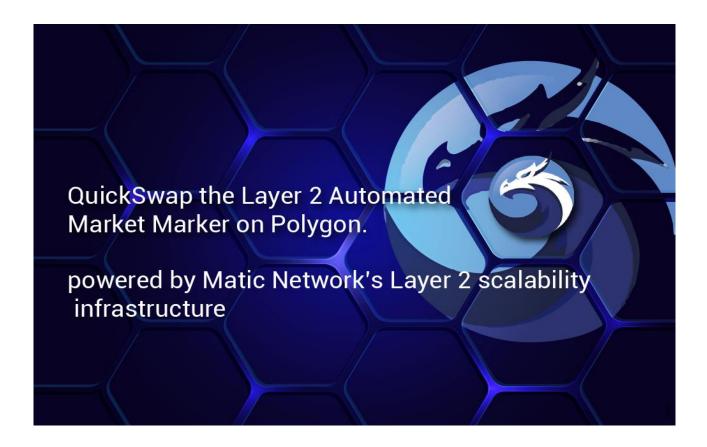
Joe has set out to serve the community at the frontiers of DeFi by innovating, building fast and, most importantly, building securely. The ultimate goal is to build a trading platform that provides users with a true 'one-stop-shop' DeFi experience.

Come to the Joe platform and Swap, Stake, Farm, Lend, Borrow, and Leverage ... Do it all under one roof. Users of the Platform will have the ability to immerse themselves into a fully integrated, highly accessible DeFi Trading Platform.



#### QUICKSWAP (POLYGON (MATIC))

QuickSwap is a permissionless decentralized exchange (DEX) based on Ethereum, powered by Matic Network's Layer 2 scalability infrastructure. By utilizing Layer 2 for transactions, QuickSwap users will be able to trade any ERC20 asset at lightning-fast speeds with near-zero gas costs. QuickSwap is a fork of the originator of Automated Market Makers in the now rapidly expanding DeFi sector of the Cryptocurrency industry, Uniswap. Both, of course, are magical. Only, rather than settling for the magic of unicorns, we have opted for the magic of dragons. It is a much faster kind of magic, currently only available in a land far far away, known by the locals as Layer 2. Although it is very very far away, to get there requires only a few mouse clicks via the magical MATIC portal, aided by a fanciful Fox with a Mask. Many travelers have questions upon first arriving. Here we provide instruction for newcomers, free of charge, to guide you on your way.

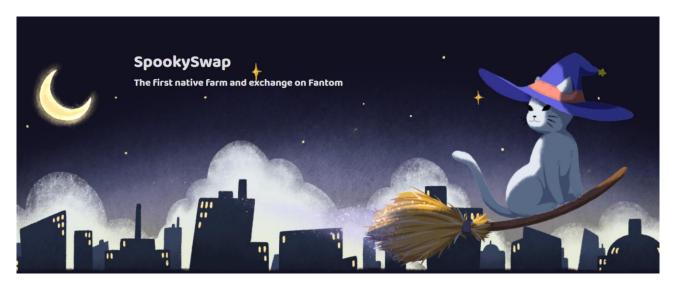




#### SPOOKYSWAP (PHANTOM)

SpookySwap is an automated market making (AMM) decentralized exchange (DEX) for the Fantom Opera network. Different from other DEXs, we are invested in building a strong foundation with our BOO token as a governance token, diverse farms, a built in bridge for easy on-boarding and user-centered service. BOO is the native governance token:

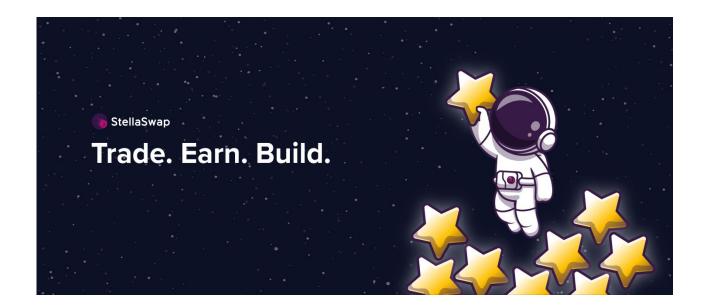
- -Stake BOO for xBOO to earn protocol fees
- -Used for governance votes to determine new farms and other feature changes



#### STELLASWAP (MOONBEAM (POLKADOT))

StellaSwap is one of the first automated market making (AMM), decentralized exchange (DEX) for the Moonbeam parachain network. The unique value proposition of StellaSwap is that we are committed in establishing a strong foundation with our native token, STELLA, as governance token, diverse farms, a built in bridge and user-centered service.

StellaSwap's main objective is to create a broader range of network effects to address the issues of liquidity in the DeFi space, instead of limiting ourselves to a single solution like many DEXs are doing now. This manifests itself in the diverse product suite of StellaSwap that will be explained in more details. Our products are structured in such a way that facilitates decentralized governance of STELLA holders, while continuing to innovate on the collective foundations by design.



#### MDEX.COM (HECO)

MDEX.COM supports the decentralized cross-chain transaction protocols of BSC, HECO and ETH, and ranks first in the DEX rankings by CoinMarketCap and CoinGecko. MDEX.COM innovatively combines the different advantages of various basic public chains, and creates a well-rounded and composite DEX ecosystem with high performance. The "dual mining" mechanism of liquidity mining and transaction mining brings greater returns to the participants, and the transaction fee "repurchase and burn" mechanism realizes a closed and self-driven loop for value capture. It runs on the HECO, ETH and Binance Smart Chain (BSC). Users can use MDEX Bridge to realize cross-chain interoperability between HECO, ETH and BSC.

MDEX is committed to establishing a composite DeFi ecosystem that integrates DEX, IMO, and DAO, providing one-stop liquidity services for more high-quality assets, and providing users with a more secure, reliable, diverse, and cost-effective trading experience. For cryptocurrency trading, MDEX.COM is definitely the greater, faster, better and cheaper choice!

MDEX currently has five major sectors: Swap (including transaction mining), Liquidity mining, Boardroom, IMO, and Fun Buyback.



#### MADMEERKATFINANCE (CRONOS)

MM Finance is the most popular AMM & DEX on Cronos Chain with the highest trading volume. We have the lowest trading fees on Cronos Chain at only 0.17%. On top of that, we are the FIRST to introduce Protocol Owned Liquidity (POL) into our DEX! You will find potential projects on MM Finance early and accompany them to grow up to massive predator through trading, farming, etc. Also, we have the lowest trading fees in all of Cronos. How awesome is that? You save fees when you trade on us compared to other dexes! You will find the best support on MM Finance, including grants/launchpad fundraise, arbitrage support, marketing support and our network that stretches outside of the CRONOS Chain. Projects can reach out to us to establish pools or farms or for whitelisting on our swap.



#### YUZUSWAP (OASIS NETWORK (EMERALD PARATIME))

YuzuSwap is a decentralized exchange on the Oasis Emerald paratime that includes incentives like liquidity & and trade mining. YuzuSwap follows a non-custodial, peer-to-peer, automated-market-maker model, and aims to provide a safe, swift, low-cost tool to discover and swap tokens within the Oasis ecosystem.

The YuzuSwap platform itself is fully open to developers and members of the Yuzu DAO. YuzuSwap's trade mining mechanism is designed based on a TPST (trading pool share token). Once users trade in incentivized trading pairs, they will get a balance in TPST, similar to LPT (liquidity provider token) as their evidence of trading. They will receive the trade mining token in each block according to the share of TPST. If the user does not claim the trade mining rewards, TPST balance will always be there and mine in each block until user chooses to claim the trade mining rewards, after which the TPST balance will reset to zero.

YuzuSwap can be integrated into any projects on Oasis. For instance, users could collateralize their LPT (liquidity provider token) on the upcoming lending protocol on Oasis and regain their liquidity. Alternatively, they can also borrow LPT from the lending protocol to mine YUZU token without the concern of potential impermanent loss. The DAO vault may opt to purchasing insurance for pools on YuzuSwap, so even if unexpected incidents happen, those pools will be covered by insurance.

Promising new projects on Oasis could apply for IDO/IFO on YuzuSwap, and it will be a great way to raise fund for projects from the community. Users with YUZU tokens will vote for which project may go live on the IDO/IFO launchpad, whether or not to allocate mining pool to the new token, and what percentage of the mining pool will be allocate to the new token, etc.



#### **OSEX Overview**

The Orbital Station Excelsior (OSEX) is an international community aimed to bring real benefits to the real world with the help of blockchain technologies, providing all possible assistance and giving hope where it no longer exists.

Our slogan - make the world better together! We do not focus on one blockchain, we use them all, using bridges, Web 3 applications, decentralized exchanges, related technologies and a financial system. We are not an official accountable government financial organization; the main mechanism of our smart contracts is the accumulation of funds, with their subsequent use for charitable needs and purposes around the whole world, as well as expanding the influence of our community on social networks and other Internet platforms. The 21st century is not only about discoveries and achievements in the IT field, but it is also the century of widespread use of these innovations. Blockchain technologies allow us to redirect money flows from one place to another without any intermediaries in the form of banks. The future belongs to electronic money, and Blockchain is the future!

OSEX aims to integrate the advantages of multiple chains to create a high-performance compound ecology. The special redistribution to all holders mechanism of smart-contract from every transaction provides participants with maximum profit. The transaction fee for OSEX includes an active burn mechanism that ensures that the token deflates, which means the price of the token increases over time.

All used DEX strives to provide one-stop liquidity services for more high-quality assets and brings users a safe, reliable, diversified and cost-effective transaction experience.

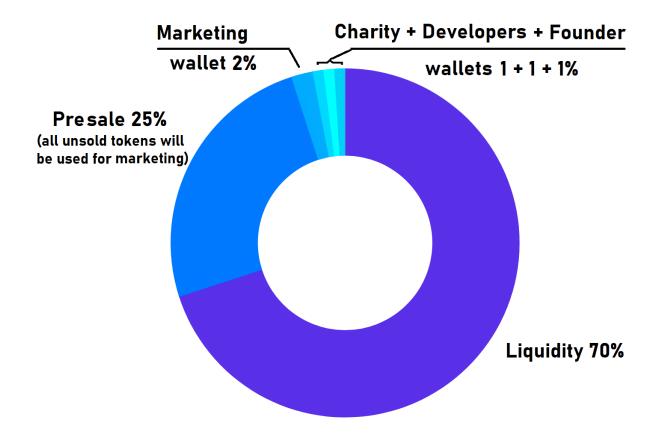
OSEX-project will build a new business ecology with full application scenarios covered and various chains connected. It will continue to expand application scenarios and lower the usage threshold to provide global users with more convenient, high-performance, low-cost and non-differentiated crypto-asset financial services, thereby realizing fair pricing of assets, instant settlement of transactions and free flow of values.

This project allows all holders to obtain benefits, and is also set to interact with the community. The Orbital Station Excelsior will allow participants to choose the direction of the project. Our beginning includes many opportunities for a crypto project to meet the real world. For example, 1% of each transaction will go to a special charity wallet. Cash income received from this wallet will be sent to charitable projects around the world (rescue funds, volunteer organizations, international movements, environmental protection, etc.). We guarantee to provide reports and proofs of our activities.

The project was founded on November 07, 2021.

#### **Tokenomics**

# Orbital Station Excelsior (OSEX) TOKENOMICS





#### Presale details

We have chosen the easiest and most reliable way to pre-sale our token for investors. You make a transfer to our wallet, and in return you receive your OSEX tokens. The whole procedure is transparent; you can view your transactions and the purchases of other users using the block explorer of the corresponding blockchain. Our team operates openly, the project is legitimate, we are financially responsible, and we are the guarantor of the proposal below.

Blockchain: Binance Smart Chain

DEX: PancakeSwap

Token name: Orbital Station Exselsior (OSEX)

Decimals: 7

Total token supply: 1 septillion \*  $10^{24}$  ( 1 000 000 000 000 000 000 000 000 ) OSEX. Allocation for presale: 25 sextillion \*  $10^{21}$  ( 25 000 000 000 000 000 000 000 ) OSEX (25% of the total supply).

Presale price is fixed: 10 BNB (BEP20) for 1 sextillion \* 10<sup>21</sup> ( 1 000 000 000 000 000 000 000 ) OSEX (1% of the total supply).

Min contribution is 0.1 BNB (BEP20). Max contribution is 10 BNB (Other tokens: USDT, USDC, DAI, etc. are also allowed for presale. The number of tokens purchased will be calculated at the BNB exchange rate on the date of the transaction.

To make a purchase, each user needs to send his BEP20 assets via crypto wallet (DO NOT USE EXCHANGE ADDRESS, you will not be able to receive OSEX tokens!) to the marketing address (below) & be sure that you are sending exactly your BSC (BEP20) assets).

Address for presale (marketing wallet) is:

#### 0x777777BbEb2EdA9a1aaEE6d68CB177B9Aad3CBc4

All funds raised will be converted into BNB and added to the starting liquidity on PancakeSwap DEX

All tokens purchased on the presale will be distributed to wallets of buyers after one month since the start of trade on the PancakeSwap (Vesting time is 30 calendar days after launch). This mechanism was created to prevent negative price changes when trading starts.

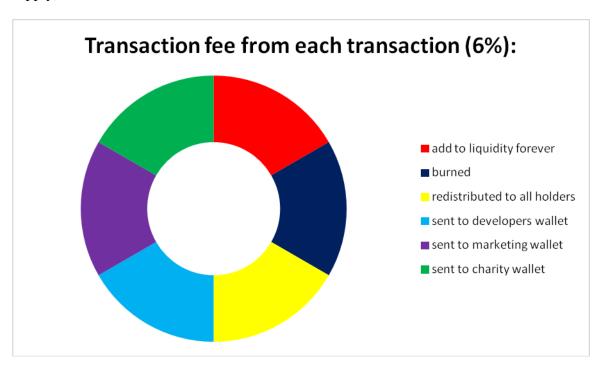
All unsold tokens will be used for marketing purposes such as airdrops, contests, events and wages of temporary employees, advertising costs and for the other activities as well.

#### Technical smart contract information

Smart contract address (BSC): 0x42614E5ACf9c084a8aFDfF402eCD89d19F675c00 Smart contract address (Avalanche): 0x42614E5ACf9c084a8aFDfF402eCD89d19F675c00 Smart contract address (Cronos): 0x42614E5ACf9c084a8aFDfF402eCD89d19F675c00

The list will be updated as it is launched on other blockchains. All functions of the contract will be identical.

Total token supply: 1 septillion  $*10^{24}$  ( 1 000 000 000 000 000 000 000 000 ) OSEX. Max transaction limit: 5 sextillion  $*10^{21}$  ( 5 000 000 000 000 000 000 000 ) OSEX (5% of the total supply).



We recommend using 10% slippage when exchanging on the DEX.

Developers wallet address: 0x05E10fd4a2303988bd15b89C3EE37fE66946008B Marketing wallet address: 0x777777BbEb2EdA9a1aaEE6d68CB177B9Aad3CBc4 Charity wallet address: 0x4c9A5452A0d409391ba5f02C1d7918628477777

Founder (owner) wallet address: 0x77777772E099ADFe76a83EdC4006a51Db9206Ec3

Funds accumulated on the marketing, charity and developers wallets will be regularly exchanged for BNB/AVAX/MATIC/CRO/HT/ETH/ROSE/GLMR/FTM and StableCoins (BUSD, USDT, USDC, DAI). The accumulated money in stablecoins will be accounted in total on all blockchains where our token is launched. Money amounts will be transferred through bridges from network to network for the convenience of using this money for the needs of the team, community, and charitable purposes.

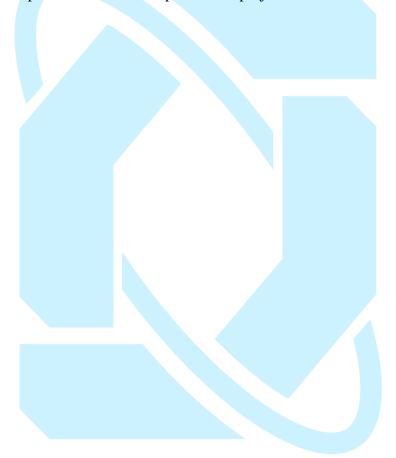


Funds accumulated on the marketing wallet will be spent on the following purposes:

- -Airdrops
- -Contests
- -Events
- -Wages of temporary employees
- -Advertising
- -Other activities (see the roadmap section for usage examples).

Funds accumulated on the charity wallet will be sent to representatives of charitable organizations (pursuant to the community vote).

Investors should conduct extensive research into the legitimacy of each individual cryptocurrency. By buying the OSEX token, you accept all the technical mechanisms of the smart contract, the views and policies of the developers on the project.



#### Orbital Station Trajectory Map (Roadmap)

#### Stage I

- +Development of a smart contract that meets the requirements of functionality and security
- +Smart contract testing on various blockchains
- +Smart contract audit
- +Creation of platforms for community formation (GitHub, Telegram chat+channel, Twitter account, Instagram, YouTube, Reddit, Discord, Medium, Gitbook)
- +Announcement of an honest, transparent presale

**Fundraising** 

Applying for publication on block explorers (add data, logotype)

Stage II

Make an airdrop for users via Twitter

Trading start on DEX (BSC)

Complete token distribution from the presale (after 30 days after trading start)

Make a logo and slogan community contest

Make a vote among users (choice of the charity organization)

Make a first charitable donation at 100k market capitalization or 1.000 holders

Stage II will repeat (deploy contract, make presale, start tradings on DEX) with same smart-contract on Avalanche, Polygon (MATIC), HECO, Fantom, Moonbeam (Polkadot), Ethereum, Cronos, Oasis Network & other blockchains.

Stage III

Community events and giveaways, other airdrops

Meme and other creativity contests

Aggressive marketing, finding and securing deals with partners and sponsors

Expanding influence on social networks and media platforms (Facebook, TikTok, WeChat, Weibo, Bitcointalk.org, Altcointalk forum, etc.)

Make charitable donations at every new 10.000 holders pursuant to the community vote

Stage IV

Creation of NFT marketplace (all NFTs can be bought only for OSEX tokens)

Merch store creation (when accumulated \$50.000 on marketing wallet, we will purchase and set up the production of various merchandise and clothing with our logos which you can purchase only for OSEX tokens (50% of the money from the sales will be transferred to the charity)

Publication on centralized exchanges (WhiteBIT, Bybit, Hotbit, LBank, XT exchange)

Opening and running our private Lineage 2 and World of Warcraft games servers without donations, subscription, admins and rules (when accumulating \$10.000 on marketing wallet, we will develop, setup and launch game servers. You can experience a real adventure by playing on our servers!)

Make nodes of our brand in various PoS blockchains, with low commissions where you can keep your funds safe and receive high APY

Make our own polychain DEX (we will grant bonuses for all OSEX token holders)

Make our own blockchain with a payment system (crypto wallet) for fast and convenient payment anywhere around the world, storing your funds with the staking function (mobile and desktop apps)

Launching a real satellite into Earth's orbit (It's a joke)

Stage V

Management and control over all areas of our community and ecosystem, accumulation of funds, expansion of zones of influence, and worldwide use of the brand.

Create our own official monetary fund for charitable activities

Coming soon...

#### Team

Cryptocurrency is expanding, and captures more and more areas of our life. History remembers many successful and failed crypto projects. Remembering the mistakes and inspired by the success, our team invites you to participate in a long-term project on the blockchain.

Low transaction fees will allow hundreds of thousands of users to participate in our project. Our smart-contract and the entire blockchain protocol guarantee the safety and security of your invested funds. We have specially selected a large amount of OSEX tokens so that each user can feel like a multibillionaire and enjoy receiving new tokens every minute (redistribution mechanism between holders).

We are a team of young crypto-enthusiasts full of strength and ideas; we are in crypto since 2017, we have some deep experience in crypto projects; we want to create and support a popular crypto community that will write its name in history.

All the main members of our team are from Eastern Europe (GMT + 3). Our team includes five key employees, some number of hired staff, and an indefinite number of community members who can make a useful contribution to project.



**OSEX CEO** 

#### **Valdis Veiss**

**Project Founder, Ukraine** 



https://t.me/osex\_support https://twitter.com/ValdisVeiss https://www.linkedin.com/in/valdisveiss https://www.instagram.com/osexnetwork



OSEX CTO

#### Pavel Lodazyna

**Technical Director, Poland** 

Contact:

https://www.instagram.com/osexnetwork



OSEX CMO

**Arktur Gadibullin** 

**Marketing Director, Latvia** 

Contact: https://t.me/forair35 https://www.instagram.com/osexnetwork



OSEX mascot

Alba, Earth's Orbit

Contact: https://t.me/addstickers/OSEX\_Alba

You can always contact us via e-mail (osex.owner@gmail.com) and Telegram (https://t.me/osex\_support). We will review and respond to all your messages, and we will help you to find a way to solve your problems.



#### Contacts and links

Orbital Station Excelsior (OSEX)

Website: https://osexnetwork.com/

E-mail:

osex.owner@gmail.com (for advertising and commercial questions) auditkyc@osexnetwork.com (for smart contract security audit or team KYC requests)

Official Twitter profile: https://twitter.com/OSEXNetwork

Telegram chat group: https://t.me/osex\_chat

Telegram announcements channel: https://t.me/osex\_announcements

Telegram RU chat group: https://t.me/osex\_chat\_ru Telegram NG chat group: https://t.me/osex\_chat\_ng

Telegram contact (for private dialog): https://t.me/osex\_support

We are on blockchain:

https://blockscan.com/address/0x42614e5acf9c084a8afdff402ecd89d19f675c00
Smart contract address (BSC): 0x42614E5ACf9c084a8aFDfF402eCD89d19F675c00
Smart contract address (Avalanche): 0x42614E5ACf9c084a8aFDfF402eCD89d19F675c00
Smart contract address (Cronos): 0x42614E5ACf9c084a8aFDfF402eCD89d19F675c00
Smart contract address (Polygon): 0x42614E5ACf9c084a8aFDfF402eCD89d19F675c00

Smart contract address (Huobi ECO Chain): 0x42614E5ACf9c084a8aFDfF402eCD89d19F675c00

Smart contract address (Moonbeam): 0x42614E5ACf9c084a8aFDfF402eCD89d19F675c00 Smart contract address (Fantom): 0x42614E5ACf9c084a8aFDfF402eCD89d19F675c00

Contract code on block explorers:

https://bscscan.com/address/0x42614E5ACf9c084a8aFDfF402eCD89d19F675c00#code https://snowtrace.io/address/0x42614E5ACf9c084a8aFDfF402eCD89d19F675c00#code https://cronoscan.com/address/0x42614E5ACf9c084a8aFDfF402eCD89d19F675c00#code https://polygonscan.com/address/0x42614E5ACf9c084a8aFDfF402eCD89d19F675c00#code https://moonbeam.moonscan.io/address/0x42614e5acf9c084a8afdff402ecd89d19f675c00#code https://moonbeam.moonscan.io/address/0x42614e5acf9c084a8afdfff402ecd89d19f675c00#code https://moonbeam.moonscan.io/add

https://ftmscan.com/address/0x42614e5acf9c084a8afdff402ecd89d19f675c00#code

https://www.hecoinfo.com/en-

us/token/0x42614e5acf9c084a8afdff402ecd89d19f675c00?tab=Transfers

Discord: https://discord.gg/4uPVcyen8Z

GitHub: https://github.com/OrbitalStationExcelsior Instagram: https://www.instagram.com/osexnetwork/

Youtube: https://www.youtube.com/channel/UCm5QiJSu9rySS15arUXZbpw

GitBook: https://osex.gitbook.io/docs/

Medium: https://medium.com/@OrbitalStationExcelsior

Reddit: https://www.reddit.com/r/OSEX/

Techrate free audit for BSC:

https://drive.google.com/file/d/17IO8y0qELM8yhm7iXKXGPyc0NrjXeJOU

Dev Linkedin: https://www.linkedin.com/in/valdisveiss

Whitepaper: https://osexnetwork.com/OSEX\_Whitepaper.pdf

#### Conclusion

Thank you for reading to this place.

I am a man, I have a higher education and I have the time and opportunities to organize my own project. Every man in his life must do something great and write himself in history. At least he should try. Money is not the goal; you cannot take your wealth to the grave. I want to create something worthwhile and great. As you know, great things are not achieved all alone, and if you are reading this, then I ask you to help me in my endeavor...

"I can do things you cannot, you can do things I cannot. Together we can do great things." Mother Teresa

