W H I T E P A P E R

&

TOKENOMICS

v.1.2

Contents

Abstract

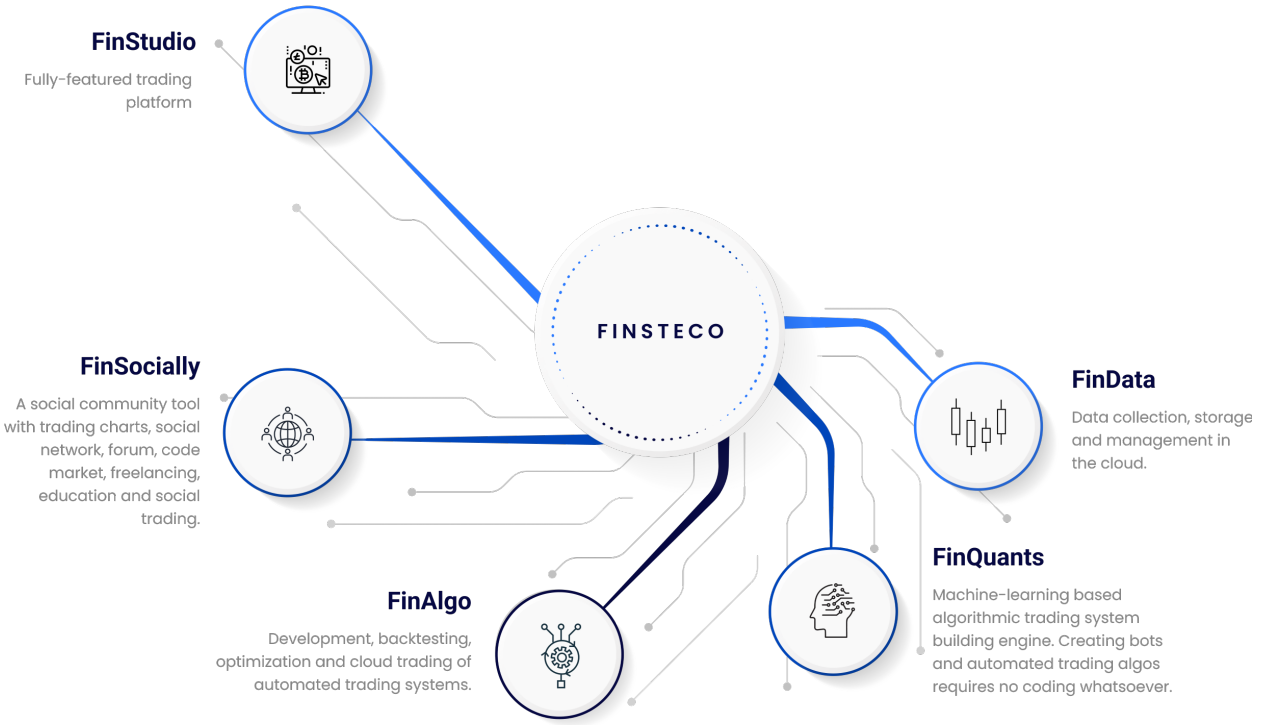
Fin Systems project has been in development for the past 6 years, and on domain fin.technology, it presents a suite of Fin products and services. Some are completed and ready to be released; some are still in development.

Fin Systems has developed a highly flexible trading platform for all types of tradable assets: **cryptocurrency, forex, stocks, digital assets, NFTs, and commodities.**
The platform can trade any market and instrument type.

The trading platform FinStudio is designed for all trader groups – professional traders, yet easy enough to use for everyday traders.


FIN TECHNOLOGY

FinTechnology Ltd. presents its own unique ecosystem, built by Fin Products and Fin Services on its domain fin.technology. Each product or service is unique and suited for different needs in specific niche industries.



FINSUITE

FinSuite, a product of Fin Systems, is a robust B2B solution for brokerages, exchanges, professional traders, asset managers, funds, and all financial institutions involved in the trading industry. The system includes a trading platform, reporting engine, trading engine, CRM, back-office, and data service.

FINSOCIALLY

Another Fin Systems product, FinSocially, is a true trading-oriented social community providing services such as charting, social network forums, code market, freelancing, education, and social trading. Traders can create their own groups and share charts directly through posts. Users can become providers and offer their services to other users. Groups can be upgraded to a paid membership and extended with added functionalities such as screensharing video and audio support. Providers can organize live trading, education, or tutoring streaming sessions. Traders can also buy scripts on the code market or hire freelancers to program their trading ideas.

FINDATA

FinData services concentrate on the collection of historical data. They collect any type of data like real-time feed that brokerage or exchange streams and fully support Level 2 or tick data. Data is stored on the cloud, where it can be accessed, monitored, managed, exported, and further streamed to any service that requests it.

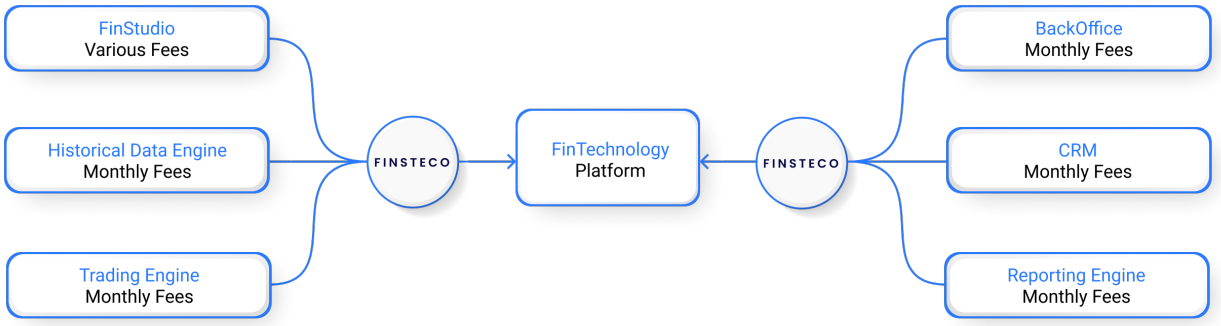
FINALGO

Yet another service of Fin Systems, FinAlgo trading, is all about autotrading. Traders can code their strategy in our online code editor and backtest it to see how it would perform on different markets and historical data. We can analyze trading strategy performance in many ways and also apply machine learning to optimize trading strategies. Strategies can be fully autotraded 24/7 on the cloud without any interference.

FINQUANTS

Lastly, FinQuants is a Fin service that applies Artificial Intelligence and Machine Learning to Financial Markets and Trading. It uses machine learning to automatically build profitable trading strategies. No programming experience or skill is required to build a fully functional automated algo strategy. Strategy quality can be analyzed using correlations, Monte Carlo, VAR, and much more. Machine learning can be further utilized to find the best optimal portfolio from populated algos.

FinSuite Fees



FinSuite is a complete turnkey solution for institutions. It is part of a comprehensive suite of products such as trading platform FinStudio, BackOffice, CRM, trading engine, reporting engine, and data server.

By purchasing FinStudio, institutional clients automatically have access to all FinSuite products. FinSuite components can also be purchased individually without purchasing trading platform FinStudio.

Anyone holding FNST token will receive discounts from all fees.

B2B FinSuite Fees

FinSuite	Fee	Frequency	Min FNST Account Balance	FNST Holding Value**	Discounted Fee
FinStudio	Various Fees	Various Frequency			
Backoffice	$1,000*	Monthly Fee	25,000	$1,000	$900
CRM	$3,000*	Monthly Fee	25,000	$1,000	$2,700
Trading Engine	$5,000*	Monthly Fee	25,000	$1,000	$4,500
Historical Data Engine	$1,000*	Min Monthly Fee	25,000	$1,000	$900
Reporting Engine	$500*	Monthly Fee	25,000	$1,000	$450

* Charged if sold separately. Free as part of FinSuite received with FinStudio

** Assuming FNST value at listing price $0.06 per 1 FNST

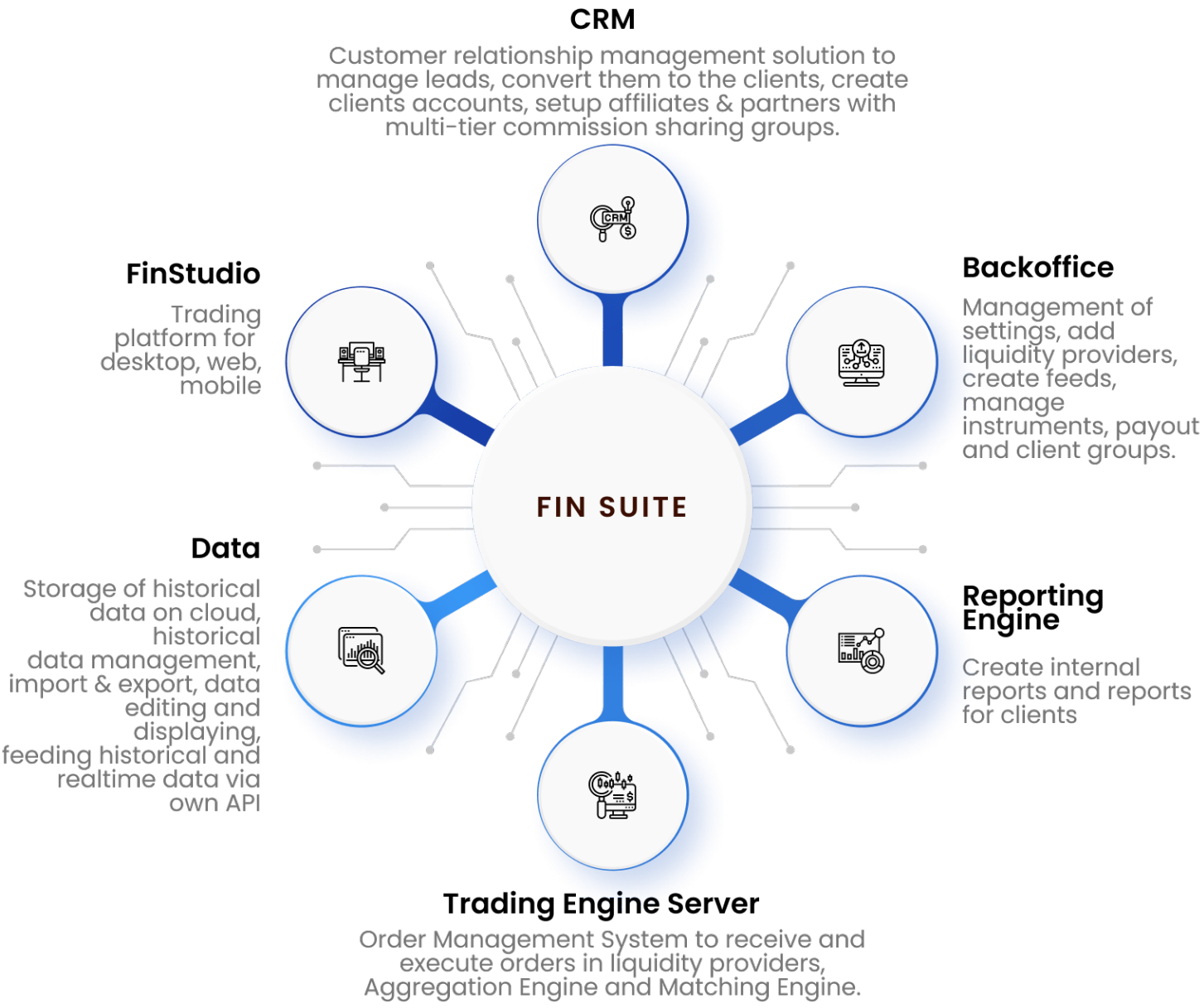
FIN STUDIO

Challenges

- 63% of retail FX market brokers use just 1 Trading Platform used in all trading on forex market dominant for over 15 years
- Many trading platforms use outdated technology far behind today's standards
- There are only two major players in the field of full turn-key trading platform solution providers on FX Market – opportunity window
- Lack of quality alternatives
- Over 800 crypto exchanges use almost the same UI – nothing innovative
- Crypto exchanges and institutions are passed the stage where crypto was introduced to newcomers. Meanwhile, a new generation of crypto traders evolved, looking for more effective and professional trading tools
- Many technologies that are standard on traditional financial markets are introduced as new to the crypto community
- Crypto community has access to only a fraction of tools and software available to traditional markets traders
- Crypto exchanges are not used to working with technology and trading platform providers
- Brokerages and exchanges need to concentrate on providing quality trading service - developing their own trading platform to build solid trading platforms is often more complicated than running their own service
- Many brokers and exchanges provide web and mobile trading platforms version only
- Web & Mobile trading platforms are suitable only for basic operations
- Trading platforms offered by most crypto exchanges provide very little functionality
- Most of the dominant trading platforms that are operating on traditional financial markets are not ready to fully support crypto

Solution

FinStudio is part of FinSuite, which offers a complete turn-key B2B solution for financial institutions providing trading services to their clients. It is also available as an independent service and partially as a B2C solution to crypto traders.



FINSTUDIO

FinStudio is a highly flexible trading platform for all types of tradable assets - cryptocurrency, forex, stocks, digital assets, NFTs, and commodities. It offers many features and is suitable for beginners, but also professional traders. The trading platform has over 40 modules covering the different needs of traders and all aspects of the trading cycle.

Traders can scan and monitor markets, use advanced charting with over 100 drawing tools, code in our own programming language FinScript and analyze portfolio performance. The platform supports no-code, fully automated strategy creation using machine learning methods. Traders can backtest, build portfolios, and autotrade.

BACKOFFICE

Backoffice is a back-office service for the administration of a trading platform and configuration of liquidity, feeds, instruments, and payout groups. Companies can add connections to different liquidity providers and build custom feeds. Backoffice fully supports adding different instruments creating custom instrument types and groups. It's also possible to create instruments specifications and configure trading parameters such as margin. Backoffice also supports the configuration of payout groups for different partners to be able to set commissions, markups, and fees.

CRM

CRM is a full customer relationship management solution. It supports users' administration from the very beginning as the user enters a system and becomes the lead. Once a live account is opened, the lead is then converted into a client. The system logs all user activity employees' communication with the client stores accepted applications and documents. CRM can be integrated with any KYC/AML solution to comply with regulations. Companies can take advantage of automated workflows; it's easy to configure automated email responses and custom procedures.

DATA

FinData is a professional historical Data Collection Service for brokers, exchanges, funds, and traders. The service allows companies to add a connection, configure feed, instruments and choose what data should be stored. Users can manage the data via a web interface. The data can be imported, edited, exported, and filtered as

needed. It also includes a statistical module to measure data flow and distribution. Service is capable of feeding historical and real-time data via its own API to any required source.

REPORTING ENGINE

Reporting engine handles all kinds of reports. These can be either internal company reports or reports for clients. The system is able to produce trading statements, trading performance statistics reports, volume and commission reports, margin call reports, account and partners reports, and more.

TRADING ENGINE

Trading Engine is a full trading engine solution including all crucial components. Key parts are- Order Management System, Aggregation Engine, Order Book, and Matching Engine. Orders requests are placed to Order Queue Manager and then sent to Pre-Trade Risk Management Engine. After passing through risk filters, the order is created, and it’s sent to the Order Router. Matching Engine further matches the order with available liquidity in the Order Book. Order book liquidity is created by an aggregation engine that aggregates liquidity from various liquidity providers.

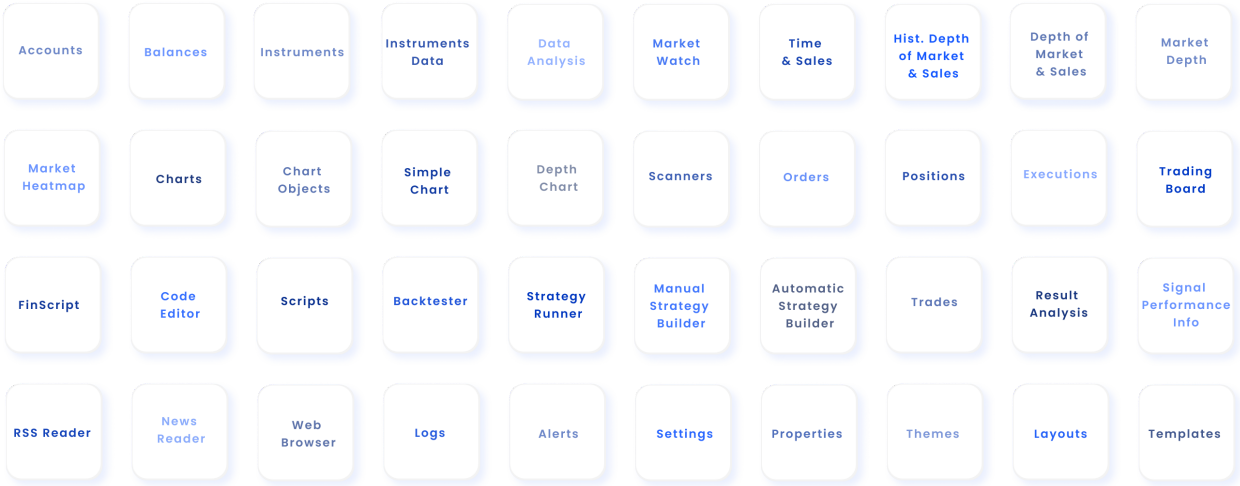
FinStudio

Is an innovative trading platform with advanced functionality suitable for all types of traders. The platform supports multiple markets and multiple instruments, so it's an ideal choice for any provider type, whether it's broker, fund, or exchange. Furthermore, the platform is offered to all crypto traders as a B2C solution.

The main features of the FinStudio trading platform are agglomerated into several groups:

- Accounts & Connection Management
- Data Management & Analysis
- Price Monitoring
- Charting
- Trading
- Scanners
- Builders
- Autotrading
- FinScript
- Trade Analysis
- Media Feeds
- Logs

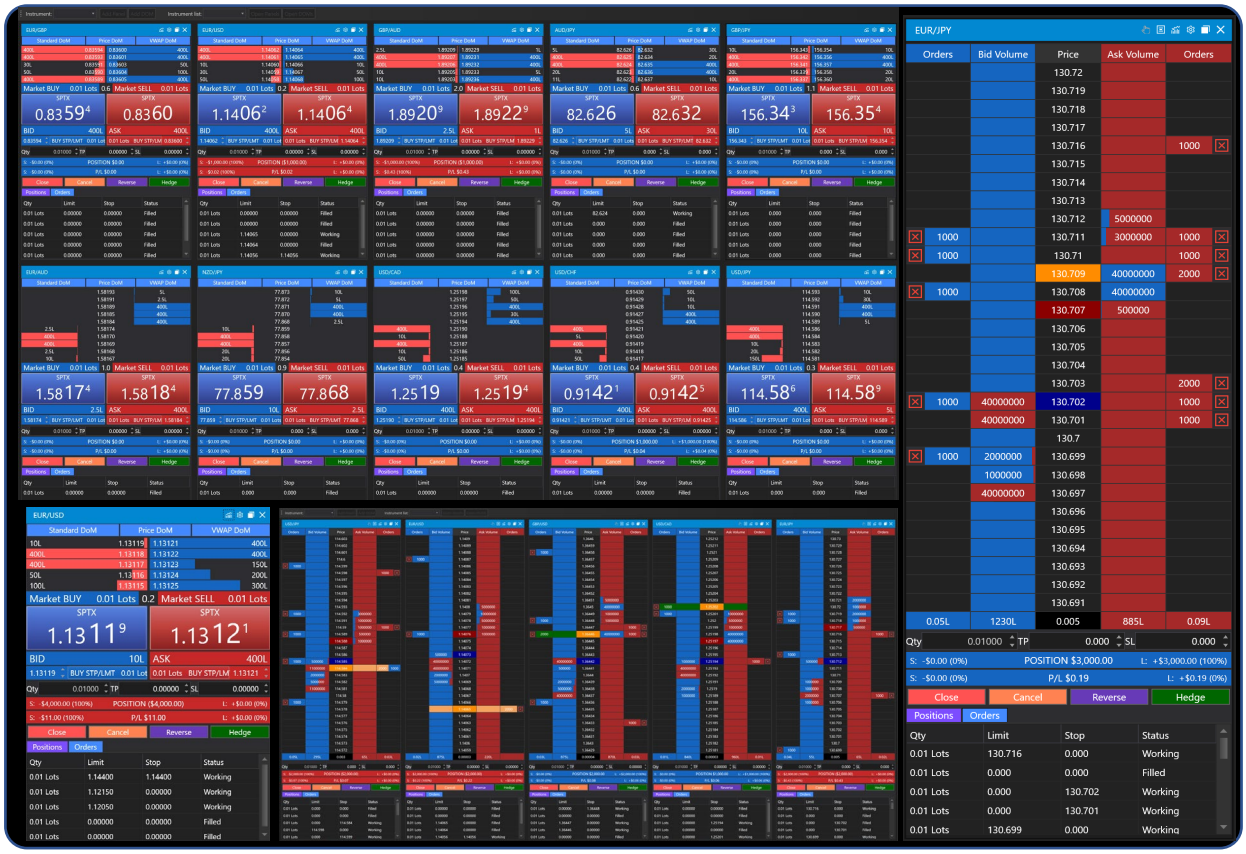
Each category contains modules; in total, FinStudio offers more than 40 application modules with advanced functionality.



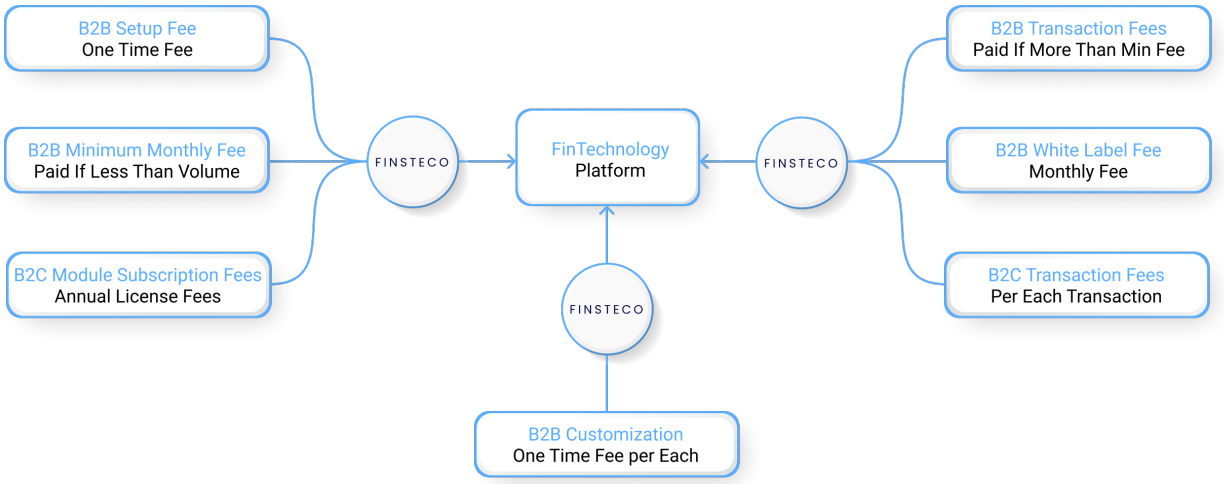
It's beyond the scope of this document to go over the functionality of each module; documentation is expected to be over 400 - 500 pages. All modules are developed already, FinStudio will be launched soon. Fin Systems is working on creating documentation for all the features that took almost 6 years to develop; the website will be gradually updated - work in progress. For simplicity, there is a Showroom part of the website with pictures and videos showing some trading platform functionality. Also, please check our FinStudio presentation.

FIN STUDIO

Some Pictures



Fees



FinStudio is a multi-asset, multi-market, multi-instrument trading platform for brokers, banks, funds, and exchanges. It is offered in institutional form as a B2B solution and as a B2C solution available only to crypto clients. FinStudio is sold to institutions that further provide it to their clients, often under White Label. Crypto traders may use FinStudio directly; they just pay transaction fees.

B2B – One Time & Subscription Based Fees

B2B Fees for FinStudio	Fee	Frequency	Min FNST Account Balance	FNST Holding Value	Discounted Fee
*Minimum B2B Monthly Fee**	$5,000	Monthly Fee	250,000	$15,000	$4,500
FinStudio Setup Fee	$15,000	One Time Fee	250,000	$15,000	$13,500
FinStudio Customization	$20,000	Starting Fee	250,000	$15,000	$18,000
White Label	$5,000	Monthly Fee	250,000	$15,000	$4,500

* If the total monthly volume exceeds Tier 1 level, then charged by Volume Tier Fees

Setup Fee

FinStudio will charge a one-time setup fee to institutions to connect the application to their feed and customize the platform to work under a specific provider environment.

White Label Fee

Institutions can offer FinStudio under their “label.” This means that a company uses and brands it as its software.

Customization Fee

Some institutions may request to modify or add functionality to FinStudio. This will require a feature planning process and implementation by our internal team of engineers.

Minimum B2B Monthly Fee

We have a minimum fee that the institution has to pay each month. The institutions that don't make enough volume to meet even the first tier model will pay this minimum monthly fee.

B2B/B2C – Per Transaction Fees

The primary source of revenue for FinStudio is transaction fees. FinStudio charges the fee for each trade placed thru FinStudio. FinStudio is offered only to institutions on traditional markets such as FX, Futures, or CFD's. On cryptocurrency markets, it's provided as both – B2B, but also B2C solution where it's also sold directly to the end-users. We are using different transaction fees for the type of market.

B2B Clients - Transaction Fees & Volume Discounts for FX, Futures, CFD's Markets

The transaction fee is based on the institution's total monthly volume and the total amount of FNST it holds. We assess the appropriate tier where the institution classifies according to volume and amount of held tokens. By total monthly volume, we mean total standard contracts traded. 1 contract/lot = $100,000 transaction. The fee is charged in dollars per 1 contract.

	$ Fee	Min Volume p/M	Min Revenue p/M	Min FNST Balance	FNST Holding Value	Min Fee p/M & FNST Holding	Min Revenue p/M & FNST Holding
Volume Tier 1	0.5	10,000	$5,000	5,000,000	$300,000	0.45	$4,500
Volume Tier 2	0.45	50,000	$22,500	10,000,000	$600,000	0.4	$20,000
Volume Tier 3	0.4	200,000	$80,000	15,000,000	$900,000	0.35	$70,000
Volume Tier 4	0.35	500,000	$175,000	20,000,000	$1,200,000	0.3	$150,000
Volume Tier 5	0.3	750,000	$225,000	25,000,000	$1,500,000	0.25	$187,500
Volume Tier 6	0.25	1,000,000	$250,000	30,000,000	$1,800,000	0.2	$200,000
Volume Tier 7	0.2	2,500,000	$500,000	35,000,000	$2,100,000	0.15	$375,000
Volume Tier 8	0.15	5,000,000	$750,000	40,000,000	$2,400,000	0.1	$500,000
Volume Tier 9	0.1	10,000,000	$1,000,000	45,000,000	$2,700,000	0.07	$700,000
Volume Tier 10	0.05	25,000,000	$1,250,000	50,000,000	$3,000,000	0.04	$1,000,000

B2B/B2C Clients Transaction Fees & Volume Discounts for Cryptocurrency Markets

For crypto markets, we use a percentage fee. This is the percentage of transaction value charged the same way crypto exchanges do. We must note all payments are charged in FNST! Users will have to purchase FNST to trade crypto via FinStudio.

	% Fee	Min Volume p/M	Min Revenue p/M	Min FNST Balance	FNST Holding Value	Min Fee p/M & FNST Holding	Min Revenue p/M & FNST Holding
Volume Tier 1	0.05	1	0	10,000	$600	0.045	$0.05
Volume Tier 2	0.045	500,000	22,500	25,000	$1,500	0.04	$20,000.00
Volume Tier 3	0.04	1,000,000	40,000	50,000	$3,000	0.035	$35,000.00
Volume Tier 4	0.035	5,000,000	175,000	100,000	$6,000	0.03	$150,000.00
Volume Tier 5	0.03	25,000,000	750,000	500,000	$30,000	0.025	$625,000.00
Volume Tier 6	0.025	50,000,000	1,250,000	1,000,000	$60,000	0.02	$1,000,000.00
Volume Tier 7	0.02	100,000,000	2,000,000	2,500,000	$150,000	0.015	$1,500,000.00
Volume Tier 8	0.015	500,000,000	7,500,000	5,000,000	$300,000	0.01	$5,000,000.00
Volume Tier 9	0.01	1,000,000,000	10,000,000	10,000,000	$600,000	0.007	$7,000,000.00
Volume Tier 10	0.005	2,500,000,000	12,500,000	20,000,000	$1,200,000	0.004	$10,000,000.00

B2C - Modules Subscription Fees

Some modules of FinStudio will not be available for free. As the platform is based on transaction fees, users could use all its advanced features for free except trading. We decided to give access to the most valuable modules of FinStudio for a subscription fee. The users will have to pay yearly subscription fees to access the modules. We will not allow monthly subscription fees for these modules. These fees are charged to the end-users of FinStudio.

B2C Modules Subscription Fees	$ Fee	Frequency	Min FNST Balance	FNST Holding Value	Discounted Fee
Manual Strategy Builder	$200	Per Year	10,000	$600	$180
Automated Strategy Builder	$500	Per Year	10,000	$600	$450
Optimal Portfolio Builder	$400	Per Year	10,000	$600	$360

FinStudio & Blockchain

DeFI, dAPPS & DEX

FinStudio is built to be able to connect to any market and handle any type of instruments. Similarly as we handled traditional markets, we will now concentrate more on crypto market and integrate the best from blockchain and cryptocurrencies industry.

FinStudio is able to connect to any provider whether it's futures & commodities broker, stocks & equities broker, currency & FX broker, asset management company, bank, pension fund or crypto exchange. Traditional market providers use industry standards and utilize many different protocols and API's so users can connect to them and trade.

Common Connection Protocols:

FIX – Developed in 1992 and widely used by both the buy side (institutions) as well as the sell side (brokers/dealers) of the financial markets. Used by Bloomberg, J.P.Morgan, CME, CITY, HSBC, Morgan Stanley, Goldman Sachs, Nomura, Barclays, UBS, Fidelity and almost by all financial institutions. Couple crypto exchanges support FIX also.

FAST – Upgraded version of FIX, it is used to support high-throughput, low latency data communications between financial institutions. Used by NYSE, CME Group, ISE, Nasdaq, Eurex, Xetra, Bombay Stock Exchange, BATS, ICAP, OPRA, MOEX, SSE etc..

ITCH - Widely employed for dissemination of full-depth, order-level market data with near real-time latency characteristics. Many exchanges such as NASDAQ, JSE/NSX, LSE, Borsa Italiana, Turquoise and Oslo Børs have adapted the use of ITCH.

Common API's:

Websockets

REST API

dApps & DeFi Protocols

As we are able to utilize any of the protocols above covering connections to multiple markets and providers, we want to do the same for cryptocurrency markets. Besides integrating exchanges via their APIs, we want to offer the latest developments of the blockchain industry and make them accessible in our trading applications. We will be integrating different blockchain dApps and protocols to support various functionality these dApps and protocols offer. By integrating these dApps and protocols into our trading platform we will achieve a unique trading environment for all cryptocurrency users. Users will be able to purchase cryptocurrencies with Fiat and credit card, trade on centralized and decentralized exchanges, take advantage of liquidity aggregation, use different custody options and be able to lend and borrow.

Funds Custody

Crypto community has always been split between hardcore crypto users who despise any form of centralization and users who don't mind centralized solutions from 3rd party. Each has its advantages and disadvantages. CEX is simple to use, has everything that the user needs, is reliable, filters criminals, and has quite large liquidity. On the other hand, users have to rely on the exchange, store their funds on the exchange, and often tolerate practices such as manipulation or the possibility of internal failure and security breach.

	Centralized	Decentralized
Pros	User-friendly	No Hack Risk
	Reliable	Anonymous
	Liquidity	No Market Manipulation
	Regulated (KYC & AML)	Unregulated (No KYC & AML)
Con	Risk of Hack	Liquidity
	Manipulation	Not as Simple
	Custody	No Fiat Currencies
	System Fail and Disconnects	Rug Pull
	Flash Crash	Loss of Hardware Wallet / Seed

Compromise for both user types:

- custody solution by centralized exchanges
- deposit-less non-custodial trading

Custody Solution by Centralized Exchanges

Users can choose to trade on any connected centralized exchange. They have to open the account on the exchange, deposit funds, and create API keys. Users can login to the exchange via the secret keys.

Deposit-less non-custodial DEX trading

To trade on some exchange user has to deposit funds on the exchange to be able to execute the trade. To prevent this we will utilize several protocols so users can place a trade on the exchange, but don't have to create an account on the exchange, go thru the KYC & AML process, and deposit funds. Users can purchase cryptocurrencies and place them directly into the wallet of their choice.

Wallet Management

Users can load balances of their accounts and wallets from centralized exchanges. After entering private keys, the user is able to fully connect to any centralized exchange account and wallet.

FinStudio will also support many popular crypto wallets. Users can connect their wallets to FinStudio and trade directly from the wallet. FinStudio will therefore allow decentralized non-custodial trading without users having to deposit their funds with 3rd party.

We will gradually increase the number of wallets we support, for now, we will work with the following wallets:

Software Wallets

Metamask, Exodus, Mycelium, Cobo, WalletConnect, TronLink, Phantom

Hardware Wallets

Ledger, Trezor

Merged Wallet

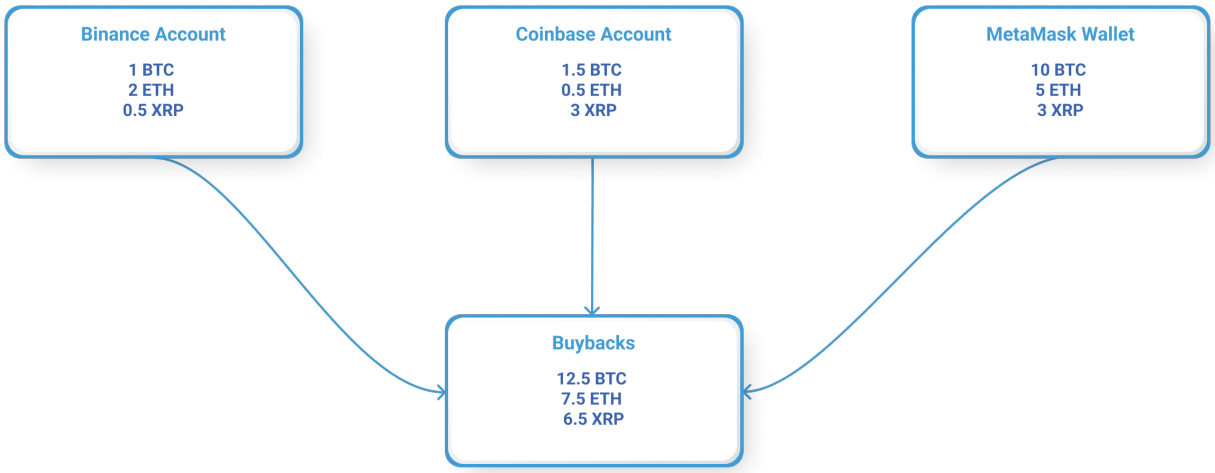
With Merged Wallet users are able to merge different crypto wallets into one and create a virtual wallet.

With our proposed solution, users will be able to trade on different centralized and decentralized exchanges. If user uses our internal aggregation engine, they will be able to place different orders to different exchanges. In order to do this, the user

needs to have an active account with each exchange. To be able to execute the trade on each exchange, users need to have funds and cryptocurrencies deposited on each exchange. If users use too many exchanges, it gets more and more complicated to manage them all and also monitor the net status of the wallets.

FinStudio is capable to create a virtual wallet that will create a merged wallet with merged values of all assets contained in all wallets. Users can have multiple wallets connected and monitor the net position and p/l of all connected wallets. Besides position monitoring, users can use our portfolio monitoring tools and analyze portfolio performance.

It is possible to create a virtual wallet from both – centralized exchange wallets and also the user's own wallets used by decentralized wallets.



We must note, the funds stay on each account or wallet. They are not physically moved into the virtual wallet. The virtual wallet only serves as aggregator allowing to view wallets under one.

Liquidity Aggregation

- direct trading platform integration
- deep liquidity pool with the best top of the book price and large liquidity available on all levels
- full transparency without feed and price manipulation
- large selection of available instruments available at one place

FinStudio Integration

As a trading platform provider, we plan to do a lot of integrations and give users the best from both - centralized and decentralized worlds bridging the crypto community via our trading platform FinStudio.

Connection to Exchanges

We plan to connect to the strongest centralized and decentralized crypto exchanges. Users who are trading via any of these exchanges are able to connect to any of them and trade via a single trading interface on desktop, web, and mobile.

As we will be connected to the multiple exchanges, we will aggregate the liquidity from both - centralized and decentralized exchanges. This will create a deep pool of almost unlimited liquidity. The higher liquidity the better for traders. Aggregating different providers leads to the best top-of-the-book prices - best bid and best ask with the tightest spread possible.

Transparency

The aggregation process is fully transparent, in our Order Book traders can clearly see what providers the quotes and orders are coming from. This prevents price manipulation and hidden spread markups. Traders get a pure raw spread - the best it's possible to get without any price manipulations. If a trader is using a single provider, there is no way to see what that provider is doing internally, often spreads are increased for higher profits, and the price is manipulated. With our liquidity, aggregating solution traders will get a more realistic view of the market.

If we connect exchanges centralized and decentralized crypto trading volume, we will create a unique transparent network of providers and get a better idea about price and volume dynamics while having the best possible trading conditions and flawless order execution without excessive slippage paying less fees.

Immense Marketplace

By connecting multiple exchanges we will not only gain access to better liquidity and pricing but also automatic access to thousands of financial instruments. This also opens unlimited options to create synthetic instruments, pools, and other derivatives.

Aggregator of Aggregators

By integrating different protocols and exchanges that already aggregate volume we will already have access to a lot of liquidity. On top of that FinStudio will create a universal aggregation engine that will aggregate liquidity from centralized and decentralized exchanges and match user orders with the available liquidity.

Smart Order Routing System

Our system will monitor the balances of each asset in each wallet. As we will aggregate liquidity from different venues, we also need to have funds on each exchange so we are able to place orders on the exchange.

As the aggregation engine will aggregate the volume from different exchanges, the best bid or the best ask can come from any of the connected exchanges. Our system needs to know the balance of each asset on each exchange to evaluate whether it's possible to execute the requested volume size on the exchange and fully fill the order at the requested price. User will set tolerated slippage and our system will execute the order fully at one exchange with the best price. In case the balance is insufficient to fully execute the order at one exchange or the order is too big to be executed at one exchange, our system will fill the order partially and try to fully execute it at different exchanges.

Universal Aggregator

Universal Aggregator is an app integrating with several DEX aggregators and decentralized limit order protocols to allow its users to trade ETH / MATIC / BNB and ERC20 / BEP20 tokens using all liquidity sources available through those protocols.

Ultimately, this project aims to combine a custom DEX aggregation protocol with a decentralized lending protocol to enable margin trading capabilities across the widest possible array of decentralized exchanges in Solana, Tron, Ethereum and several EVM-based blockchains and L2 networks.

The development process will occur in several stages, with the MVP stage focusing on DEX aggregation. In order to demonstrate the proof of concept, the MVP would combine 1inch and 0x DEX aggregation protocols, allowing the users to make swaps and place limit orders.

Since different DEX aggregator protocols may have non-overlapping liquidity sources, a part of a market order might be filled through protocol A at a price lower than the price available for filling that whole order through protocol B — even

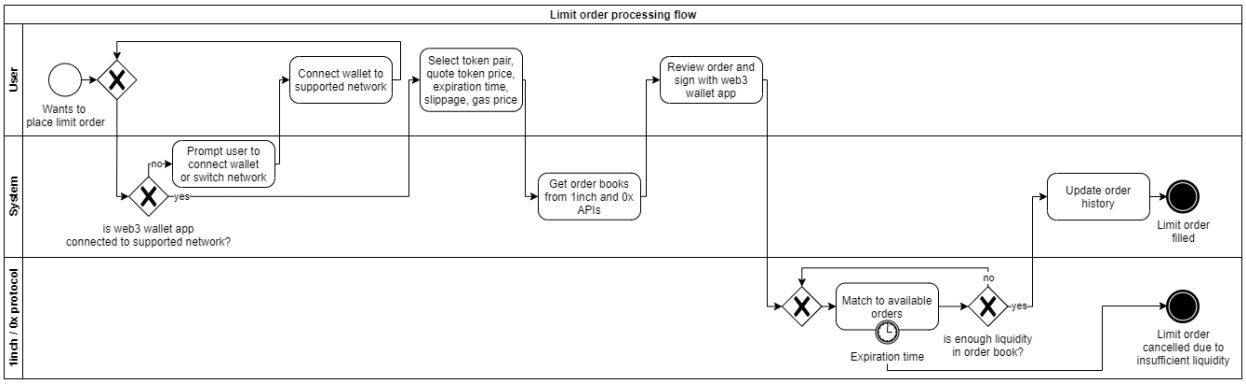
though the overall protocol B price might be lower than the overall protocol A price for the whole order.

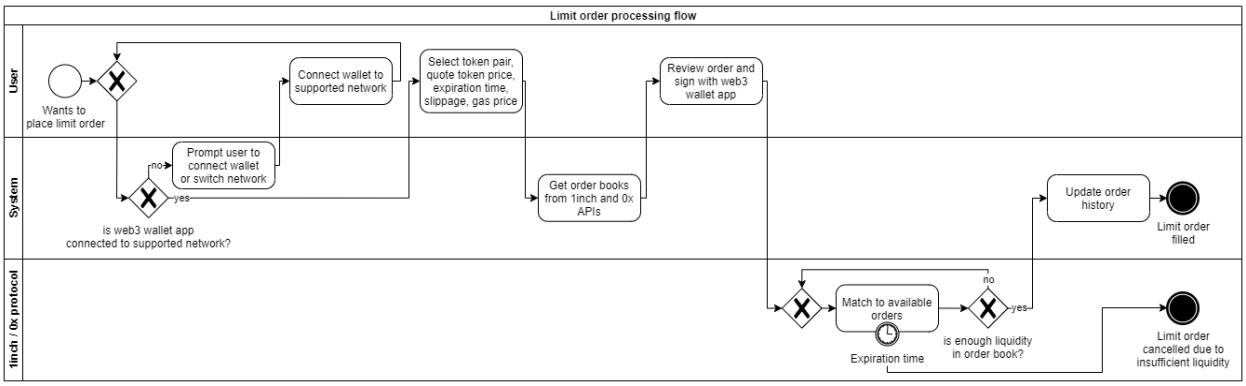
Thus, by splitting the initial order into two or more orders to be filled through different aggregation protocols, the overall execution price might be lowered compared to filling the orders in whole through a single protocol.

Calculating the optimal swap route must take into account the volume of liquidity available in each liquidity pool and the projected price impact of that swap, as well as the increased gas costs when filling an order in several swaps.

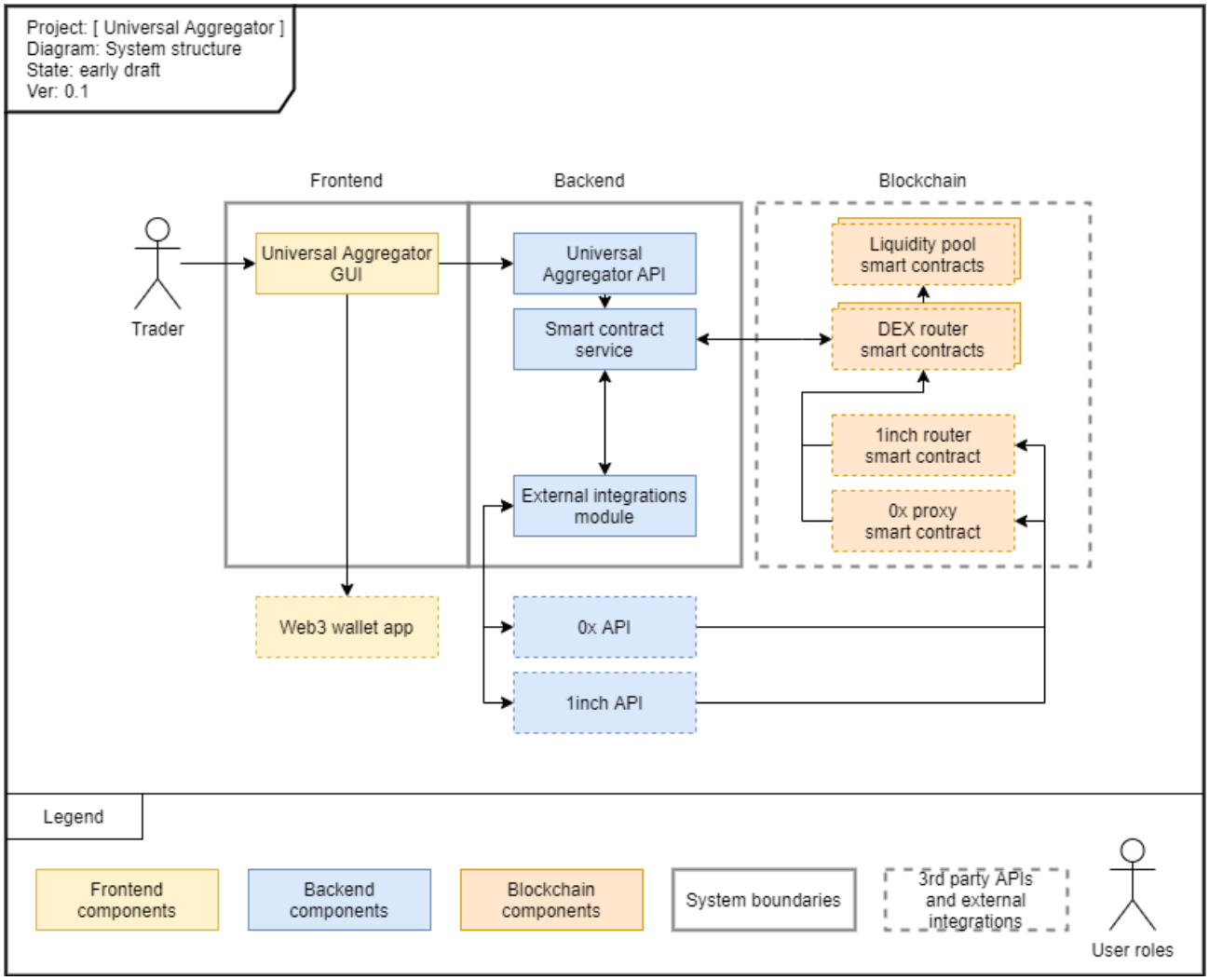
Once we have a working solution working using 1inch and 0x protocols we will move on to integration of other DEX liquidity aggregation protocols such as Paraswap, OpenOcean, and more.

Order processing diagrams





System structure diagram



Facts

- FinStudio will run on domain fin.studio
- In development over 5 years
- FinStudio has over 3 million lines of source code
- Over 60 people worked so far on FinStudio
- We tried to maintain the highest coding standards; our code has AAA code quality
- We use sustainable technologies
- FinStudio is almost ready!


FIN SOCIALLY

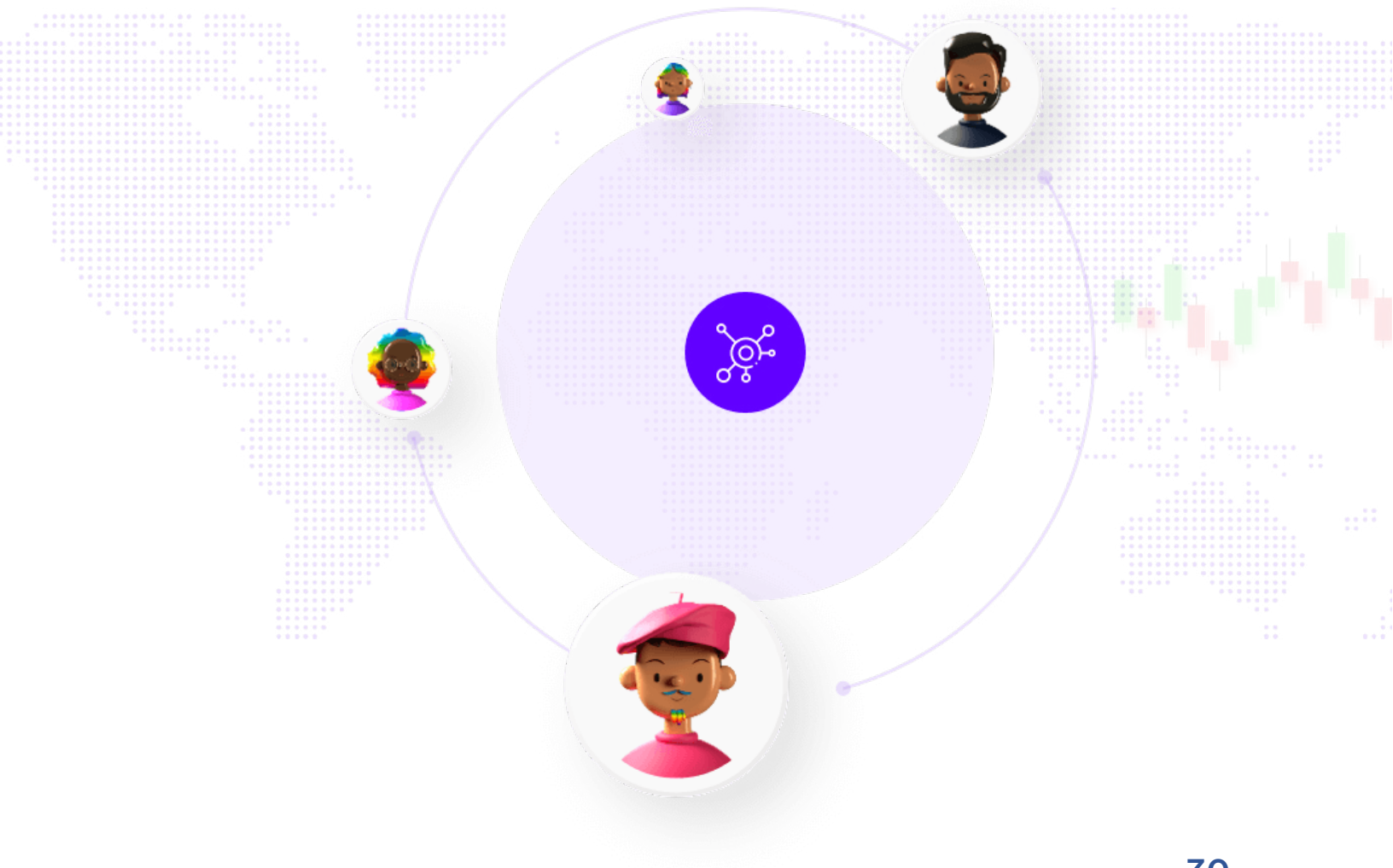
Challenges

- Social Network concept didn't change much over the past 10 years – still mostly just messages and replies
- Too many trading communities spread over commonly known social networks (Facebook, Twitter, Reddit) and forums
- Traditional social networks are not suitable for the trading community – no support for charts, no trading content.
- No trading-oriented social community platform covering whole financial markets segmented according to asset classes
- No social community platform that would merge social networking, trading, and commerce aspect
- Social Networks are still perceived as sharing tool and allow commercialization mostly to businesses
- There is no social community platform that would merge social network and commercial concept, providing users the tools to communicate collaborate, but also provide service without having to invest in business development tools
- Social network concept in trading is mainly associated with copy trading as there was no innovative concept of social network oriented to trading utilizing an exchange of services between the users
- Most web-based trading services still use trading charts from one source – Tradingview

Solution

FinSocially is a new trading–oriented community solution that approaches social media differently. Users can participate in discussions and take advantage of various services but also commercialize their ideas and skills. Individual services are interconnected, and together they make a unique and not yet seen community system.

Users can use any services offered on FinSocially, but they can also become providers. To be a provider, users need to register, and Fin Systems has to approve the application. Once a trader has been approved as a Provider, they receive a suite of tools that allow them to benefit from their status as a Provider.



CHARTING

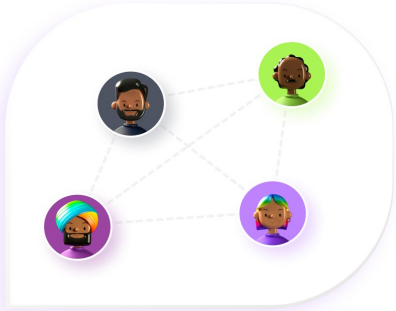
Super-fast online trading charts using WebAssembly allow running C++ rendering engine in the browser. Instead of using Tradingview charts, Fin Systems is creating its own implementation that will be faster, include more features, and introduce some new features such as real-time chart sharing and collaboration. It will be possible to integrate these charts across the whole solution.

CODE MARKET

The market for users to buy and sell add-ons and extensions for FinStudio and FinScript. These are indicators, automated trading algo strategies, money management methods, entry and exit strategies, and additional modules.

Code Market will support other programming languages and trading software. This provides developers and providers an additional opportunity for listing code they have already developed successfully for different platforms, extending their ability to receive income in the Fin platform.

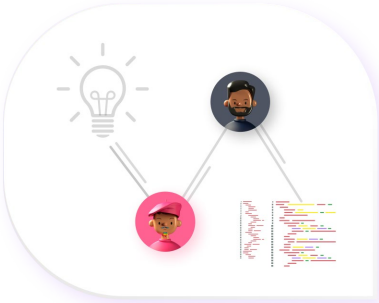
SOCIAL NETWORK



Social network-oriented at trading with much more functionality than traditional social networks. It allows to create its own community within the community, allow private sessions with chart sharing and audio/ video support.

The social network functions similar to networks such as Facebook, where users can post and share their information. Users can add friends, like posts, and create groups. The discussions will be trading-oriented and allow users to share their trading ideas, trading charts, and recommendations.

FREELANCING



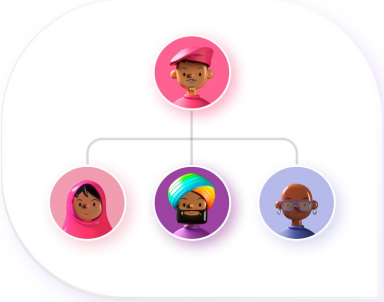
A place to hire programmers and also offer your own coding skills. Members can hire coders to make their trading ideas a reality and conceptualize them into working code. The objective is to create a database of trading software programmers and a job marketplace. Traders can post jobs to program a trading idea, and programmers can apply for the job. The trader will choose the programmer that has the most rated profile. Fin Systems will provide a system to protect both programmers and job creators. Before a job is started, tokens are stored in FinSystems deposit and only released when the developer presents a fully functional version.

COURSES AND EDUCATION

Educators can provide different types of educational services to traders and users on the system. The most common type of learning will be teaching about trading and algo trading, but the system will also provide options for any kind of learning that educators want to provide. Topics such as new financial vehicles and asset classes, programming the trading platform itself, and developing a financial services model are topics that may be of interest and that any educator can offer.

Education can be in the form of formal courses, private mentoring, Q&A sessions, live streaming trading, and interactive sessions. The Learning Management system includes a Course Builder, which allows the educator to create static content, live sessions, reading materials, tests, certifications, etc. Educators create their own curricula and pricing models and offer the courses.

SOCIAL TRADING



Traders can share their trading, and users can subscribe and have their trades copied to their account or wallet automatically by our system. Traders who want to share their trades and let others follow them will have to follow a due diligence process to prevent bad traders or high-risk behaviors on the platform. The vetting process includes:

Provider Types

PRIVATE GROUP PROVIDERS

Users can create different types of paid private groups for traders, users, freelancers, or anyone on the platform. Private groups are offered on a subscription basis, and the cost of using the feature depends on the size and services provided to the groups. Private group providers may also be marketing professionals that help traders build an audience in their groups.

MARKET PROVIDERS

Development companies that develop add-ons, scripts, and codes for any platform. The platform will create a marketplace for off-the-shelf scripts and plugins, as well as the ability to connect directly to the vendor for customization of those packages.

CODE FREELANCING PROVIDER

Code developers of any type of plugin for any trading platform can join the Fin marketplace. The marketplace supports a wide range of different coding languages, so coders will be able to present their skills and past work, and hiring employers can find a wide range of coders with the appropriate financial systems development experience.

COURSE PROVIDERS

Educators on financial topics, algo trading, or coding for financial systems can develop courses and provide them on the course marketplace.

EDUCATOR

In the world of trading, there are millions of newcomers, and as we know from statistics, most of them fail. Those who decide to continue reach out to education providers to learn more about trading. There is a lot of educators missing the right tools. The Learning Management System provides educators with a tool for building their offerings. Educators can create live trading sessions, formal classes, live trading sessions and demos, real-time trading streaming, group analysis, etc. The live streaming app will have a wide range of features that allow streaming, interactions, display of charts, questions, and answers, etc. Educators have the

ability to create a variety of different educational opportunities and set up the terms and pricing for their own courses, and display the services on the freelance marketplace.

SIGNAL PROVIDER

Traders can sell signals from their trading strategies and offer trade copying. As described in the FinSocially section, Certified providers can use the provider dashboard to sell their signals and trade copying services on the freelance marketplaces. Different types of fee and management models can be offered in the marketplace. All trades must take place on the Fin trading platform.

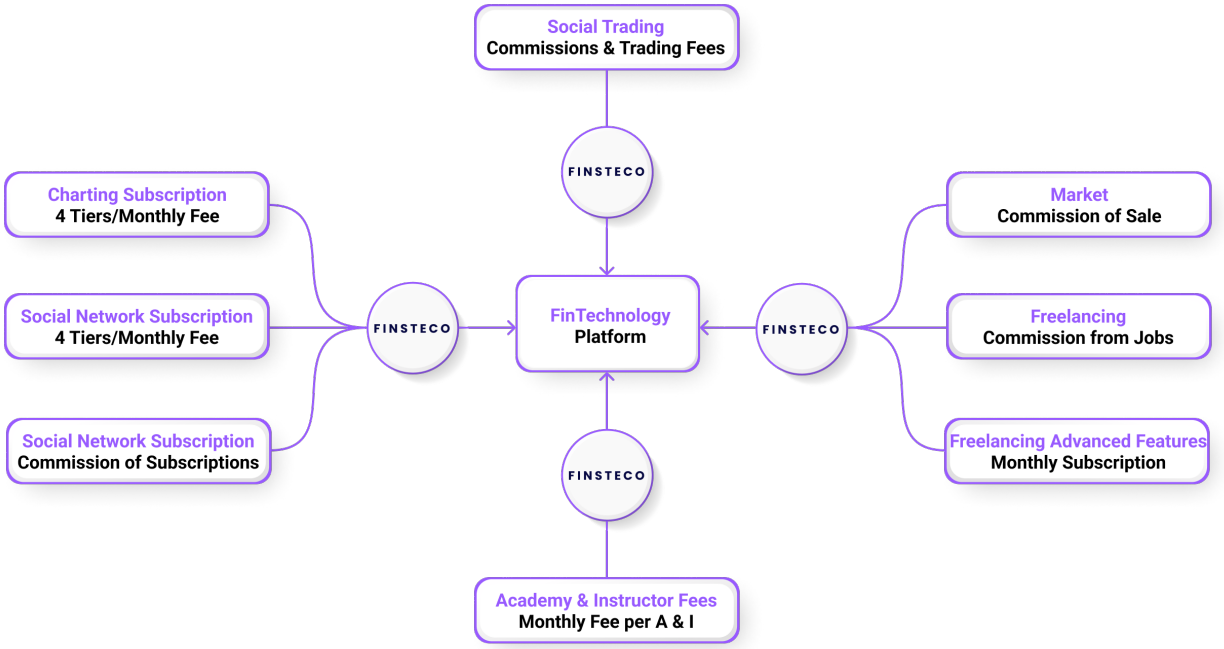
Public & Private Channels

FinSocially will include public and private channels. Public channels and groups are available to all subscribing members of the platform. The public channels and posts from those channels show up in feeds and searches.

Any participant can create private channels on the platform. Private channels are based on invitation or approval, and posts on those channels can only be seen by group members. The channel provider determines the criteria for entering a private group. The criteria may be based on membership payment or other criteria.

Private Channels offer more features than public channels. Private channels can be used for purposes such as online trading sessions, webinars, mentoring, education, trading schools, trading in groups with friends, professional traders sharing their trading with subscribers, presentations, etc. To create a paid private channel, users need to register as the Provider and go through the normal vetting process. This approval process will eliminate the creation of collusion in private groups.

Fees



FinSocially is a social platform with many features traders can use to socialize and commercialize their skills and ideas. FinSocially consists of Charting, Social Network, Market, Freelancing, Education, Social Trading. Each part has its unique features and uses several different payment models. We must note that all products and services on FinSocially will initially have to be purchased with our FNST. For the first years, FNST is the only accepted currency on FinSocially. We will provide reference prices to Fiat currencies for faster orientation. Later on, we will allow payment with fiat as well, the first years, we want to support our token sale and help reduce tokens in circulation. Part of the tokens received from the sale of our products will be locked, part will be burned.

Charting

We are not using charts from Tradingview; instead, we are using a proprietary charting library allowing us to run a C++ rendering engine in the browser via Webassembly. We are building our own charting module with more functions than we traditionally know from standard charting services available today.

Charts have four tiers based on available functionality on each level. The first tier is free and offers minor functionality. The second tier is still accessible but available only to registered users. Third and Fourth are paid tiers, whereas the third one allows all functionality except trading capability, which is only available in the 4th tier.

Charting	Free	Tier 1	Tier 2	Tier 3
Cost per Month	Free	Registered	$10	$20

We are setting the fee for the charts to a low rate as we want charts to be used by millions of traders. If users buy a third tier, which also enables trading functionality, the users will still have to pay FinStudio trading transaction fees.

Social Network

Our social network implementation is much different from a traditional social network. This social network is oriented toward trading. Users can post to theirs, and other users' walls view posts. We support rich text editor, post-filtering (by date, tag), and different posts views. Posts fully support the embedding of video or pictures. What is new is that our posts also allow attaching a live chart to the post. Traders can also record their voices and attach commentary to the specific chart.

FinSocially offers an improved concept of groups where users can create a group and invite users to join groups. Group providers can charge a subscription fee to the group members. FinSystems will take 10% of each subscription fee paid to the group owner. Group creators can choose between 3 paid tiers based on the functionality they want to have. Free tier still offers most of the functions such as audio/video conferencing with screen sharing, audio/video charts sharing, trading journal, but is limited only to 10 users. It can still be used, f.e. by friends who can be on an online call with their friends and discuss trading and charts. Users will have to pay for live chart collaboration or remote control. The second paid tier offers live streaming sessions and a history of recorded sessions available to the group members. Only a third paid tier allows group owners to charge the group membership fee to group members and add banners to promote their service. This can be useful to signal providers, educators, mentors, online lessons, and more. Private Group providers can charge a separate subscription fee for membership in the group. FinSocially charges each private group provider a setup and subscription fee to leverage its service. These providers can then set their own subscription fees for their members.

Social Network	Free	Tier 1	Tier 2	Tier 3
Cost per Month	Free	$30	$70	$120
Maximum Participants	10	50	250	500
Group Session Length	60 minutes	4 hours	8 hours	24 hours
One-to-one Session Length	120 minutes	8 hours	12 hours	24 hours
Screen, Audio & Video Recording	Local	Local & 1 GB Cloud	Local & 2 GB Cloud	Local & Unlimited
Filesharing	10 MB's	100 MB's	500 MB's	2 GB's

We charge a fee of 10% from each subscriber that subscribes to the group.

Market

A market is a place where developers can sell their addons for FinStudio. These can be indicators, automated trading strategies, money management position sizing methods, entry and exit methods. Developers can register as sellers and submit a product for approval. Once the product is approved, it can be listed on the market. The seller can manage all products edit or remove the products from the market. Here we will charge 10% to the seller for each item sold to buyers.

As of now, we only plan to support addons for FinStudio. To increase the revenue, we also plan to support 3rd party trading platforms. Addon cost can be anywhere from $10 to tens of thousands for advanced trading strategies.

Code Market	Fee	
Product Listing	5	% of product value
Product Sale	10	% of product value

Freelancing

Traders who don’t know how to code can hire freelancers to program their trading ideas. Freelancers can offer their programming skills for sale and apply for jobs posted by members. Freelancing is not limited to programming; users can post any job related to finance.

Users can also register as companies and hire multiple talents to perform even full-time jobs based on the contract. The job can be tracked and monitored with our utility recording freelancers’ work in the form of screenshots taken every 15 minutes and measuring keyboard & mouse activity. This way assigner always knows what freelancers work on.

The job can be paid by the hour or as a fixed price paid at once or in multiple tranches. Users can opt-in to use escrow service based on a blockchain smart contract. This is a multi-step procedure where the buyer deposits funds, and the freelancer must present a working solution before funds can be released.

There is also a dashboard and reporting. To get more advanced reporting or hire more than one freelancer simultaneously, users will have to upgrade and buy paid subscription of $50 per month. FinSystems charges 5% for each completed job (e.g., 5% of 1 hour of work value or 5% of fixed price project value).

Freelancing	Free	Tier 1
Cost	Free	$50
Successful Job Completion	5	% of Total Job Value

Education

Our education solution provides all tools to manage education. Users can register as individual providers and sell online courses, live training, and mentoring sessions, and one-on-one live chart learning sessions. Users can also register as the academy and hire instructors. The provider has to pay a monthly fee of $150 per academy and $50 per instructor to work at the academy. Individual or academy providers will pay 10% of each sold course value. Academy can take advantage of revenue sharing to share income from sold courses and lessons between instructors.

Providers are given all tools necessary to operate. There is an advanced course builder to create their courses directly on the FinSocially site. Instructors can also build custom tests and homework assignments that students can enroll in and are automatically graded. Certificates are issued upon successful completion; they can also be fully customized. Teachers can build a complete course with multiple lessons and content such as audio, video, charts. The system is compatible with SCORM, allowing importing ready courses from any SCORM-based external source.

Education	Fee	
Register As Individual	Free	
Register As Academy	$150	Monthly Fee
Register As Instructor for the Academy	$50	Monthly Fee For Each Instructor
Course Listing	5	% of Course Value
Course Sale	10	% of Course Value

Social Trading

Social trading allows traders to share their trades with other traders to copy their trades to their accounts or wallets. Providers can list their trading performance so traders can find the most suitable provider for them. Traders can then copy the trading strategy and autotrade it. Besides trade copying, traders can utilize other popular approaches such as PAMM/LAMM/MAMM.

Providers can set and charge many different industry-standard fees such as Performance, Management, Subscription, and Transaction Fee. The performance fee is the percentage of the total profit made on the account or wallet. The management fee is charged each month or per year and is a certain percentage of total assets under management. The subscription fee is a flat rate charged every month. All trading is done via FinStudio, so standard FinStudio transaction fees apply here.

Social Trading	Fee	
Transaction Fee		FinStudio per Transaction Fees
Subscription Fee	10	% of Each Subscriber Fee
Performance Fee	10	% of Total Charged Performance Fee
Management Fee	10	% of Total Charged Performance Fee

We will conduct a screening process to avoid scammers and ensure only successful traders can be copied. FinSystems takes 10% of all fees charged by social trading providers to their clients.

Facts

The web will run on finsocially.com

FIN ALGO

Challenges

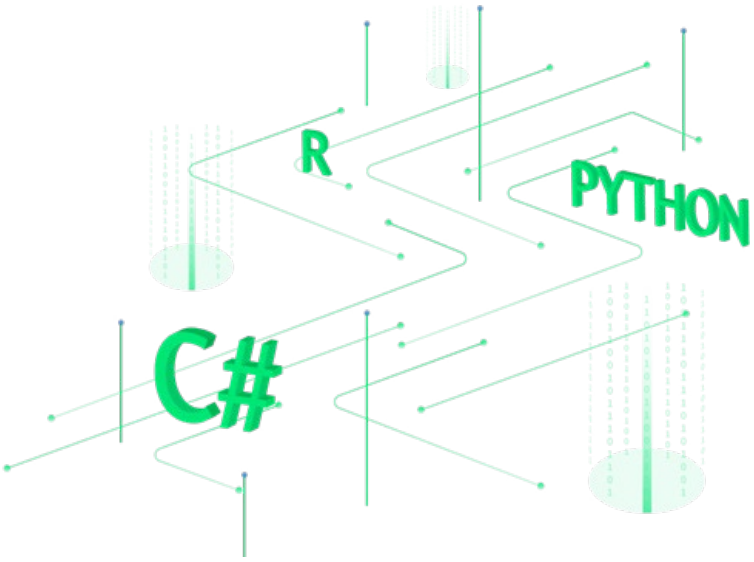
- Web & mobile trading platforms don’t have abilities to backtest and optimize a trading strategy
- Backtesting & optimization performance on desktop trading platforms is limited by hardware configuration
- 24/7 autotrading brings onboard a lot of unpredictable problems
- Running algo strategy on desktop carries many risks of strategy not executing trades correctly due to many reasons such as internet connection problems, PC problems
- VPS services used for algo trading are provided by the third party and require a lot of administration similar to desktop computer
- Desktop/VPS solutions require additional software for remote control, security oversight
- Trading platform code editors only support one default platform language
- Not every trader can code. Not many platforms offer no-code strategy builder allowing to create algo trading strategy without any development skills and knowledge of any programming language
- Machine learning methods are still not widely adapted into the optimization of trading strategies

Solution

The FinAlgo features allow traders to code, develop, test, evaluate, optimize and trade automated algo bot trading strategies on the cloud. FinAlgo is fully connected with FinStudio, so it can load content from the trading platform and also publish it, so both environments are synced.

FinAlgo provides the capabilities of backtesting and trading performance evaluation. Before implementing any type of algo trading system on a portfolio, the trader can take any set of historical data and do the backtesting to determine the algo's historical performance over the selected portfolio.

The basic subscription allows traders to backtest up to 10 strategies on a limited amount of data for free per month. Paid subscribers can backtest a full portfolio of over 100 instruments, multiple timeframes, different portfolio configurations. Testing capabilities require a high amount of processing power, so depending on the types of backtesting, there will be tiered subscription models for an individual trader or institutional-grade backtesting. Users can test and optimize more effectively than on desktop as the cloud is scalable, and traders can purchase additional processing power to increase analysis speed.



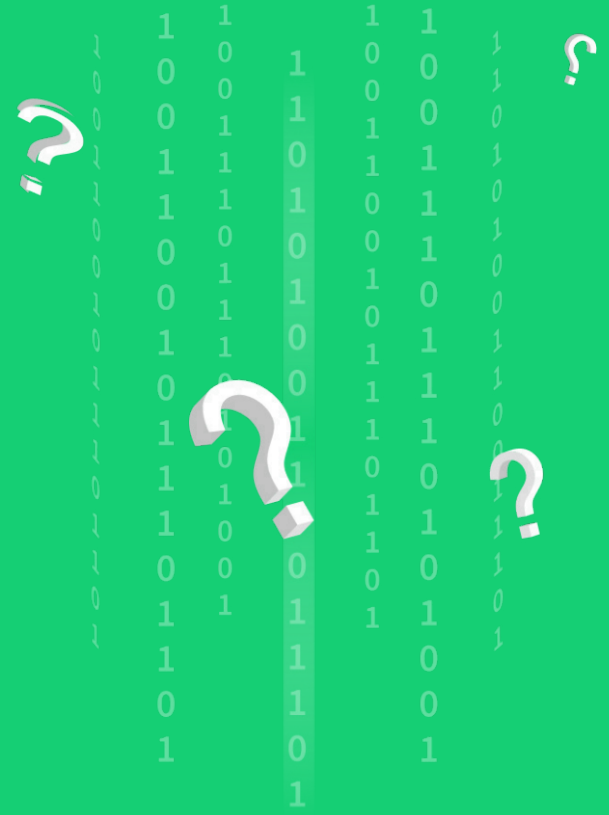
CODE EDITOR

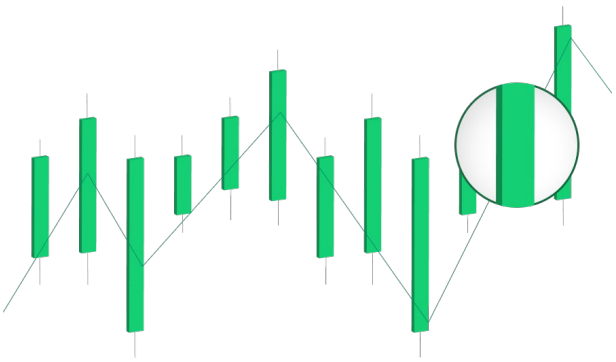
FinEditor is an online code editing platform based on Microsoft Visual Code. Users can code technical indicators, algo trading strategies, scripts in their browser, build and compile the code, and store it on the cloud. This cloud is also synchronized with our FinStudio desktop. Strategies are coded in the platform's FinScript, a custom-developed programming language based on C# for FinStudio. In addition to FinScript, FinStudio will be integrating support for other languages such as Python, R, JS, Rust and Go so users can freely call libraries in those languages.

MANUAL STRATEGY BUILDER

Manual strategy builder allows building an automated algo bot without knowledge of programming. It is different from FinQuants' Automated Strategy Builder. Users don't need to know to program, but with Manual Strategy Builder, they still need to develop strategy themselves. To build the algo strategy, users have to configure trading rules and conditions to buy or sell on the market.

Strategy rules and conditions are designed by traders; this tool provides a graphical interface to create the strategy without coding. The result is automatically generated finished strategy source code that can be backtested, optimized, and traded.





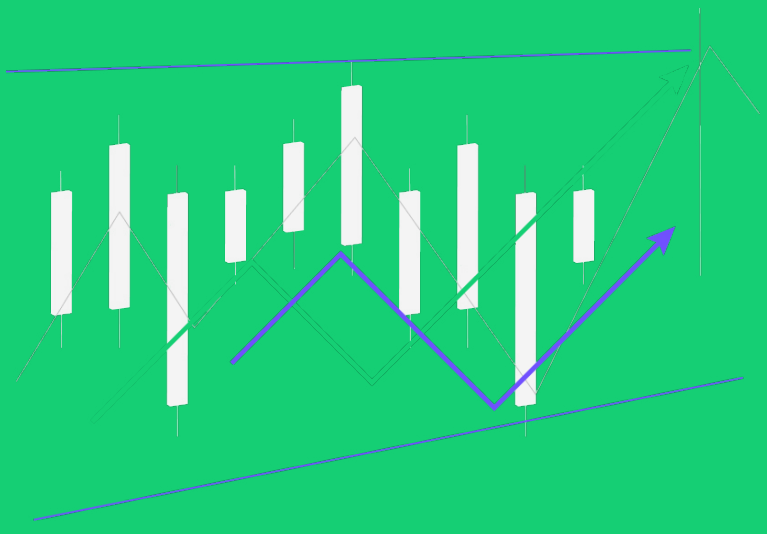
BACKTESTER

Backtester allows traders to backtest trading strategies on historical data and see how the strategy would perform over the course of time. The cloud solution allows unlimited scaling possibilities. Backtesting is a time-consuming and hardware-intensive job, so large companies may choose to use the FinAlgo tester instead of the desktop version found in FinStudio. Cloud version allows employing multiple servers for demanding backtesting, optimization, and performance testing. Using cloud backtesting capabilities can save time for large testing sets.

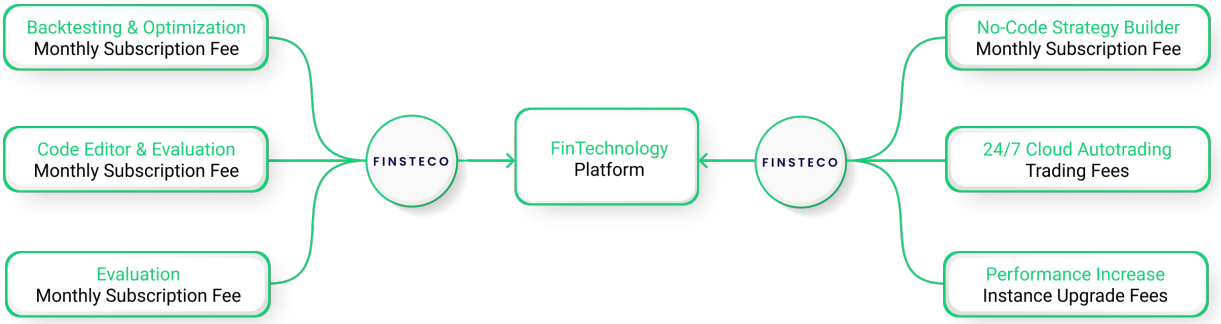
TRADING PERFORMANCE ANALYSIS

The Trading Performance analysis engine provides the ongoing analysis of the strategies as they are running on the platform. Once a trader has implemented their strategy, it's important to keep tabs on the performance on an ongoing basis.

The Fin platform provides analysis of return, risk, and drawdowns, fees, and volumes view position and orders statistical information, calculate statistical benchmarks and metrics, period and time statistics, etc.



Fees



FinAlgo is a platform that allows users to develop, backtest, evaluate, optimize and autotrade their algorithmic trading strategies. Users can code their indicator or trading strategies in Code Editor. If users don't know how to code, they can use the No-Code strategy builder to build an algo strategy just by visual configuration. Strategy can then be constructed and backtested on historical data. We can evaluate trading strategy in the Algo Performance Analysis module. If it's unsuitable, the strategy can be further optimized in Optimizer to improve its performance. The strategy can also be autotraded on the cloud 24/7.

We are offering four different subscription tiers. This is a cloud-based system, and the core of its operation is performance-sensitive. If users want to backtest or optimize the system, we will have higher operating expenses to cover increased costs for the cloud. Tiers are based on the amount of backtests and optimizations users can do per month and how far back they can go in historical data.

FinAlgo	Free	Tier 1	Tier 2	Tier 3
Cost	Free	$20	$50	$100
Backtester				
Number of Backtests per Month	10	100	1000	10000
Maximum Years of Historical Data Back	3	5	10	Unlimited
Optimizer				
Number of Optimizations per Month	10	100	1000	10000
Maximum Years of Historical Data Back	3	5	10	Unlimited
Number of Optimized Parameters	5	20	50	Unlimited

We can use historical tick data only for tier two users as their backtest length significantly increases.

The above fees are, for one instance, using a certain amount of RAM and a certain CPU speed. If users want to increase the speed and performance, they will have to purchase more instances. For instance, we can consider f.e. 4GB of RAM and a two-core 3 GHz processor. One of the most significant advantages of FinAlgo is scalability. It’s possible to scale it for massive testing and optimization fully. This implementation is not just for regular traders but can be used by larger institutions such as asset management funds.

Facts

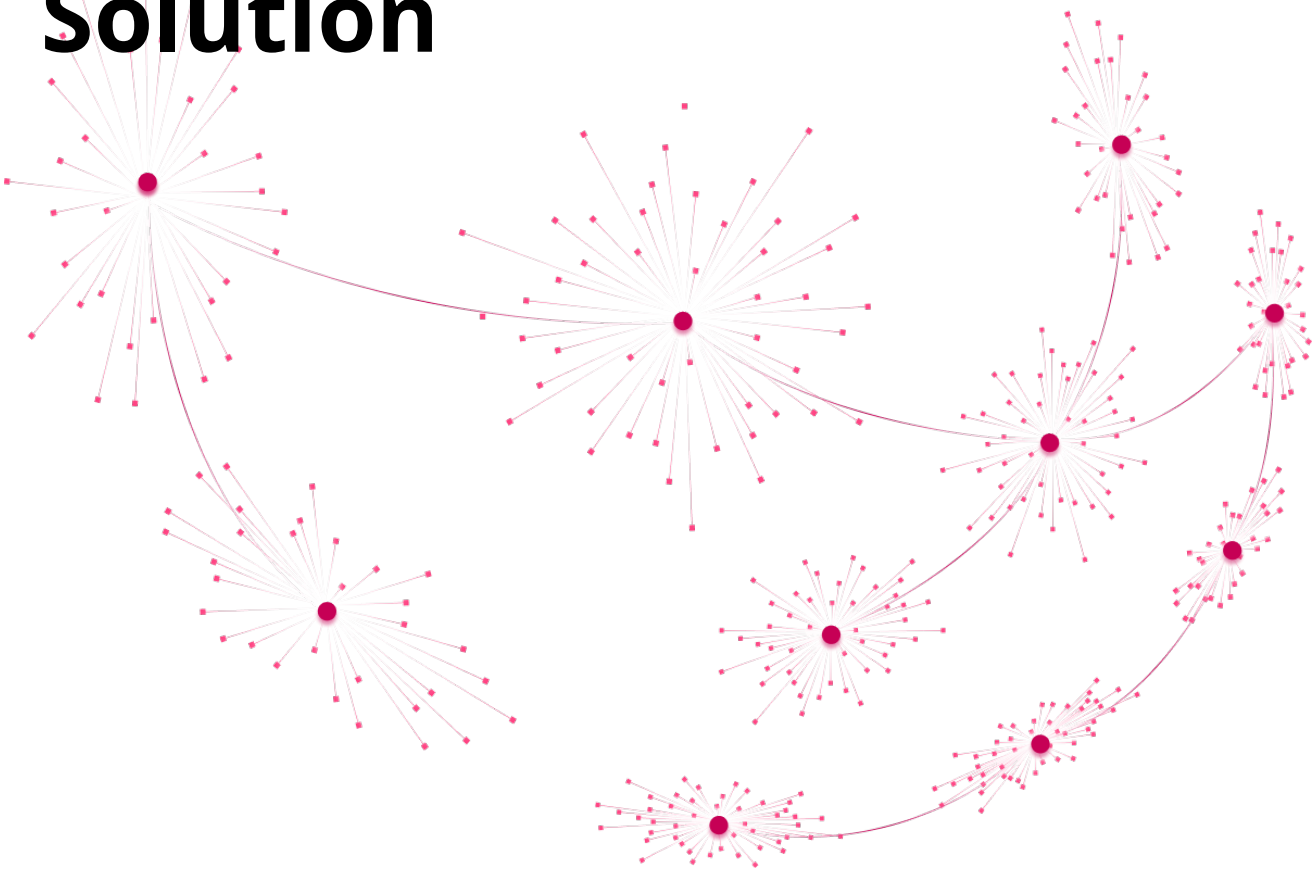
The web will run on finalgo.trading

FIN QUANT

Challenges

- Traders need to create their own trading strategy
- No public cloud solution available to build strategy automatically without coding or designing strategy rules
- Autonomous Machine learning & artificial intelligence strategy building and portfolio optimization solutions were so far proprietary and available only to largest financial institutions such as banks or funds
- Need to look for a financial advisor
- Leaving portfolio in the hands of a third party. Legitimate, regulated institutions sometimes don’t cover the inflation costs, and performance drowns for years
- No suitable and easy to use solution to manage one’s funds that would replace traditional means as to how people invest and manage their investments
- Missing solutions to create the optimal trading portfolio automatically.
- Web/Mobile/Desktop platforms are not suitable by its design, machine learning applied to strategy building needs scalable and highly performant hardware
- Traders are mixing different strategies without in-depth analysis
- Portfolios are not architectured to their maximum potential and profitability

Solution

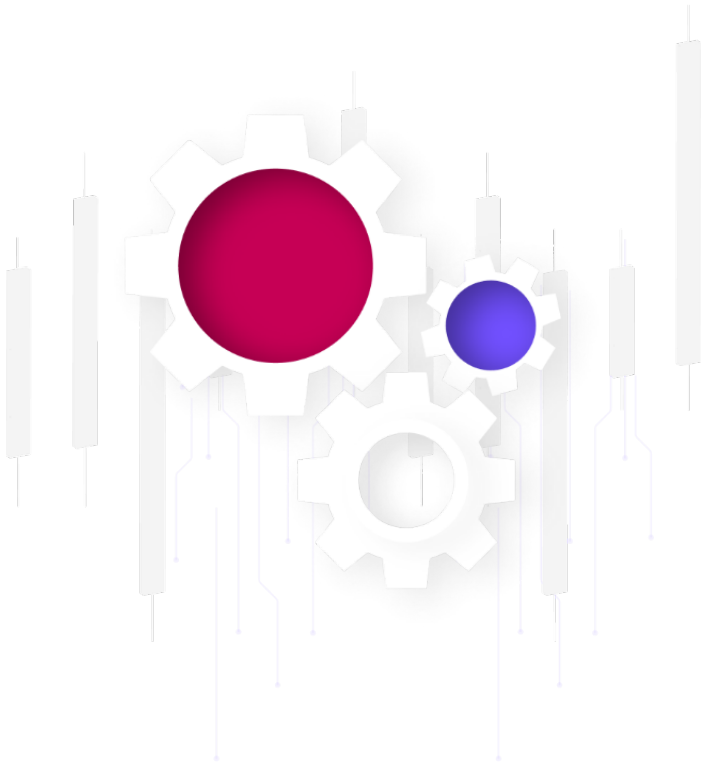


The FinQuants capabilities automatically generate profitable algo trading strategies using machine learning. No coding is required to use the FinQuants capabilities.

Like FinAlgo, FinQuants processing depends on computational power. Similarly, this feature is based on subscription models for how many different types of FinQuants capabilities the user wants to test and the amount of data for which they can test.

Traders can configure the Automatic Strategy builder by selecting different components the strategy should have. The user uses a no-code interface to set up the components. The components include indicators, predefined signals, exit methods, money management rules, candlestick patterns, technical analysis chart patterns. Machine learning settings can be adjusted too, and once the builder is properly configured, it can start generating algo trading strategies. The system keeps doing so continuously 24/7 and can run for months or years if needed.

Traders can also leverage the FinSocially capabilities and sell profitable strategies via Social Trading to the other users.



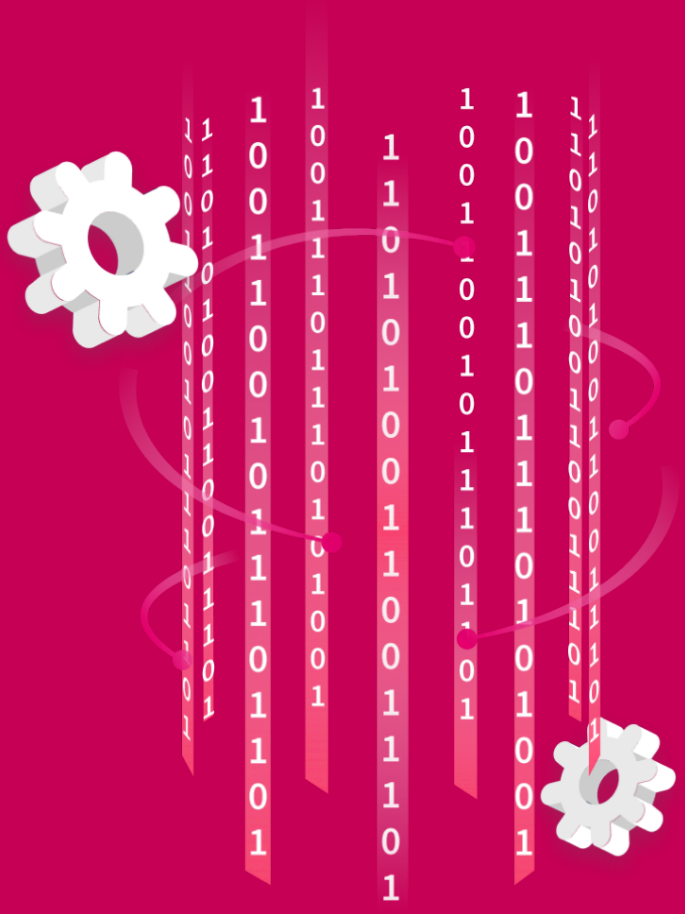
AUTOMATIC GENERATION OF TRADING RULES AND STRATEGIES

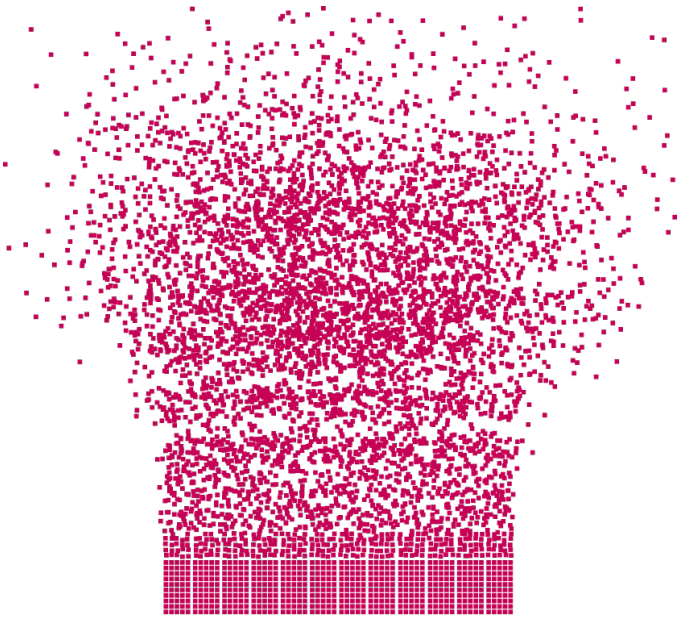
Algo trading can be highly intensive work as the traders create and program their automatic strategies and adjust them over time. Creating strategies that continuously adapt can take a tremendous amount of time on a day-to-day basis as market conditions change. The automatic generation tool substitutes for having individuals monitor and change the algorithm. The automatic strategy user applies machine learning (ML) methods to search for the best trading strategies and implement them rapidly. The FinQuant auto-generated trading rules and strategies leverage algos and integrate modeling.

STRATEGY QUALITY EVALUATION

The FinQuant builder generates hundreds of trading strategies. As the number of strategies increases, it becomes more difficult to compare and evaluate each strategy.

To address this issue, the Strategy Quality Evaluation system compares strategies and parameter adjustments for each strategy by looking for correlation in repetitive trading, excessive trading, risk allocation, and other types of behaviors. The qualitative evaluation can also use Value at Risk (VaR) methods such as Analytical VaR, Historical VaR, and Monte Carlo.

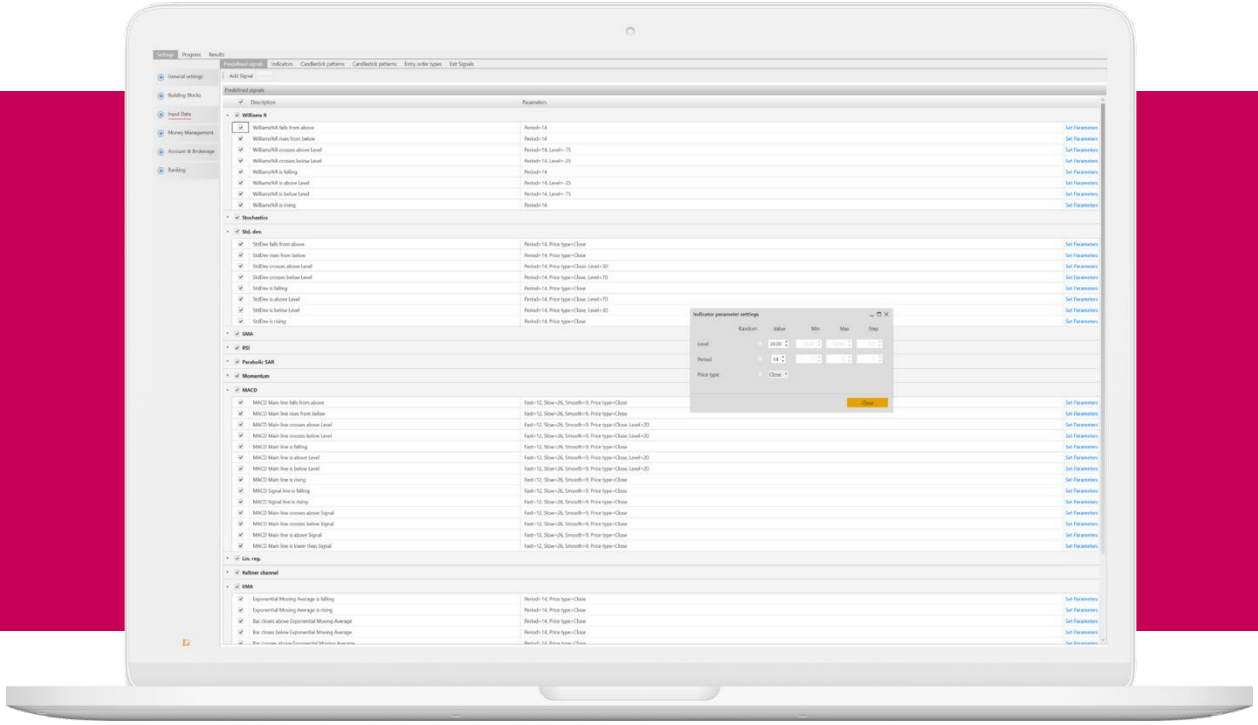




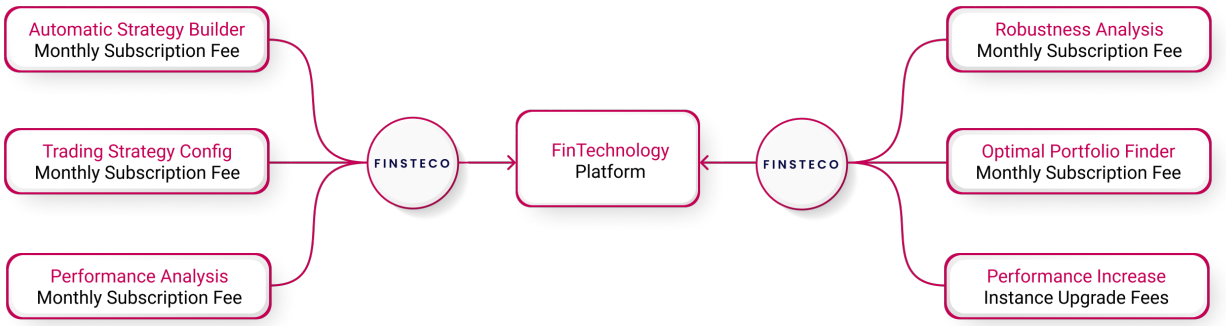
OPTIMAL PORTFOLIO FINDER

The Optimal Portfolio Finder algorithm creates different versions of portfolios to find the portfolio that performs best under the algos they have generated. The basis for the Optimal Portfolio Finder is based on the modern portfolio theory by Markowitz, in which he proposed expected return and variance to be criteria for optimal portfolio selection. Users can specify the rules to optimize the portfolio based on the selected criteria, such as the maximum drawdown, return to drawdown ratio, etc.

Machine Learning-based advisors can apply traditional data processing techniques to create optimal financial portfolios. The resulting portfolios can be used for own trading, but also as ready solutions for investment companies, funds, retirement plans, etc.



Fees



FinQuant is a tool that utilizes artificial intelligence and machine learning methods in trading to generate trading strategies automatically. Strategy creation doesn't involve any programming skills, and the user doesn't have to preconfigure the exact trading rules as with our no-code strategy builder in FinAlgo. To create a strategy, we need to configure machine learning parameters. The more parameters we select, the more intensive it is for our cloud servers. We are again offering four subscription tiers with different functionality and limitations of conditions that are gradually increased with the larger tier.

Each strategy needs to have a certain number of conditions and exit rules, a number of generations, population size per island, or a number of islands. Users need these values to be higher than in the free tier. Therefore, they will be incentivized to upgrade to a higher tier if they want to get the most from the system.

The result of strategy generation is source codes of algo strategies. The strategies can be analyzed in the most detail, and past trading activity can be viewed from many angles and perspectives. We can analyze Account, Return, Trades, Risk, Instruments, Time, Period, and check Benchmarks.

Strategies can be put together into different portfolio variants. With many strategies, we receive unlimited possible portfolios, so we utilize Optimal Portfolio Finder to find the portfolios that correspond with our fitness function. Portfolios that pass the filters can then be analyzed further for their robustness.

FinQuants	Free	Tier 1	Tier 2	Tier 3
Cost	Free	$50	$150	$250
Trading Strategy Config				
Conditions To Generate	3	5	20	50
Conditions In Exit Rules	3	5	20	50
Maximum Number of Generations	10	30	50	100
Maximum Population Size Per Island	3	5	20	100
Maximum Number of Islands	2	5	20	100

The same is valid for FinQuants as is for FinAlgo in terms of computing power and scalability. The above pricing is for a single instance. To scale up, the users will have to pay for more instances.

Facts

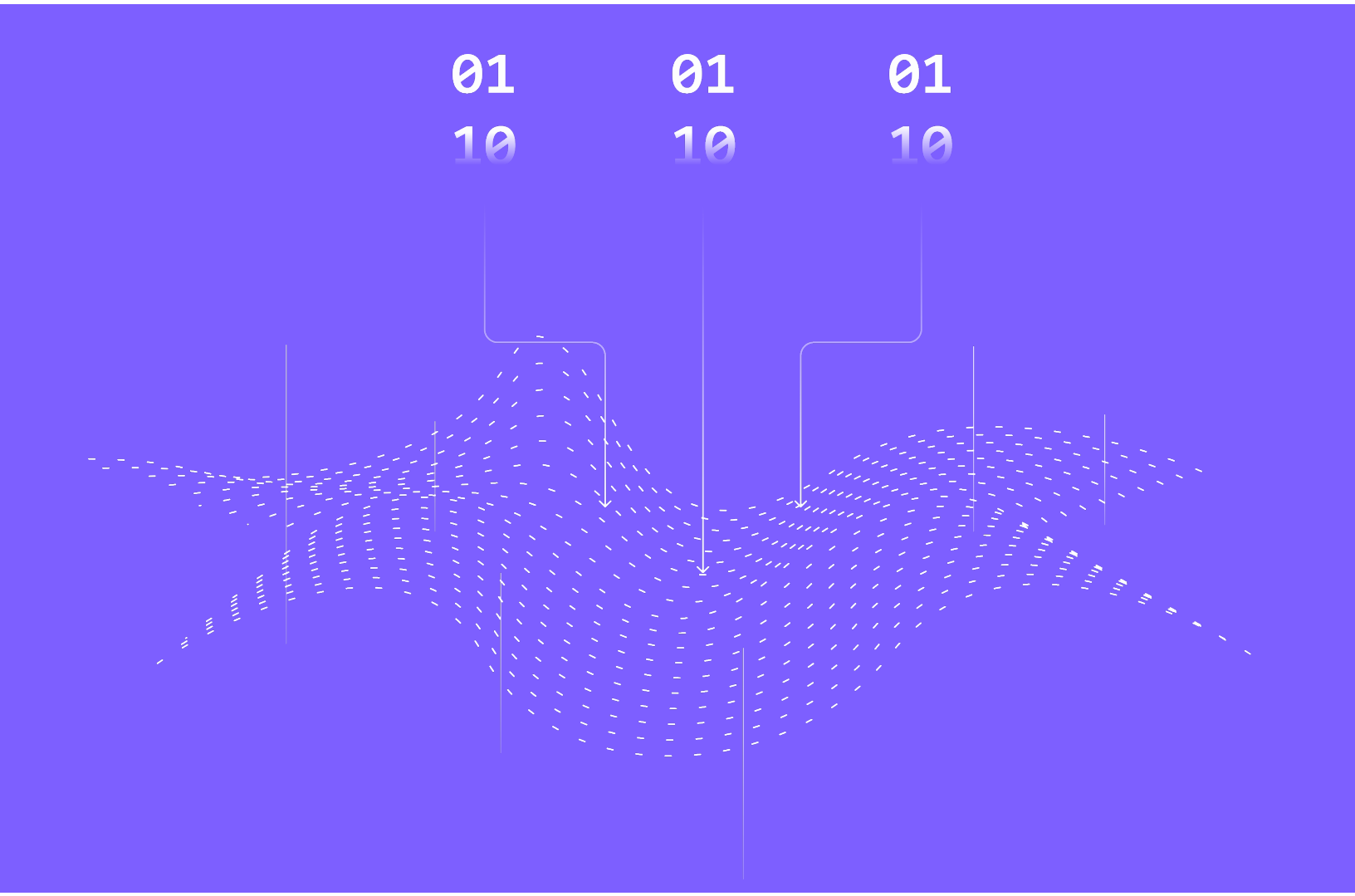
The web will run on finquants.ai

FIN DATA

Challenges

- Data collection, management & distribution is too complicated for brokers & exchanges
- Not possible to collect data just internally, data collection needs to run on different servers in case one location goes down
- Cloud services charge a lot for data processing and distribution
- Brokers & exchanges don’t offer more than a couple of months of historical data, and they don’t usually don’t offer a lower timeframe than 1 minute by default
- Tick & Level II data are too complex to store, process, and require the most sophisticated bid data solutions – unachievable by a single company
- There is no specific service that would collect data for a particular broker or exchange (or anyone) on-demand and of any type
- Stored data can reach terabytes of data or more
- Lack of quality data for more accurate analysis or algo trading (backtesting & optimization & strategy building)
- Brokers & Exchanges don’t provide quality historical data – too complicated to manage, too expensive to pay
- Clients need to subscribe to additional services that provide data different from the datafeed of a specific provider
- Price inaccuracy in incoming data from brokerages and exchanges when actually collecting their live feed and comparing it to the historical data provided

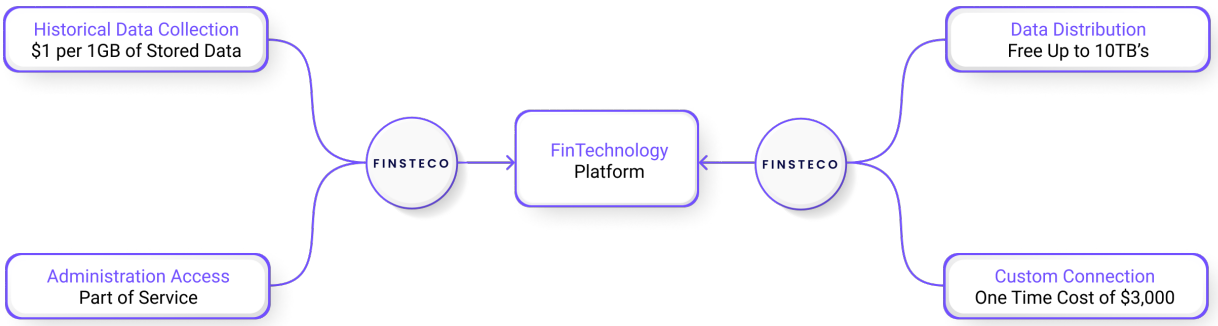
Solution



The FinData system concentrates on data collection, data storage, and data management for institutions and traders. The developers and traders on the platform can opt into different tiers of trade history storage. Institutions such as brokers and exchanges need a higher level of accountability in terms of safe and secure storage of their complete data history. For these customers, FinData provides historical tick data and full order book data storage.

In order to provide accurate real-time trading history, the systems require a high level of processing power as well as storage. The tiers for FinData services will depend on the amount of data that needs to be processed and stored daily, as well as the total storage required. The FinData service is offered as part of the FinStudio system so that traders and institutions can build in their custom FinData capabilities. FinData is also available off-the-shelf as part of the basic Fin Systems platform. In both cases, users can choose different service tiers depending on their storage and retrieval needs for the FinData services.

Fees



FinData is a professional historical/real-time data collection & distribution service. Historical data is collected on behalf of institutions or anyone interested. FinData can record any type of streaming real-time data and store it, so it becomes historical data available to be redistributed.

FinSystems can collect Tick, Bid, Ask, Last, and Level II data. Collecting the data is not just about data storage. To precisely collect the data and convert them into larger timeframes, we have to collect tick data to know what happened while targeting the OHLC timeframe. This data needs to be converted into different timeframes, such as one-minute timeframe data. Tick data is granular and requires a lot of CPU processing to convert the data into custom timeframes.

Clients can choose what data is to be stored and manage the data. Users can import or export data to any format needed. Precise statistics are recorded about data storing; the clients can evaluate what was stored, how much storage it takes, how fast the data was collected, or what data is missing. Collected data can be distributed via our APIs. We are also able to redistribute real-time data feeds.

FinSystems is charging $1 for each stored GB of data. We don't distinguish between data timeframes here; the fee applies to tick, level II, time & sales, bid, ask, or last price data. The more data we store, the more it will cost. However, we employ powerful technology that compresses the files at a 90 % rate, so the total cost is very affordable. This means that users pay 10% of what they usually pay to store the data.

Storing 20 years of tick data for one financial instrument would cost approximately $1.50. If there is some crypto exchange that offers, f.e. 1,000 trading pairs, storing tick data for all instruments would cost around $1,500 per month, which is one of the best rates in the industry. However, we can't wait 20 years until the fees make sense for us; therefore, we will charge a minimum fee of $1,000 per use of the service. If the amount of collected data exceeds this value, the user will pay the amount based on the actual volume.

FinData	Fee
Cost Per Stored and Processed GB of Data	$1.00
Minimum Monthly Fee	$1,000

Facts

The web will run on findata.services

Token Economics

Regular economy usually uses a combination of monetary and fiscal policies. We are minting 1 billion of tokens which is quite a lot of tokens. If we just released these tokens to open market the price of our token would collapse as we would flood the market with tokens thus making them less scarce and worthy. Our token economy uses different mechanisms that help control token stability and price growth.

Cliffs and Vesting Periods

We are implementing cliff and vesting periods to delay release of pre-sale/private sale tokens into the circulation. Once the cliff period is over, tokens are gradually unlocked and linearly released during the vesting periods. For investors it makes more sense to hold our tokens for longer time so the tokens stay out from the circulation and price grows. Investor's ROI will be much higher.

Staking Rewards

Our initial staking rewards pool will provide attractive APY. The more APY we give out to users, the faster it will be depleted. Staked tokens are locked and out of circulation.

Buybacks

Once the initially allocated staking pool is empty, we will supply additional tokens into the liquidity pool via direct buybacks on the market. Buybacks will reduce amount of circulating tokens and provide further incentives so users can keep staking.

Holding

Anyone who will want to use any of our services will have to posses our tokens. As the amount of users grows they will hold more and more of our tokens in their wallets which removes them from circulation. These tokens can't be staked and locked.

Revenue

We enforced rule that if someone wants to purchase some of our products and services, the purchase has to be done in our tokens. If we would just keep the tokens then all tokens would end up on our side. We are implementing mechanism that will determine what will happen to the tokens that land on our side.

Burning

We decided to burn part of revenue we receive in our tokens. This will gradually reduce total token supply.

Locked Revenue Reserve

Another part of the tokens we receive as payment for our service will go into revenue locked reserve. Once tokens are locked, they are again taken out from the circulation.

Swap

We will swap part of received tokens for other tokens and fiat. This is inflationary mechanism where we release some tokens back to circulation.

SBR (Swap/Burning/Reserve) Ratio

We will set ratio which will determine where each proportion of our revenue goes. This ratio proportions will decrease over time. After TGE first years no tokens will be swapped. Once the revenues grow the ratio will be changed so less is locked in revenue reserve and burned and more can be swapped. The ratio will be adjusted based on some key elements such as total tokens in circulation and price growth.

Governance

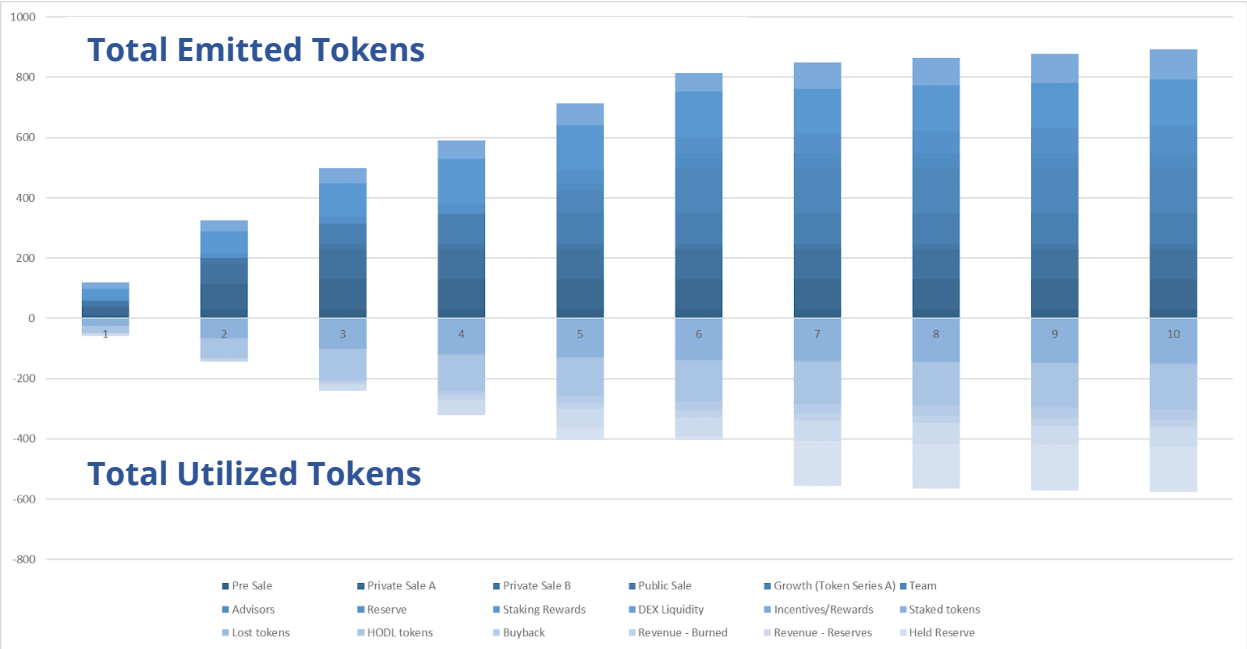
Users who have the voting rights can participate on deciding about details of each mechanism.

Tokenomics Mechanisms

Our Token Economy mechanisms will be programmed into smart contracts so most of the process is automated and users are allowed to influence it.

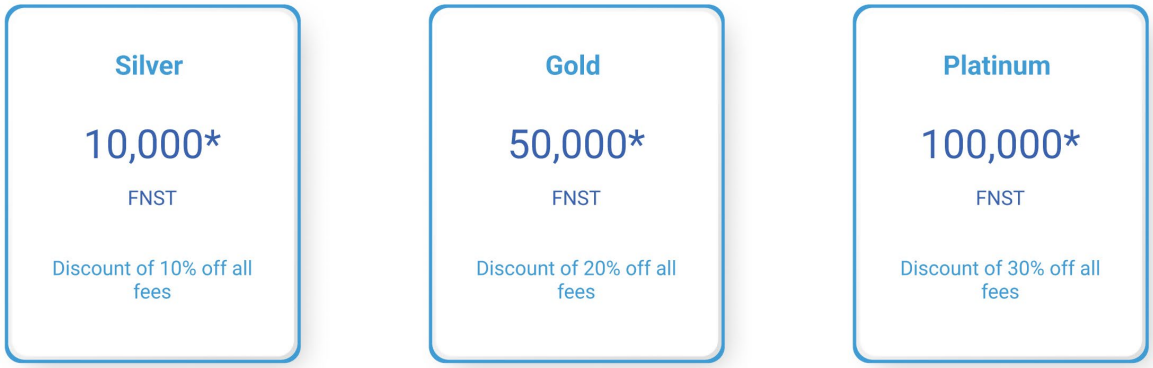
We did extensive token modelling and by implementing all methods above we are able to significantly reduce total tokens in circulation.

Below is example of tokens that are actively used in our system. In this model we kept rather conservative values, but the result is clear and model is proving to be effective.



We consider model of our token economy as very important so we will keep constantly improving it. We are looking to achieve balance, token stability and price growth.

Account Tiers



Fin Technology consists of three account tiers that provide Fin Technology consumers with discounts on fees. Fin Technology users must hold a minimum number of tokens within their Fin Technology platform wallet to be eligible for the account tier discounts.

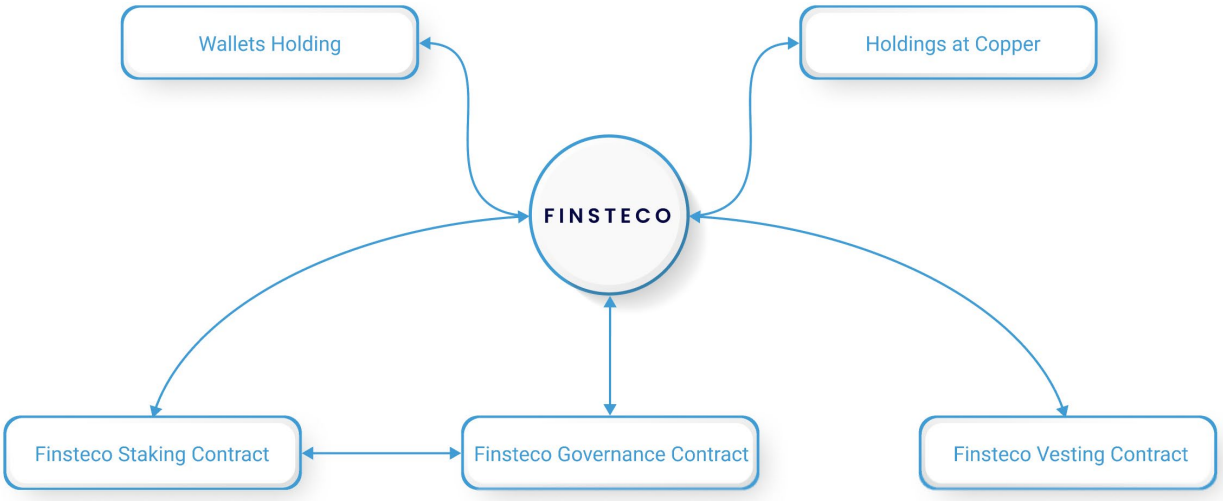
Examples of discounted items include transaction and subscription fees, platform addons, market products. Token users will benefit from discounts on most of our native products and services. These fees don't apply to FinStudio transaction fees as they are discounted by more specific volume discount tiers described above in this document. Above FNST holder account tiers apply to the following fees. Discount is applied to all below-listed fees based on the amount of holding tokens.

Service	Free	Tier 1	Tier 2	Tier 3
FinSocially				
Charting	Free	Registered	$10	$20
Social Network	Free	$30	$70	$120
Market - Product Listing		5%		
Market - Product Sale		10%		
Freelancing - Subscription	Free	$50		
Freelancing - Job Completion		5%		
Education - Register As Academy		$150		
Education - Register As Instructor for the Academy		$50		
Education - Course Listing		5%		
Education - Course Sale		10%		
Social Trading - Subscription Fee		10%		
Social Trading - Performance Fee		10%		
Social Trading - Management Fee		10%		
FinAlgo				
Subscription Fee & Instance Upgrade	Free	$20	$50	$100
FinQuants				
Subscription Fee & Instance Upgrade	Free	$50	$150	$250
FinData				
Cost Per Stored and Processed GB of Data	Free	$1.00		

Finsteco Utility

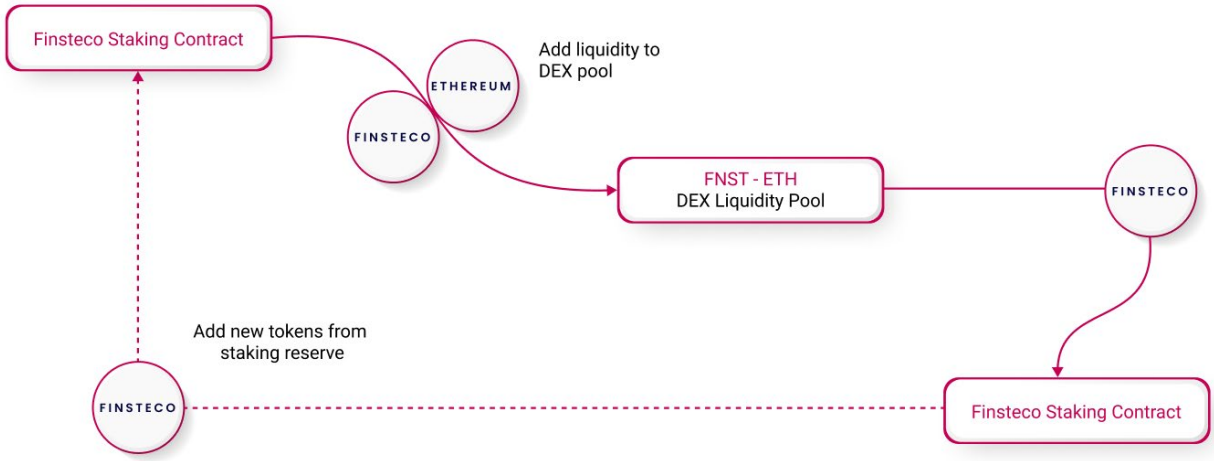
We are not making the token just for fun. The idea to create the token came to use while we designed our Code Market & Freelancing on FinSocially. This will be a place where users can sell their add-ons; we will also have an escrow contract that will release the payment once the freelancing result is delivered to the user. Our competitor has a similar solution, and they are using an old credit system for all freelancing contracts on their page. We concluded this would be a significant step back, especially now when DeFi is making its way into the world. So this was when we decided to create our token. Besides our ecosystem's actual purpose, we plan to make it more attractive to all users who own our token. Below is a brief diagram of the different utilities of our token.

Finsteco Smart Contracts



Staking Contract

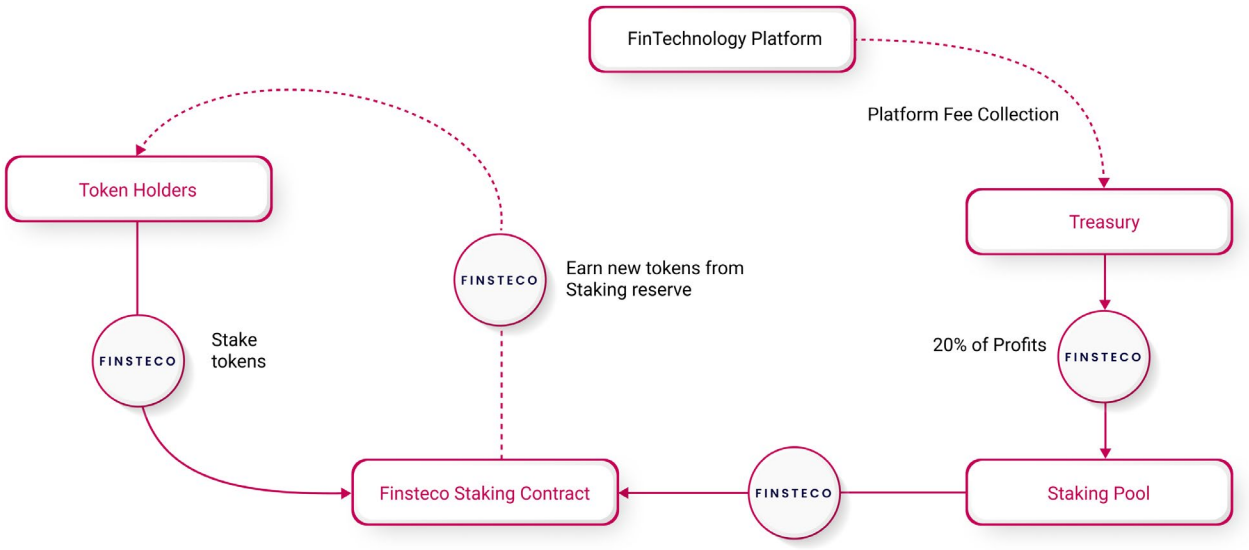
FNST is expected to be available on decentralized exchanges; however, no new FIN tokens will be created. New FNST can be redeemed exclusively through token staking. Fin Technology provides two methods of staking, LP Staking, and Direct Staking.



FNST can be earned when participants add liquidity to Fin Technology's DEX liquidity pool. Fin Technology will create a staking contract activated when LP shares generated from liquidity providers are deposited into the FNST staking contract. FNST is paid into the staking pool and earned by LP miners based on their pro-rata share in the staking pool.

Staking is designed to reward participants who lock their FNST tokens while providing much-needed liquidity to the DEX pool. In return, they are given FNST from the staking reserve. The staking reserve is a finite and exhaustible resource expected to incentivize early participants and reduce the circulating supply.

Direct Staking & Buybacks



FNST can also be earned by directly staking FNST tokens into the token staking pool. Direct staking accomplishes the act of locking FNST and thereby preventing it from being sold; however, direct staking does not add to liquidity. However, direct staking can reduce exposure and risks to participants, such as impermanent loss, changes in the ratio of supplied liquidity, and the market risk of holding two tokens.

The LP staking pool is a finite resource and exhaustible. The direct staking pool is intended to be replenished by platform fee collections providing a mechanism for token holders to continue earning additional FNST well after LP staking has ended.

The yield provided through direct staking shall be variable and dependent on fee collections and the number of FNST staking participants.

The initial staking pool is funded from the initial token allocation & distribution, and it will be eventually depleted. To replenish the staking pool, we will invest 20% of all profits from all fees into buying new tokens on exchanges at the current market price. These tokens will be then placed into the staking pool, where they will be further redistributed to users who have our token staked as rewards for their staking.

Vesting Contract

We must set cliffs and vesting periods properly so price our token doesn't fall right after listing on the exchanges. We have been building our products and services for a long time. It's been a continuing effort of the whole team; there is much work behind an offer. We don't want our token to become a victim of speculation, price manipulation, or some pump & dump schemes. We certainly aren't rug pullers; instead, we want to achieve stable price growth. We are sure our pre-TGE token buyers believe in our tokens, and they won't mind us implementing a control mechanism. FinTechnology will enforce the vesting contract, introducing cliffs and vesting schedule. The schedule is aligned with the marketing strategy and launching of our FinProducts.

Type	TGE Release	Cliff (Months)	Vesting (Months)
Pre Sale	5%	12	20
Private Sale A	7%	14	22
Private Sale B	2%	24	24
Public Sale	15%	1	6
Growth	0%	24	18
Team	0%	48	24
Advisors	0%	12	24
Reserve	0%	6	120
Staking Rewards	0%	1	48

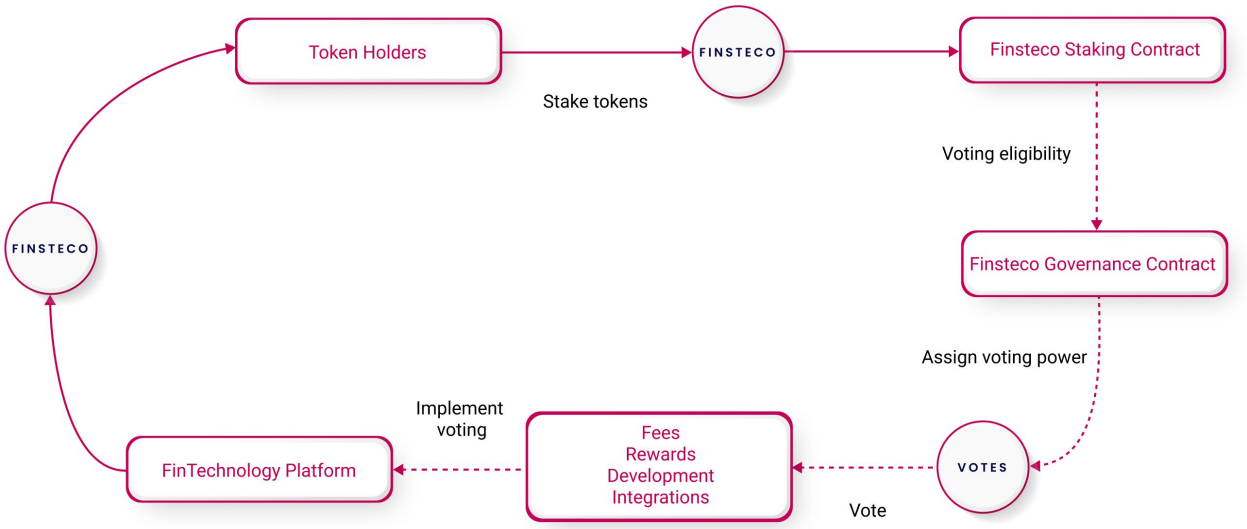
Governance Contract

Over the years, we have watched many companies in the industry with decades-long history but still have many adverse reactions from their users regarding ignoring their requests. FinSystems wants to build a stable community of supporters and clients. In the end, it still comes down to the fact that all our products and services are made for the users. As we build the products for the users, we want them to be happy with our product line and services. No company is perfect; we realize FinSystems will always have things to improve. FinSystems plans to establish strong

ties with its user base and listen to their suggestions to improve the service. There is no better way than to work directly with people using our product.

FinSystems plans to issue a governance contract to allow users to participate in our decisions.

Governance will be closely tied to staking. Anyone who stakes our token will receive a certain amount of votes. The longer tokens are locked for, the more voting power staker receives.



Token Sale

FNST shall only be made available for purchase through its token sale or on the secondary exchange market. Fin Technology will create 1,000,000,000 (1 billion) total FNST based on the following capital raise structure:

Token Overview	
Data	**Value**
Token Name	Finsteco
Token Ticker Symbol	$FNST
Price per Token (for LP listing)	0.10 €
Tokens Minted	1,000,000,000
Decimal/Precision	6
Soft Cap Target	10,000,000 €
Hard Cap Target	13,900,000 €
Token Type	Fixed Supply / Deflationary

Token Sale	
Data	**Value**
Tokens for sale	250,000,000
Tokens Released at TGE	14,100,000
Market Cap at TGE	1,410,000 €
Sale Waves	4
ICO currency	EUR
Accepted currency	BNB, USDC, FIAT
Jurisdiction	Slovakia
Compliance	KYC, AML
Token Contract	Token Sale Agreement

Pre-Sale	
Token allocation	50,000,000
Tokens for sale	50,000,000
Tokens price	0.1 €
Discount	70%
Cap Target	1,500,000 €
Avg sale price	**0.03 €**

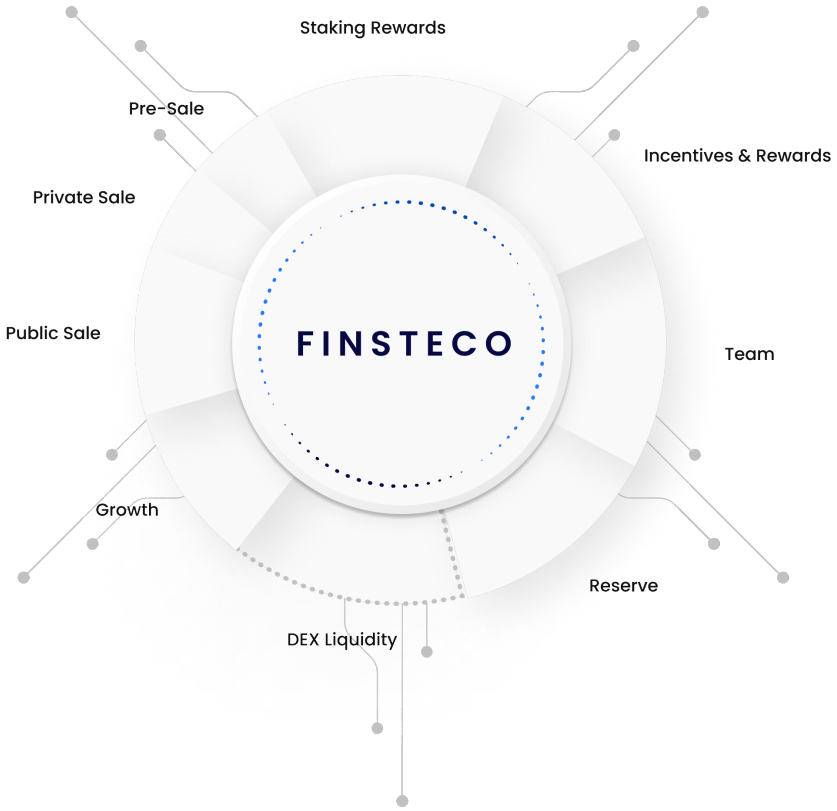
Private Sale A	
Token allocation	100,000,000
Tokens for sale	100,000,000
Tokens price	0.1 €
Discount	50%
Cap Target	5,000,000 €
Avg sale price	**0.05 €**

Private Sale B	
Token allocation	80,000,000
Tokens for sale	80,000,000
Tokens price	0.1 €
Discount	30%
Cap Target	5,600,000 €
Avg sale price	**0.07 €**

Public Sale	
Token allocation	20,000,000
Tokens for sale	20,000,000
Tokens price	0.1 €
Discount	10%
Cap Target	1,800,000 €
Avg sale price	**0.09 €**

FNST Token Distribution

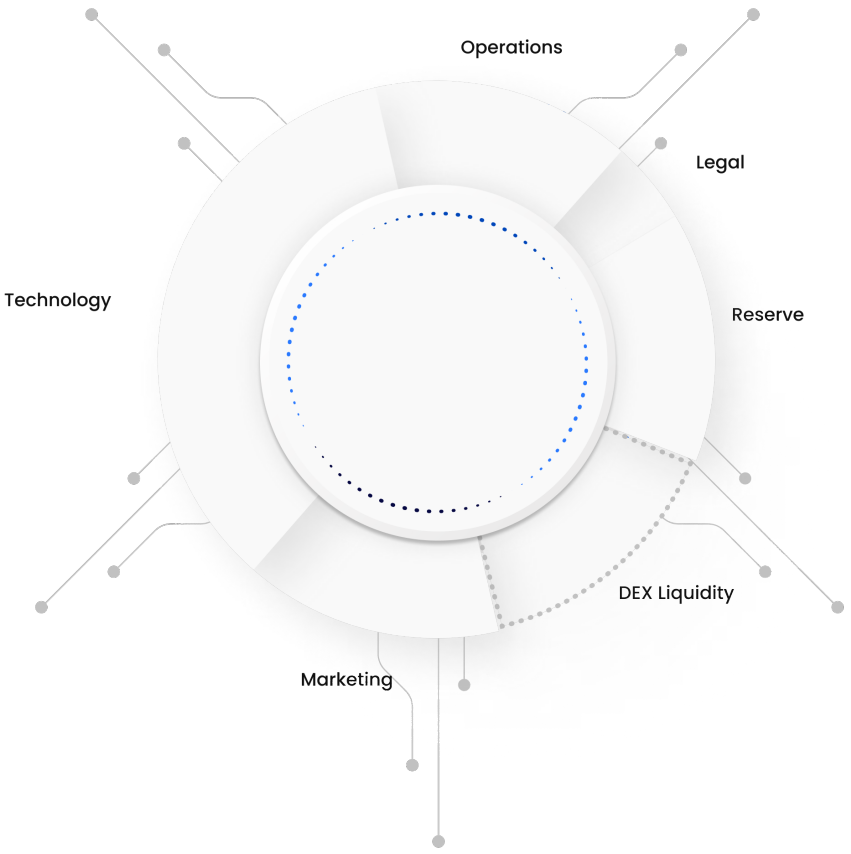
Tokens created by the contract will be distributed based on the following:



Token Distribution						
Type	**% Allocation**	**Tokens**	**TGE Release**	**Daily Release**	**Cliff (Months)**	**Vesting (Months)**
Pre Sale	5%	50,000,000	5%		12	20
Private Sale A	10%	100,000,000	7%		14	22
Private Sale B	8%	80,000,000	2%		24	24
Public Sale	2%	20,000,000	15%		1	6
Growth & Development Fund	10%	100,000,000	0%		24	18
Team	15%	150,000,000	0%		48	24
Advisors	5%	50,000,000	0%		12	24
Reserve	10%	100,000,000	0%		6	120
Staking Rewards	15%	150,000,000	0%		1	48
DEX Liquidity (Locked)	8%	80,000,000	100%			
Incentives/Rewards	12%	120,000,000	0%	0.05%		
	100.0%	**1,000,000,000**				

Use of Proceeds

Funds raised from the token sale will be distributed based on the following:



Fund Allocation from Token Sale		
Type	**% Allocation**	**Value**
Technology	55.0%	7,645,000 €
Operations	5.0%	695,000 €
Marketing	20.0%	2,780,000 €
DEX Liquidity (Locked)	8.0%	1,112,000 €
Legal	2.0%	278,000 €
Reserve	10.0%	1,395,000 €
	100.0%	**13,900,000 €**

Roadmap

OCT 2016
FinSystems Ltd. established

FEB 2017
Development Started

Token Pre-Sale Round

Token Private Sale Rounds

Token Public Sale Round

FinStudio FX Launch

TGE & FinStudio Launch

FinSocially Launch

FinAlgo Launch

FinQuants Launch

FinData Launch

Team

Peter Srank

Co-Founder, CTO

Peter builds on his more than 20 years of experience and skills, acquired mainly in the UK, whereas as a software engineer, he focused primarily on web applications, micro-services, and data processing. In London, he worked for leading companies such as Shell, Mark & Spencer, Clarksons Platou, and Deloitte. Peter also has many years of experience in financial markets and machine learning. Peter is co-founder of Fin Systems, where he designed original solution architecture. He is currently overseeing technical implementation.

Vladimir Ruscak

Founder, CEO

Vlad first came into contact with the financial world during his senior year of high school in 1997, and further experiences came with studies of the economy in New York. He worked for a company doing PR for financial institutions, regularly appearing on CNBC, Wall Street Journal, and similar media. He provided consultancy and other services for traders and clients for several years. In 2012 he joined ATC Brokers US. In 2013 he helped establish the ATC London branch, where he performed several FCA-controlled functions such as Director, Compliance, and CASS functions. Vlad has extensive knowledge of financial markets, compliance, and technology in international environments. As the founder, Vlad is currently working on Fin Systems' suite of products and services.

Roman Fadeyev

Head Of Development

Having graduations in two fields - software development and economics led him to financial markets in the early 2000s. Roman has been in software development since 12 and got several awards. He created his first commercial product in 1995 at the age of 16 and received his Ph.D. in 2005. He got his first experience in 2001, starting developing math algorithms for FOREX trading. Over the past 20 years, he has gotten acquainted with plenty of markets, brokers, platforms, and APIs. Working closely with traders and financial companies gave him an exclusive experience of actual trading in various markets, including cryptocurrencies. He also has solid expertise in building proprietary trading platforms and exchanges. Roman is overseeing development.

Wallet and Token Custody

We support hardware and software wallets. We are integrating the most popular wallets so users can load and store their tokens in their wallets.

Besides storing tokens in users' wallets, users will also have a choice to store the tokens in our system. We do not want to risk the tokens will be stolen, so we decided to integrate an institutional-grade custody solution from Copper. The tokens will be stored in a cold wallet; the online interface will merely read information from the blockchain to provide helpful information about their token holdings.

"No single point of failure custody solution from Copper is super secure and fully insured against a number of possible breaches. The insurance covers protection against employee theft, third-party computer crime, funds transfer frauds, cyber losses (crime through fraud/theft, viruses, hacking), property loss (relevant to the assets) within Copper premises & in transit.

Copper is registered with the US Dept. of the Treasury's Financial Crimes Enforcement Network (FinCEN) as a Money Services Business. On the technology side, the firm is audited and certified annually to the ISO 27001 standard. And to give the clients further peace of mind, Copper has a Crime insurance policy that is brokered by Aon and supported by a panel of S&P A+ rated insurers in the Lloyd's of London insurance market. Funds are insured up to $150,000,000." *

*Source: copper.co

Disclaimers

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

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

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

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

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

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

PARTICIPANT WARNING

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

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

PROMINENT STATEMENTS

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

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

FUTURE STATEMENTS

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

All forward-looking statements attributable to the Company or persons acting on behalf of the Company are expressly qualified in their entirety by the cautionary statements in this section. Except as expressly required by law, the Company undertakes no obligation to publicly update or revise any forward-looking statements provided in this Whitepaper, whether as a result of new information, future events or otherwise, or the risks affecting this information.

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

VALUE RISKS

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

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

FIN tokens do not have any rights, uses, purpose, attributes, functionalities, or features, express or implied, including, without limitation, any uses, purpose, attributes, functionalities, or features on the Fin Technology platform. The company does not guarantee and is not representing in any way to the buyer that the FIN tokens have any rights, uses, purpose, attributes, functionalities, or features. FIN tokens may have no value. The company reserves the right to refuse or cancel FIN token purchase requests at any time at its sole discretion.


FINSTIE