Solana Decentralized Exchange

Soldex.ai

A native, scalable and decentralized exchange governed by the community. Built On Solana.

Contents

Introduction

Decentralized finance (DeFi) is a rapidly growing trend in finance, taking the old components of traditional finance and transforming them into trustworthy and transparent protocols via smart contracts and tokens. In December 2019, the DeFi ecosystem had $700 million worth of digital assets locked in its financial products. Recently, this number surpassed $3.6 billion.

The appeal of DeFi is clear: access to a borderless, open alternative to every financial service imaginable — savings accounts, insurance, loans, trading and more.[1]

However, today most of the DeFi transactions are handled on the Ethereum network. This has led to an increased congestion in the network, which has made transactions on Ethereum slow and expensive, investors and traders across the world have found themselves having to pay upwards of $50 in gas fees (or more) just to make a single transaction. Moreover, many of the exchanges suffer from low liquidity levels, low volume, inefficient slow transactions duration and poor user experience.[2]

Soldex.ai is a first-of-its-kind base decentralized exchange (or DEX, for short), Soldex.ai is non-custodial, which means that—unlike centralized exchanges— Soldex.ai does not need to possess your tokens in order for you to be able to trade them. Instead, Soldex.ai allows users to trade in a secure and safe manner, peer-to-peer, with liquidity that is supplied by other users. It is a third generation crypto exchange looks to solve the issues faced by order-matching centralized exchanges and trustless custody within current decentralized exchanges using advanced machine-learning and neural network algorithms.

Based On the Solana Network, soldex.ai solves the problems of other Ethereum based DEXs, users will be able to exchange tokens at a speed greater than 50,000 transactions per second for a cost of less than $0.00001 per transaction, enabling efficient and quick transactions.

Vision

Soldex.ai is nothing short of ambitious than being one of Solana's network-leading DEX platform.

Soldex.ai is attempting to eliminate centralized intermediaries and to pave the way for full decentralization with an ownerless community driven marketplace, censorship-resistant, and safe trading within the Solana ecosystem.

Soldex.ai users will be able to effortlessly execute smart contract-based trades instantly at a fraction of the cost of the Ethereum network in comparison.

Soldex.ai is not a regular a crypto exchange platform it is an advanced decentralized exchange that uses artificial intelligence bots, machine-learning and neural network algorithms.

What is SOLDEX.AI?

Soldex.ai is a Third generation crypto exchange.

Over the last decade, cryptocurrency exchanges have been forced to evolve in order to keep pace with the development of the crypto market. A third generation crypto exchange looks to solve the issues faced by order-matching centralized exchanges and trustless custody within current decentralized exchanges.

The soldex.ai protocol will power the new wave of flexible financial markets by serving as a foundation layer for settlement, market making, custody and liquidity. New wave of market makers will own unique algorithms, customize their trading strategy, and adjust their desired risk exposure, while keeping custody of their funds. In addition to exchanges, businesses such as OTC desks and market makers can simplify complex settlement workflows, which often involve manual procedures that are slow and prone to error without the fear of losing their funds.

Features

Permissionless

Trade perpetuals on any pairing. Our governance will ensure that the best trading pairs are available and that only the safest oracles are used.

Efficiently incentivised Liquidity

Liquidity pool trading is predicated on having enough assets in each pool in order to facilitate instant trades. Soldex addresses this requirement by incentivising users to deposit assets and provide liquidity.

Community Governance

Token holders can establish consensus by voting on governance proposals or introducing new proposals for a vote.

Ecosystem Foundation Layer

Attract assets and build incentives that can empower an ecosystem of financial products.

Real-time Settlement and Light-speed swaps

Fast trading experience with automatic deposit directly to your wallet.

Solana Network

Soldex.ai leverages the Solana ecosystem to enable fast, cheap and intuitive trading experience for users of the platform while keeping it fully decentralized thanks to an infrastructure built on top of a number of smart contracts and blockchain oracles.

Solana's technology renders it more than capable of carrying out its mission of mass adoption. As far as speed goes, Solana is extremely capable. It boasts 65,000 transactions per second (TPS), which makes Ethereum's meandering 30 TPS pale in comparison.

According to Solana, SOLX holders will be able to exchange SOLX at speeds greater than 50,000 transactions per second – often for less than $0.00001 per transaction – on the Solana network. A perfect solution for new generation trading.[3]

Hence, using the Solana Network will allow soldex.ai to compete the other Ethereum based DEXs and to become a market leader.

Decentralized Exchange

At the moment, a bottleneck of the current virtual currency system is the time needed to carry out transactions. To overcome this problem and to provide more convenient transactions, an exchange market for virtual currency has been developed. However, the existing virtual currency exchanges are centrally controlled by exchange organizers. As a result, they are prone to malicious attacks, and in fact, a number of hacking incidents on exchange has been reported.[4]

Just In 2019, over $290 million worth of cryptocurrencies were stolen and over 500,000 login information where leaked from Centralized Exchanges. More people are realizing these risks and are turning to Decentralized Exchanges (DEXs) which are using smart contracts and "on-chain" transactions to reduce or eliminate the need for intermediary. [5]

The decentralized exchange solve this problem and is based on an electronic payment system based on cryptographic proof instead of trust, allowing any two willing parties to transact directly with each other without the need for a trusted third party. Transactions that are computationally impractical to reverse would protect sellers from fraud, and routine escrow mechanisms could easily be implemented in order to protect buyers.[6]

The decentralized exchange (DEX) is a new DApp that has been developed to cope with this weak points of centralized marketplaces. DEX allows a seller and a buyer of crypto assets to make a direct exchange in a decentralized manner on blockchain. Data (crypto assets and transaction records) is held in a decentralized manner so that DEX does not present itself as a single point of failure to attackers. Furthermore, because the system is open to the public, transactions can be made in a much more transparent fashion. [4]

The main feature of a DEX is a feature called "atomic swap", which is code on the blockchain that allows two parties to exchange tokens/crypto assets without involving an intermediary party, and avoids one party defaulting on the transaction, which would damage the counter party.

In a DEX, unlike a centralized exchange, participants manage their own crypto assets in their own wallet. When there is an exchange between two parties, the exchange occurs directly between the two wallets instead of going through longer process that involves using a trusted third party. This direct exchange process is called atomic swap.[4]

The Problems With other DEXs

As mentioned before, nowadays most DeFi transactions are handled on the Ethereum network. This has led to an increased congestion in the network, which has made transactions on Ethereum slow and expensive. Investors and traders across the world have found themselves having to pay upwards of $50 in gas fees (or more) just to make a single transaction.

Whether a user is trying to make a $10 trade or a $10,000 trade on Uniswap, costs reach upwards of $50+, depending on the network congestion at the time of the transaction. This has made Ethereum transactions cost-prohibitive for most retail traders to participate in. Sidechains, layer 2 (L2) solutions, and even different blockchains such as the Binance Smart Chain (BSC) have emerged as a result of this market need. Some of these solutions have seen an increase in volume and have even gained some traction. Yet they each come with qualms of inaccessibility, lack of adoption, and centralization.[4]

Today, some decentralized exchanges are being developed or put into operation, but these

projects cannot indeed meet the needs of actual usage.

Problems mainly include:

• Low liquidity levels, low volume

• Inefficient, slow transaction speed, poor user experience

• Limited by cross-chain trading technical problems, limited trading cryptocurrency

types, etc.

• The majority of the DEXs are trading platforms for Ethereum and ERC-20 tokens.

The main problem is the association with the main chain limits that transaction performance

and the efficiency is low. Also, due to the complexity of cross-chain transactions, cryptocurrency

selections in trade is limited.

Using The Solana Network, soldex.ai solves the problems of other Ethereum based DEXs, users will be able to exchange tokens at a speed greater than 50,000 transactions per second for a cost of less than $0.00001 per transaction, enabling efficient and quick transactions.

Academy

SOLDEX Academy - building Solana DeFi community

The ultimate goal of SOLDEX academy is to build a strong and vibrant Solana DeFi community. Our Vision is to be an educational resource, designed to help new users become familiar with Solana and DeFi and its key concepts. We want to:

- Explain Solana and DeFi to anyone new to the technology
- Help new developers to start building
- Learn and explore together
- Showcase resources created by the community
- Build united and impactful community

AI Powered trading

Cryptocurrencies continue to be an extremely interesting phenomenon. Digital coins continue to be an incredibly profitable investment tool, capable of generating huge profits on cryptocurrency exchanges or when investing in these assets over the long term.
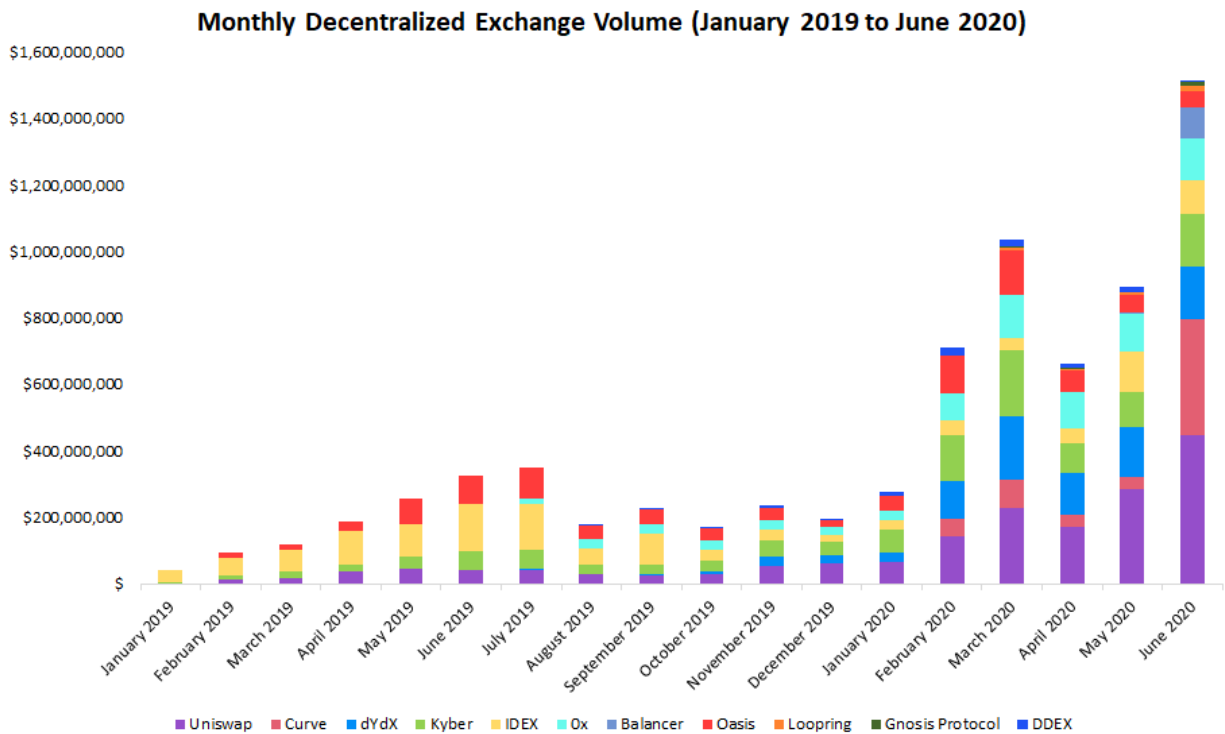
Soldex.ai will work on all market conditions 24/7 with emotionless machine-learning and neural network algorithms. It's like hiring an expert to do crypto trading for you while you can sit back and watch.

Crypto trading bots have the following key components: Market Data Analysis, Market Risk Prediction, Buying/Selling the Assets

Soldex.ai rely on development and governance implemented by a *Decentralized Autonomous Organization (DAO)*, which is managed by the community according to a constitutional code of conduct. This structure allows to spread the decision making power evenly among the DAO's members, thus ensuring that the interests of all voters are adequately represented. As diversity increases and the system matures, it becomes increasingly autonomous, healthy, and self-sustainable, hence the increasing relevance of an autonomous agent that learns to safeguard the constitutional code by implementing the principles of Machine Learning and exhibiting the virtues of AI, in particular lack of bias. Hence AI is the key that shall lead Soldex.ai to self governance.[7]
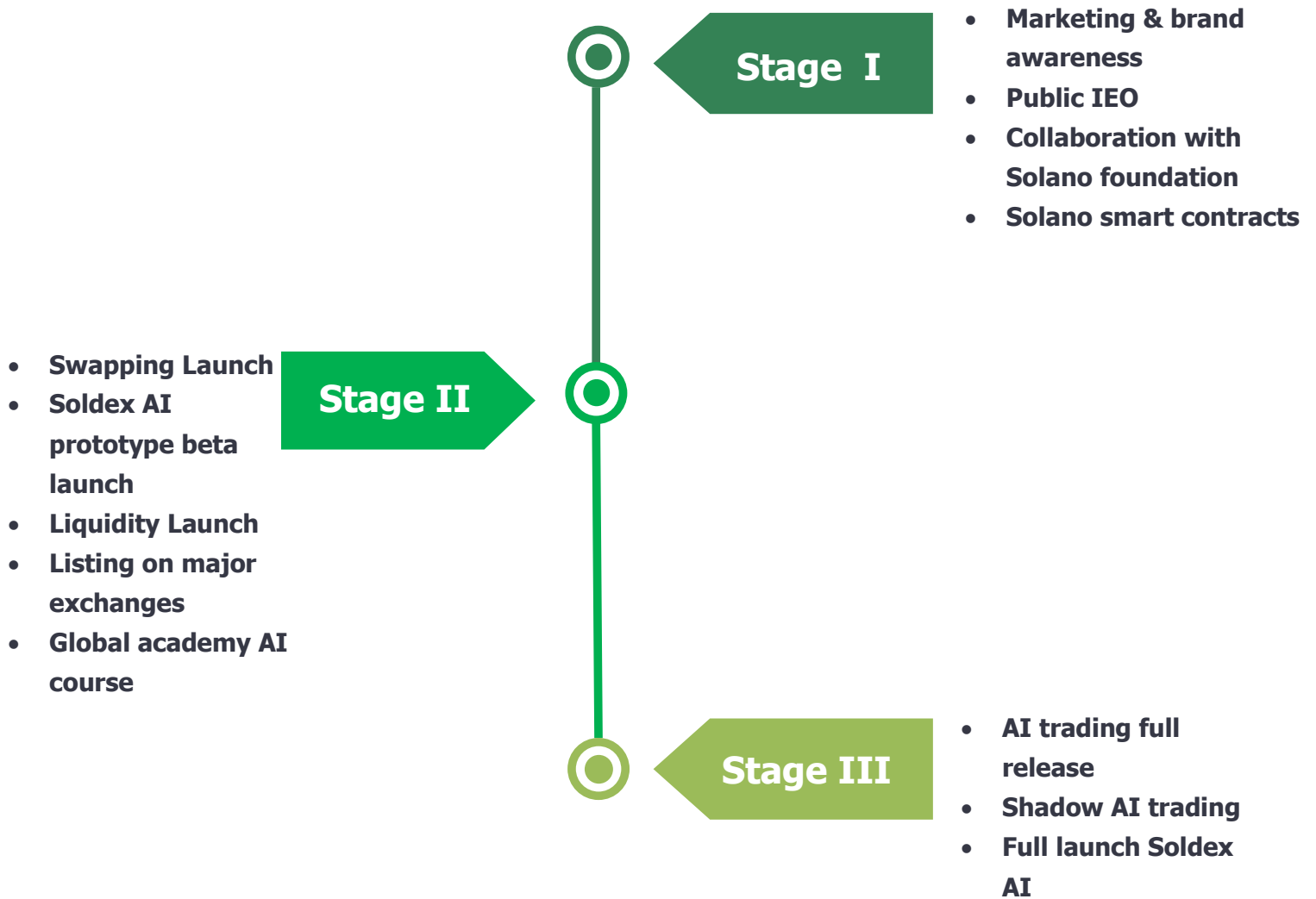
State of the market

- The estimated number of global crypto users has passed 100 million - and boomers are now getting drawn to bitcoin too, reports find.
- Adoption.
- Estimated Total number of BTC owners 71mln.
- Estimated Total number of ETH owners 14mln.
- Binance trading volume was $1.5 trillion of spot trades in May, 2021.
- Uniswap trading volume was $0.5 billion of trades in May, 2021.[8]
- Solana Is Raising Up to $450 Million to Challenge Ethereum.
- Cryptocurrency trading made easy.
- More than 190 Projects are linked to Solana.
- As of January 2021, there are nearly 1400 cryptocurrencies that could be exchanged and traded for crypto and fiat currencies based on data from CoinMarketCap.

Monthly Decentralized Exchange Volume (January 2019 to June 2020)

Source: Dune Analytics, CoinDesk Research

Source: https://www.coindesk.com/decentralized-exchange-volumes-up-70-in-june-pass-1-5-billion

Roadmap

Stage I
- Marketing & brand awareness
- Public IEO
- Collaboration with Solano foundation
- Solano smart contracts

Stage II
- Swapping Launch
- Soldex AI prototype beta launch
- Liquidity Launch
- Listing on major exchanges
- Global academy AI course

Stage III
- AI trading full release
- Shadow AI trading
- Full launch Soldex AI

Tokenomics

The top 10 centralized exchanges are generating as much as $3 million in fees revenue in a day and worth billions. Ownership for many of the large exchanges remains a mystery. Centralized exchanges have limited transparency on fee structure and unknown discounts for active traders. Some exchanges charge ridiculous fees of up to $15M USD to get projects listed on their exchange.

Soldex.ai plans to build a platform rake in millions with a revenue structure that is transparent, fair and profitable.In order to achieve this goal Soldex.ai will use native Solana token - Soldex (SOLX).[9]

Soldex.ai relies on the fundamentals of block chain for storing a transactions over a peer to peer network. Unlike crypto currencies the decentralized exchange have three type of entities (i.e. Issuer, Trader [User] and Miner). The network relies on issuing process, orders (Open order and execution order) and blockchain . The miner would verify the transaction for validity as well as match the execution orders and upon successful conformation could generate a block using proof of work as followed by the protocol.[10]

Soldex.ai belongs to the productive DeFi tokens-which are sometimes called as "the holy grail of crypto capital assets" as they represent both governance and on-chain cash flow rights. Unlike their counterparts, they allow holders to stake their position in return for passive income in the form of protocol fees, Naturally, the key metric to understand with any DEX token like SUSHI and UNI is trading volume. This is a fundamental indicator for the adoption and success of a decentralized exchange. Higher volume translates to more fee-generating revenue for the protocol, which drives the value of these DeFi tokens. Using the Solana network will allow a rapid increase in the trading volume and therefore increase in revenues. [11]

SOLX usage:

- Protocol governance
- Transaction fees
- AI Bots feeding
- Staking for protocol profits redistribution (TX fee redistribution to SOLX stakers will benefit owners to generate yields, plus it decreases supply in the open market, which positively affects token price).

SOLX and Distribution Channel:

- Max supply: 800.000.000
- Public price: $0,03
- Private sale price: $0,02
- Advisors: 5%
- Team: 10%
- AI bots and incentivasion: 20%
- Development: 20%
- Liquidity: 20%
- Private sale: 25%

Disclaimer

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References

[1] https://www.forbes.com/sites/forbestechcouncil/2020/08/28/how-defi-is-reinventing-the-worlds-financial-system/?sh=474fd480bc14

[2] https://coinmarketcap.com/alexandria/article/uniswap-vs-pancakeswap

[3] https://markets.businessinsider.com/news/stocks/solana-crypto-avoid-it-in-favor-of-ethereum-for-now-1030492713

[4] Yano, M., Dai, C., Masuda, K., & Kishimoto, Y. (2020). *Blockchain and Crypto Currency: Building a High Quality Marketplace for Crypt Data* (p. 141). Springer Nature.

[5] How to DeFi 1st Edition, March 2020, Lau et al.

[6] Nakamoto, S. (2011). Bitcoin: A Peer-to-Peer Electronic Cash System.

[7] https://www.comparethecloud.net/articles/decentralised-exchanges-in-the-age-of-ai/

[8] https://crypto.com/research?category=defi

[9] https://www.bloomberg.com/news/articles/2018-03-05/crypto-exchanges-raking-in-billions-emerge-as-kings-of-coins

[10] Patel, H. (2014). A block chain based decentralized exchange. *International Association for Cryptologic Research, XP061017563, 20141225*, 065012.

[11] https://newsletter.banklesshq.com/p/are-productive-defi-tokens-better