

LITEPAPER

ROBOFI ECOSYSTEM

Bringing DAO Bots to Everyone

Powered by

DAO BOTS COMMUNITY

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1.0 Introduction

Financial markets have grown significantly over the past few decades, boosted by revolutions in technology and globalization. Does that mean that the financial market has made more individuals wealthier?

Although individuals have easier access to information, the financial market has become more uncertain. The world is changing rapidly, so is the financial market. It is hard to forecast future events such as the financial crisis and the recent pandemic. Surprisingly, according to a report by the Institute for Fiscal Studies, "while the ultra-wealthy make even more money, households in the poorest fifth—as measured by their pre-crisis income—have been hit the hardest in terms of earnings, with a fall in their median household earnings of around 15%." The financial market is not always fair and transparent. There exist many inefficiencies and risks, such as price manipulation, lack of transparency, insider trading, overloaded fake information, and other unknown risks.

The solution is a decentralized, transparent, and fair platform that is based on blockchain technology.

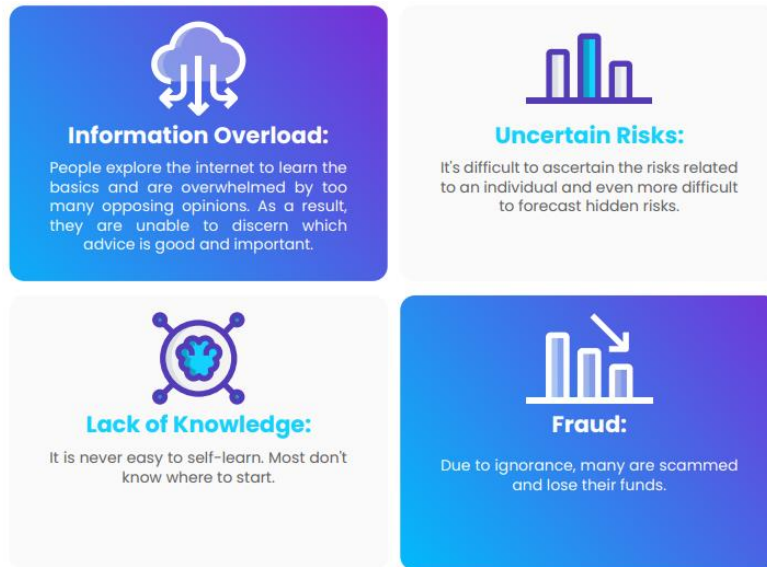
The first platform to solve this problem is RoboFi. It is a decentralized and autonomous Defi platform powered by DAO bots community built in a public ledger system. RoboFi offers bots staking, bots marketplace, bots governance and IBO (Initial Bot Offering) to users and bot creators, both of which earn through a mutual rewarding system which adheres to the DAO principal.

RoboFi also introduces VICS, the token of the RoboFi ecosystem. VICS connect bot creators and users while improving privacy and transparency.

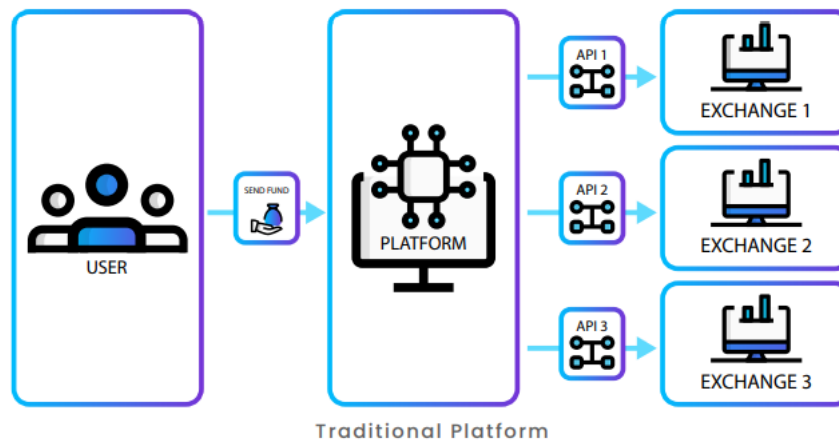
VICS, together with the whole RoboFi ecosystem, aims to create an environment that transforms the financial market while both bot creators and users earning through a mutual reward system.

1.1 Key Challenges in Financial Trading

Individuals continue to find various ways to earn in financial trading. However, after trying for a while, they become overwhelmed.



For the above reasons, investors are actively finding a platform that makes use of bots in financial trading. Due to the described market demands, many platforms have released bots. Although there is a serious demand and need for technology to assist investors in financial trading both in CEFI and DEFI, it is not easy for platform providers or bots creators to provide high-quality financial bots due to IP issues.



Therefore, it is true that the key challenges are outstanding, and that it creates barriers for both investors and bots creators to enter the market.

For individuals, key challenges are:

1. Verifiable Performance

Users often have difficulties assessing the historical performance of bots as they cannot verify the performance of the bots. This may result in inaccurate data that do not correlate with their advertised performances.

2. Fund Safety

Fund's safety is a key concern as well. There are too many instances of investors who had to send their tokens to wallets that may not have the adequate security of major exchanges. This poses significant risks for the users. Therefore, some bot's provider overcome it by using managed accounts to ensure funds security. However, managed accounts often are unable to return the optimal performances of bots. Therefore, there are many managed accounts that are unable to sustain the performances of the actual bots. It is also possible to use DEX to overcome the issues of funds security. However, DEX often do not have enough volume for high volume trading and DEX are prone to hacking at times too.

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For bots creators, key challenges are:

1. IP Protection

There is a real barrier for bot creators to trust investors and platforms with their IP. Bot creators are not keen to lose or surrender their IP as they had made a lot of efforts to develop the bots. This has caused many bot creators to hide their boots and not share them with investors. At the same time, bot creators are often not adequately incentivized for the IP that they created.

There exists a barrier between bot creators, investors, and platforms with their IP. Bot creators are not keen to lose or surrender their IP as they had made a lot of effort to develop their bots. This has caused many bots creators to hide their boots and not share them with investors. At the same time, bot creators are often not adequately incentivized for the IP that they have created.

2. Marketing

Even if bot creators develop fantastic bots which deliver great performance, marketing remains a big issue. Either bot creators don't know where to find users, or they fail to convince individuals to use their service. Bot creators are faced with difficulties in presenting themselves to users. Thereby resulting in keeping the bots to themselves,

their family, and their friends. It is high-time that high-quality bots come out to the world. And that's all thanks to blockchain technology and the DAO principal.

1.2 Mission & Vision

Our objective is to utilize blockchain technologies with DAO principal to enable a safe and trusted environment for the financial market. We are developing a powerful Defi platform that can effectively put bots creators and individuals in touch with one other for earning opportunities while protecting data and privacy.

Thanks to blockchain technology, a higher set of standards in transparency, efficiency, and security have been introduced. Now is the best time to transform the financial industry with RoboFi to benefit financial market players.

Our vision is to be the first Defi platform that is powered by bots which supports individuals' earning in financial markets including, but not limited to crypto currency, equities, forex.

1.3 Value Proposition

RoboFi is a Defi platform with Dao bots that is transparent and autonomous. This will make:

- Users: Secure storage of digital assets, strong security and privacy, share of token and verifiable bots performance, earning opportunities through staking, IBO (Initial Bot Offering), purchasing governance shares of bots, lending, games, bots trading, liquidity pool etc.
- Bot Creators: Listing bots, protecting IP, IBO (Initial Bot Offering), raising funds for trade.

1.4 RoboFi Overview

To improve the efficiency of an individual's financial trading (method), a platform with cutting-edge technology is required. The first step is to launch a new platform—RoboFi, a defi platform that offers a marketplace for revolutionary Dao bots with IBO (Initial Bots Offering). In the past, speed might have been a big advantage in the capital market world. However, that may not be the case today. Fintech (a portmanteau of finance and technology) has come about, and the words big data and AI are no longer unfamiliar. Technology, equipped with trading strategies, has now become a key component in having a competitive edge against other financial institutions. Financial institutions are in a rat race to create more

financial bots to stay on top of competition. This is not only limited to institutions as individuals are also trying to build their own bots and/or are looking for bot providers.

As a result, the demand for high quality bots exists. There is a scarcity of high-performing bots in the market. The said bots are not accessible to everybody; therefore, the value of these bots increases over time. As a solution, the IBO concept, which is similar to an ICO, was introduced. In an ICO, a coin project receives funds from its followers. IBO stands for Initial Bots Offering and it is more than just fundraising. The initial bots offering serves as a mechanism to offer bots to the public for the purpose of raising funds for trading and owning the governance shares of bots. Users who participate in IBO will not only own the governance shares but also will have many other rights such as voting rights. The users then become the bots' governance shareholders.

RoboFi makes it possible for bot owners and developers to list their bots and services to the RoboFi community. This creates an ecosystem where all participants benefit from it.

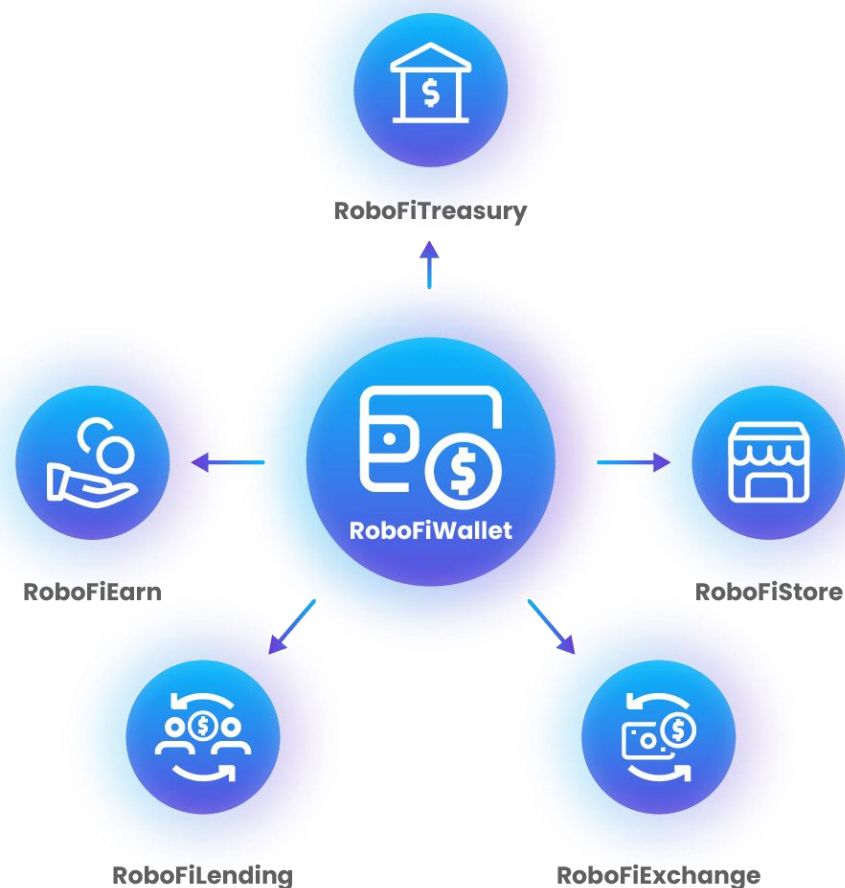
One more important thing to keep in mind is that all bots adhere to the DAO (Decentralized Autonomous Organization) principle. In DAO principal, everything works transparent and fair as it will not depend on one single person's decision. this means all activities are transparent and verifiable in the blockchain. Through RoboFi, users are also able to participate in games, staking, and lending.

We also introduce VICS tokens which are the fuel of the RoboFi Ecosystem. VICS is ERC 20 based on Ethereum technology. Using VICS token, users will be able to participate in IBO, staking or lending for earning. VICS is an important utility token as it is the fuel of the ecosystem. That being said, the people will need VICS to gain access to the community's services.

2.0 RoboFi Ecosystem

2.1 Overview

The RoboFi ecosystem with VICS token brings the value of professional portfolio management to hodlers in an automated, transparent, and verifiable way. We connect Decentralized Autonomous Bots (DABots) to hodlers. The benefit for bot owners is to list their DABots through genesis phase, IBO phase, and Stake-and-Earn phase, hence, raise the fund for bots to trade. The benefit for hodlers is to manage their crypto assets in a secure manner, select and stake into DABots and earn rewards from bots trading. Moreover, they can also play as part of the governance role for DABots using VICS, and via a voting mechanism. This is done thanks to blockchain and smart contract technologies. Figure below outlines the major products within the RoboFi Ecosystem.



RoboFiStore is a place for users to browse existing DABots in the ecosystem. Users are able to monitor the performance of each bot, and perform various operations on these bots, for example, stake/unstake to bots, claim staking rewards, buy bots' governing tokens.

Decentralized Autonomous Bots (DABots) are kinds of Decentralized Autonomous Organizations (DAO), powered by smart contracts. Participants of a DABots could be either staking users or governing users. Staking users are participants who deposit crypto assets to the bot to generate profits. Stake users will earn the majority of the bot's profits. Meanwhile, governing users are participants who purchase DABot's shares (i.e., governing tokens) to control various settings of DABots and earn a portion of bots' profits.

There are three kinds of DABots:

- **DEX DABots** are bots that trade on decentralized exchanges like Uniswap, Sushiswap, Pancake. DEX DABots accept staking of DEX-tradeable tokens (mostly ERC20 tokens on Ethereum network, and BEP20 tokens on Binance Smart Chain network).
- **CEX DABots** are bots that trade on centralized exchanges like Binance, Kucoin,... Some bots of this type also trade on equity markets and/or Forex. CEX DABots accept staking only from wrapped versions of original tokens (e.g, ETH, BTC, USDT,...)
- **Farming DABots** are bots that are providers of liquidity pools of AMM-DEX to earn trading commission fees. DABots also earn yield farming income in certain types of liquidity pools. Framing DABots accept staking of tokens that are supported by liquidity pools

RoboFiTreasury is the bridge in which users deposit crypto assets (e.g., ETH, BTC, USDT,..) to get a copy of these assets in sTokens. The conversion rate is always 1:1. For example, deposit 1 ETH will get back 1 sETH; deposit 100 USDT will get 100 sUSDT, and so on.

The copied assets (sTokens) could be staked to CEX DABots. At any time, users could redeem (i.e, burn) sTokens at RoboFiTreasury to get back the deposited assets.

RoboFiExchange is the place for users to buy and sell bots's tokens. A DABot usually issues several kinds of staking certificate tokens corresponding to the accepted tokens to stake. These certificate tokens are used to claim stake rewards, and to get back the stake tokens.

RoboFiLending is a decentralized lending platform allowing users to join their favourite DABots community even when they do not have the required assets. Each DABot only accepts certain types of crypto assets (e.g., CAKE, BNB). Some users may not have those assets, but another (e.g., WETH). They do not want to trade WETH for CAKE and BNB. So they could deposit WETH to borrow CAKE and BNB to participate the DABot.

Typically, the value of borrowed assets is less than the value of collateral. This is to ensure the ability of repayment. For example, a user depositing a \$100-worth collateral could only borrow up to \$70-worth asset.

The tight integration among components of the ecosystem enables borrowers to borrow more than the value of their collateral, i.e., leveraged lending. Thanks to leverage lending, users could enjoy more benefits (and of course with higher risk), while lenders' funds are still being protected.

RoboFiGame are decentralized lucky draw games reserved for DABots' managers - who own the governing tokens of DABots.

There are two kinds of game:

- Lucky draw among managers within a DABot, and
- Lucky draw among managers of many bots.

The fund to join the games are taken from the governance rewards (i.e., rewards for governing tokens' holders). By this way, users do not need to pay any extra to enjoy the game. Additionally, users' funds are protected so that they won't lose their assets (and rewards) to gamble.

RoboFiEarn acts like the bank saving interests. Users deposit their assets and receive stable interest no matter the volatility of the market.

In short, users of the RoboFi ecosystem could enjoy the following products and get benefits depend on their tastes of risks:

- Stake regular crypto assets to DEX-based or farming DABots to get staking rewards: higher ROI, but also high risk due to trading lost.
- Convert regular crypto assets to participate CEX DABot (even higher ROI than DEX-based DABots, and also higher risk).
- Purchase DABots' governing tokens to enjoy rewards: lower ROI but risk free.
- Activate leverage lending to boost up staking rewards (also ROI) at even higher risk.

2.2 User stories

This section presents some user stories that demonstrate the usability of the RoboFi ecosystem

RoboFiWallet

Alice is a crypto holder. She wants to earn profits from the crypto markets (also from equity and/or Forex markets). She opens a decentralized wallet at the RoboFiWallet. Alice still keeps her private key/mnemonic phrase. Thanks to the RoboFiWallet, Alice could access all services provided by the RoboFi ecosystem.

The current portfolio of Alice includes USDT and BTC. These assets are all supported by RoboFiWallet.

RoboFiStore

Alice browses the RoboFiStore. From the RoboFiStore, Alice could find following information for each DABot:

- Short introduction about the strategy of the bot,
- List of crypto assets accepted for staking,
- Maximum stake cap per each asset,
- Bot's performance on daily, weekly and monthly basics
- And so on

Alice decides to stakes on the follow DABots:

- SilkBot that accepts only sUSDT. This bot earns profits by trading on CEX Spot and Future.
- PanBot that accepts BNB and BUSD. This bot earns profits by trading on DEX such as Pancake.
- FarmBot that accepts BNB, CAKE, and USDT (BEP20). This bot earns profits by yield farming from swapping pools of Pancake, Alpha.Finance.

Given Alice's portfolio, she could immediately stake USDT to FarmBot to enjoy profits. For SilkBot and PanBot, she could not join due to lacking accepted crypto assets.

RoboFiTreasury

To have sUSDT to stake on SilkBot, Alice activates the swapping function of RoboFiTreasury (via her RoboFiWallet) to convert her USDT to sUSDT. The conversion is 1:1 ratio, in other words Alice will receive 1 sUSDT for every 1 USDT she deposits to RoboFiTreasury.

Now Alice could stake sUSDT to SilkBot to enjoy the bot's profits. The profits of SilkBot are paid in sUSDT. Alice redeems sUSDT at RoboFiTreasury to get back USDT. The redeeming rate is also 1:1.

RoboFiLending

Alice has participated in FarmBot and SilkBot. She still wants to participate in the PanBot. PanBot only accepts BNB and BUSD, but Alice only has USDT and BTC in her portfolio. Alice does want to trade neither her BTC nor USDT for BNB and/or

BUSD. Instead, she deposits her BTC as collateral to RoboFiLending (via her RoboFiWallet, again).

Alice activates the leverage borrowing for staking at RoboFiLending to borrow 100%-worth BNB from her collateral BTC. Notice that regular lending platforms only let their users borrow at most 75% worth of collateral.

Alice stakes her borrowed BNB to PanBot and enjoys the profits.

DABots' certificate tokens

SilkBot, PanBot, and FarmBot are all DABots. Even the ways they use to generate profits from staked assets are different, these bots share many common things.

For every unit of USDT, BNB, and sUSDT staked to FarmBot, PanBot, and SilkBot, Alice receives the same amount of FarmBotUSDT, PanBotBNB, and SilkBotsUDT tokens. These tokens are called stakeholder certificate tokens.

With these tokens, Alice could claim the staking rewards (i.e., profits) from her participating DABots. The rewards are paid in the same staked assets.

DABot's governance tokens

Like Alice, Simon also wants to earn profit from his crypto asset. However he does not like to stake his asset to any DABots because DABots might suffer trading loss due to market fluctuation. Instead, he decides to purchase governance tokens issued by SilkBot.

SilkBot issues governance tokens, namely SilkBotGToken. At the time SilkBot is created, the SilkBot's creator (Shopia) has set the following parameters for the bot:

- Maximum 100k SilkBotGToken, of which 50k belongs to Sophia. These 50k tokens are called founder tokens, and are regulated under certain restrictions (e.g, cannot redeem or transfer) to protect investors on SilkBotGToken. See Section 4 for details.
- Rate for SilkBotGToken is 1 VICS = 1 SilkBotGToken. VICS is the utility token that empowers the operation of the entire ecosystem. DABots only accept VICS tokens to buy governance tokens.
- Commission fee to 1%, which is the fee users have to pay when buying SilkBotGToken from the bot.

Simon spends 50k VICS to buy SilkBotGToken. The amount he receives is: $50k * 0.99 = 49.5k$ SilkGBotToken. The commission fee is $0.01 * 50k = 500$ VICS, of which 300 VICS (60%) will be shared for current holders of SilkBotGToken, and 200 VICS (40% ²) are for ecosystem operators.

SilkBot generates 1000 sUSDT profit. Of which, 60% is proportionally shared to stake users, called *staking rewards*. 30% is for operation cost (e.g., cost for traders), and 10% is awarded for SilkGBotToken holders, called *governance rewards*. Hence, Simon earns $1000 * 10% * (49.5k / 100k) = \61.875 -worth VICS tokens.

Governance rewards are paid in VICS tokens.

At any time, Simon can redeem his SilkBotGToken to get back VICS.

Notice that the above numbers are for illustrative purposes and are subject to change during implementation without any further notice.

RoboFiExchange

Charlie has an impression on the performance of SilkBot. He wants to buy SilkBotGToken. However, most SilkBotGTokens are sold out, hence he could not buy them from SilkBot. So, Charlie browses the RoboFiExchange to see if someone sells SilkBotGToken. Unluckily, no one is selling SilkBotGToken. He then creates a buy-post denoting he wants to buy 40k SilkBotGToken at a rate 1.2 VICS each.

Simon navigates the RoboFiExchange and finds Charlie's buy-post. He decides to sell 20k SilkBotGToken to Simon.

At that time, Sophia owns 50k SilkBotGToken, Simon owns 29.5k SilkBotGToken, and Charlie owns 20k SilkBotGToken.

RoboFiGame

Sophia, Simon, and Charlie are the “managers” of SilkBot. They decide to turn on the Game in their SilkBot. In the Game mode, 10% of the governance rewards are the prize for a lucky draw. The Game service will generate a verifiable random number to determine who the winner (among bot managers) is. The winner will take the prize.

The game will be conducted each time profits are added

3.0 Liquidity Mining and Staking

Liquidity mining is to encourage users to stake their VICS and get rewards in VICS.

Staking provides users of the RoboFi ecosystem extra rewards. By staking VICS users can get rewards in VICS.

For both liquidity mining and staking, users' assets will be locked for fixed periods. The reward ratio (APY) will be detailed when the liquidity mining and staking program starts.

4.0 Token Economy

4.1 RoboFi token (VICS)

The RoboFi blockchain-based ecosystem is built upon Smart Contracts and fuelled by VICS token. Users can use the VICS token to buy the governance shares of DAO bots, which will give them the ability to control various aspects of the bots.

4.2 VICS Usage

- **VICS Token:** To buy governance shares of bots. Default token for all bots to accept.
- **Staking:** Users can stake in RoboFi and earn passive income.
- **Payment:** Buying the trading signals and other bots on the marketplace.
- **IBO Participation:** Each bots will go through IBO and users can be the part of IBO.
- **Governance Shares Purchase:** Those who failed to be in IBO but would like to be the governance of the bots, still can purchase governance shares in internal exchange using VICS.
- **Much More:** In the future, many services will be available with VICS.

5.0 Roadmap

Q1 2021

- RoboFi project kick-off
- Prepare Whitepaper
- Private Token Sales

Q2 2021

- Release Litepaper in public
- Release the website in public
- Listing on DEX
- Public presales and IDO
- Community building
- Start system design
- RoboFiWallet
- RoboFiTreasury: support BUSD (BEP20), USDT (BEP20)

Q3 2021

- Listing on Coingecko
- Listing on Coinmarket Cap
- RoboFiStore and DABots IBO, stake, voting
- RoboFiTreasury: support BNB

Q4 2021

- RoboFiWallet: convert ERC20 from/to BEP20
- CEX DABot reward, voting, fund management
- Launch app on mainnet
- On boarding CEX bot creators

Q1 2022

- On boarding institutional users for CEX DABot
- DABots: DEX bots, Farming bots
- On boarding DEX bot creators
- RoboFiGame

Q2 2022

And much more...

6.0 Disclaimer

RoboFi Lite Paper is for information purposes only. The information contained herein is subject to change and does not guarantee the accuracy of or the conclusions reached in this White Paper. The guidance outlined in this White Paper is for informational purposes only. It is non-exhaustive and does not represent contractual obligations between any parties. All tokens discussed in this White Paper and on all other communications media are unintended to constitute securities in any jurisdiction. This White Paper does not constitute a prospectus or offer document of any sort, and is not intended to constitute an offer of securities or a solicitation for investments in securities in any jurisdiction. The contents of this White Paper are not a financial promotion. Therefore, none of the contents of this White Paper serves as an invitation or inducement to engage in any sort of investment activity. The information contained in this White Paper may be incomplete and in no way implies a contractual relationship. While we make every effort to ensure that all information in this White Paper is accurate and up to date, such material in no way constitutes professional advice. The distributor may be an affiliate of RoboFi Platform. All proceeds of the token sale will be deployed to fund RoboFi crypto currency projects, businesses, and operations. Any agreement between the distributor and purchaser in relation to any sale and purchase of VICS tokens is to be governed by a separate document setting out the terms and conditions ("T&Cs").

RoboFi Platform does not provide any opinion or any advice to purchase, sell, or otherwise transact with VICS tokens and the fact of presentation of this White Paper shall not form the basis of, or be relied upon in connection with, any contract or investment decision. Token Purchase is an unregulated fundraising operation. It poses several risks to buyers that of losing all amounts traded for VICS tokens. You acknowledge and agree that there are risks associated with purchasing, holding, and using VICS tokens. By purchasing VICS tokens, you expressly acknowledge and assume these risks. You acknowledge that VICS token is not a security, will not give dividends, and will not give the same privileges as shares in the company. In the event of any inconsistencies between the T&Cs and the White Paper, the former shall prevail. In no event will RoboFi or its affiliates be liable to any person or entity for any damages, losses, liabilities, costs or expenses of any kind, whether direct or indirect, consequential, compensatory, incidental, actual, exemplary, punitive or special for the use of, reference to, or reliance on this White Paper or any of the content contained herein, including, without limitation, any loss of business, revenues, profits, data, use, goodwill or other intangible losses.

Risk Statement & Uncertainties

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