



The Future of Finance Platform

WHITE PAPER

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ARIES FINANCIAL is an all-encompassing financial platform designed to minimize risk and maximize returns for its users by leveraging novel DeFi technology. ARIES was conceptualized as “The future of finance” or “Bank of the future”.

ARIES platform consists of a UI to access multiple smart-contract applications that facilitate LP_token farm, stable coin yields, staking pools, fast options trading (Binary Options), referral trees and more. ARIES business logic is continually updated by Christies Sg PTE software development vehicle with a view to handing over ownership to a decentralized organisation mediated through the ownership of the ARIES platform governance token AFIB.

AFIB is obtained through yield farming. ARIES FINANCIAL did not raise funds through an ICO, private sale or offering.

1. Introduction

1-1 What is “DeFi”?

Decentralized Finance, (DeFi) is a highly transparent, open, peer-to-peer financial system that allows anyone to participate. DeFi consists of applications for lending, borrowing, asset exchange and “mining” built with open source programming. It enables anyone in the world with an internet connection to participate and achieves a substantial reduction in handling fees and charges while achieving higher interest rates and fairness. It provides a way for those without access to traditional financial services access to financial services. Most DeFi applications use the Ethereum blockchain, combining smart contracts to realize the functions of decentralized lending and asset exchange.

1-2 What are smart contracts?

At the most basic level, a smart contract is an electronic contract that executes its terms according to a pre-programmed set of conditions. For example, If Alice wants to establish a fund and pay Bob \$100 at the beginning of each month for the next 12 months, then she can write a smart contract with the following logic:

- Check current date
- Transfer \$100 to Bob at the beginning of each month
- Repeat for 12 months

By using a smart contract, Alice avoids the cost of relying on trusted intermediaries such as a trust fund manager, escrow agents etc. And Bob can read the smart contract and be assured that he will be paid on time according to its terms. Smart contract logic consists of IF statements and THEN statements. IF conditions are met THEN execute programmed operation. When multiple smart contracts are combined with a front end application for interacting with them, this is called a decentralized application or “DAPP”. (*Source: Coingecko.com “How to DeFi”)

1-3 ARIES FINANCIAL

”New Financial System - Neo-Fi”

Our goal is to provide banking and securities services in a decentralized and community-driven manner. As long as you have a smartphone and an internet connection you will be able to connect to and use locally, the financial services our platform provides. This is what we mean by “Future of Banking”.

Currently, centralized financial institutions provide basic functions; Deposit, withdraw, remittance, lending and investing, and payments. But the “New banking” we aim to provide removes the need for these centralized entities while providing even more advanced features.

In many parts of the world the financial system is controlled by corrupt governments without regard

for human rights and freedom. Our platform is completely open and impossible to censor or shut down. Our easy-to-use platform provides basic financial services required for everyday life regardless of geographical or national restrictions.

Among the crypto assets, demand for stablecoins, which mitigate the volatility of traditional crypto assets, is increasing. ARIES FINANCIAL is developing protocols that generate stablecoin yields for users in a sustainable and secure way so that users can use them in a way very similar to traditional currency. We believe this is a trend and not a momentary fad, and this trend will mean the use of stablecoins will become more and more common.

Through constantly switching DeFi platforms, active users or “yield farmers” search for better returns for their deposits. ARIES FINANCIAL is a further enhancement of the DeFi ecosystem that will attract those investors.

2. The Problem with Centralized Exchanges

2-1 Traditional Banking

Traditional banks are unwieldy financial institutions that facilitate payments, take deposits and provide credit to individuals, businesses, other financial institutions and even governments. The market value of the top 10 banks is close to 2 Trillion US dollars. In contrast to this, The market value of the entire cryptocurrency market is estimated to be approximately 200 Billion US dollars.

The world relies on banks to provide remittance services, credit services etc. But because banks are centralized entities run by human beings, they are prone to human error, excess cost and corrupt practices. The 2008 financial crisis exposed the shortcomings of the banking system when excessive risk taking by bankers forced governments to provide large-scale financial bailouts to the banks.

Even now, undesirable occurrences such as data loss, personal information leaks and account hacking still occur all too frequently. Central banks are attempting to digitize their banking system. For example, the digital Yuan (CBDC) initiative by China. But because these digital currencies are still managed by centralized entities (The central banks) They will inevitably lead to bias and censorship of financial transactions.

2-2 Centralized Crypto Asset Exchanges

In the early days of cryptocurrency, a cryptocurrency exchange was set up to trade Bitcoin called MtGOX. Unfortunately that exchange’s management direction differed somewhat from the ideals of transparency and responsibility expected of exchanges, leading to the loss of user funds, bankruptcy and the absconding of management. Centralized exchanges set up to trade crypto assets are unable to solve the problems of transparency, fairness and deposit risk.

2-3 Aries Financial platform solutions

ARIES FINANCIAL utilizes smart contracts to solve the problem of transparency, fairness and deposit risk. The DeFi smart contract ensures that everyone is treated fairly and not censored.

- Transparency - The financial instruments are encoded in smart contracts which can be examined by anyone for their expected functions.
- Fairness - The interest rate or yield is calculated for each blockchain block (15 seconds) instead of once a month and can be instantly withdrawn to the users wallet at any time without impediment.
- Deposit risk - Users funds are always under the control of their private wallet. The funds are securely interacting with a smart contract and cannot be accessed by the Aries Financial team.

The following (*Figure 1) compares traditional cryptocurrency exchanges (CeFi) and Aries Financial platform defined as DeFi. ([*Figure 1.](#))

	CeFi	DeFi
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Interest rates	controlled by the operating entity	lending supply and demand
Frequency	Once a month	Every block (15 sec)
Withdraw	Up to 7 working days	Instant
Management	Custodial (Held by the bank).	Controlled by token holders (user)
Transparency	None	Completely transparent
Security	2FA Whitelisted addresses	Users own private key management
KYC	Required	No Required

3. ARIES FINANCIAL Features

3-1 Farming (V1 / ETH)

Farming pools allow users to get a yield on their stablecoin deposits. The smart contract automatically searches for the highest yields for the pooled stablecoins and increases the total balance of the pool accordingly. When depositing into the farming pools, users receive corresponding receipt tokens (afiUSDT, afiDAI, afiUSDC) which can be returned to the pool to withdraw farming profits minus any withdrawal fees*.

* The stablecoins deposited into the farming pools are divided into “active” and “inactive” funds. When users withdraw deposits that are being used in strategies they will incur a withdrawal fee of 0.5%

In short, the farming pools search for a high return for users deposits and give a return denominated in the deposited stablecoin. A USDC deposit will return interest in USDC.

Example:

- 1) A user deposits USDC into the USDC farming pool and receives afiUSDC to their wallet.
- 2) The USDC pool chooses strategy of USDC dFORCE
- 3) By depositing stablecoins in dFORCE the farming pool can earn DF tokens.
- 4) The strategy sells the obtained DF token on uniswap.
- 5) This action is carried out once per day and the profits are put back into the farming pool.
- 6) When users deposit their afiUSDC back into the pool they receive their original deposits plus the yield from the strategy.

(V2 / BSC)

ARIES FINANCIAL Yield farming V2 is a yield aggregator(Optimisor) compatible with Binance Smart Chain (BSC).

V2 is a LP yield farming platform focused on providing optimal auto-compound interest operations for DeFi users, yield farming through code-audited smart contracts and yield optimization strategies for the best APY.

This yield farming is part of the BSC ecosystem and allows you to earn more LP tokens by depositing them in ARIES FINANCIAL instead of depositing LP tokens in Pancakeswap or other platforms, which is a proof of liquidity for Pankeswap or other platforms.

This will allow you to recover more assets when removing LP tokens with Pancakeswap than when you provide liquidity.

At the same time, the liquidity provided by Pancakeswap can earn commissions.

In addition, the protocol automatically buyback (buyback AFIB tokens) at any time, and the buybacked AFIB tokens are sent to the burn address.

Burn address: 0x00000000000000000000000000000000dEaD

(V3 / Solana)

SOLARIES will bring Uniswap V3(DEX) and TWAMM(Time-Weighted Average Market Maker) into the Solana ecosystem.

Our innovative ARFQ (Automatic Request For Quote) system can leverage Uniswap V3 like AMM and Serum Order Book to front run users' trades as market maker when arbitrage opportunities arise.

Users will also get the best price of both.

On top of that, we will build a Liquidity Mining pool to attract LPs and Launch Pool to attract other projects listing on SOLARIES.

3.2 Staking

(V1 / ETH)

Staking is an incentive mechanism on the ARIES platform in which users can deposit their farming receipts; afiUSDT, afiUSDC etc. Or AFI token; Or AFI/USDC LP tokens from Uniswap exchange and get a return denominated in AFI.

***About afi[Token]**

When depositing stablecoins in the farming pools, users receive a receipt ERC20 token corresponding to the particular stablecoin. Deposit DAI to get afiDAI, deposit USDT to get afiUSDT.

***About LP token**

When providing liquidity to the AFI/USDC pair on uniswap (dex) you will obtain UNIV2 LP tokens which represent your share of pool ownership, ARIES incentivises this action by allowing these LP tokens to be staked to get a return in AFI.

(V2 / BSC)

Staking in V2 is LP_Farm that can be used by providing liquidity to Pancakeswap and Wault.Finance, earning LP_Token and depositing to ARIES FINANCIAL.

Our main feature is the auto-compound interest strategy, which users can take advantage of by depositing LP_Token. This allows users to get auto- interest without the need for complex operations and daily, hourly platform access to harvest and re-deposit. In addition, we recognize that the complicated operation of creating LP_Token is also a barrier for general users to enter DeFi, and we have enhanced the function called Zap that allows you to create LP_Token with one click.

By performing these actions, the user can earn more LP_Token and AFIB tokens.

(V3 / Solana)

Staking (Adding liquidity) in V3 is similar to liquidity mining. The fees are paid out to the liquidity providers according to the percentage of the pools.

3-3 White Label (Fund manager)

Our predecessor is a software development company. By selling the smart contracts we have developed to operators who can operate them, the purchaser can become a fund manager and operate them. Operators can earn money by marketing without hiring developers and developing smart contracts from scratch.

3-4 BinaryOption(BSC)

Very fast options trading is possible through ARIES with contracts of 60 or 240 minutes providing a very fast Binary Options. Because of this, using Ethereum mainnet is not possible due to blocktimes and gas fees. ARIES will use Binance

Smart Chain (BSC) for the Binary Options. Binance Smart Chain (BSC) is 100x faster and the gas fees are stable in the range of a few cents.

There are 2 ways to use the Binary Option:

1 - Better

2 - Pooler

Example: Better predicts the price of ETH or BTC after 60 or 240 minutes, if the Better places 1 BNB on the result and is correct, the Better will receive 1.88 BNB, and the Pooler will lose 1 BNB, and the protocol takes 0.12 BNB as a fee.

If the Better is incorrect, the Better loses their 1 BNB, the Pool will gain 0.88 BNB and the protocol receives 0.12 BNB.

The fees will be placed in an insurance fund for use in the case that the pool funds are insufficient for payouts.

3-6 Debit Card Facility

Our goal is to achieve the “**Future of Banking**”. We will provide all the services currently provided by traditional banking but provided through our decentralized entity. To facilitate payments we will partner with VISA and Mastercard to give users of our platform a debit card service linked to their balances on the ARIES FINANCIAL platform. In addition, this allows payment through Apple Pay and Google Pay. Debit cards are operated by a centralized intermediary but in the near future stablecoins will enable direct mobile point of sale payment facilities enabling full decentralization.

The big feature is that you can spend the interest earned by your LP_Token for stable coins without reducing your principal.

4. SOLARIES

SOLARIES will be a separate platform from ARIES FINANCIAL, which will be built on the Solana blockchain. A major feature is high-speed transactions that take advantage of Solana's characteristics.

4-1 Token Swap

SOLARIES is designed with the ability to list thousands of tokens. Users can swap your tokens with thousands of tokens in an instant. Initially, you need to apply for token listing, but we will move to permissionless.

4-2 Liquidity Pool

Anyone can provide liquidity and earn transaction fees for the percentage of liquidity provided by the user.

4-3 Liquidity Mining

Users can earn ARIES tokens by providing liquidity to the liquidity pool.

This is called "liquidity mining" and aims to incentivize the liquidity providers in the community and attract more liquidity.

4-4 Concentrated Liquidity

In SOLARIES, LP's can concentrate their capital within custom price ranges, can be providing liquidity at desired prices.

4-5 Capital Efficiency

By concentrating your liquidity, LPs can provide the same liquidity depth within specified price ranges while putting far less capital at risk.

4-6 Active Liquidity

Expecting rational LPs to continuously update their price ranges to cover the current market price.

4-7 Range Orders

LPs can deposit a single token in any price range above or below the current price: if the market price enters into their specified range, they sell one asset for another along a smooth curve while earning swap fees in the process.

4-8 FX

SOLARIES offers Forex trading. Specifically, it is a highly transparent transaction because it is an FX transaction that can be traded on-chain.

- Transaction Mining: The user pays a transaction fee for each transaction, but the ARIES token is returned. This ensures initial liquidity and provides incentives for the community. The rate of return will be changed by the DAO community by voting with ARIES tokens.

- DAO: It is a form of community management using ARIES tokens. ARIES tokens can be earned through transaction mining or liquidity mining. This is a whole new economic zone, in the form of DAO with ARIES tokens. Users can vote and offer fee suggestions.

- Revenue Sharing: Users can earn a share of the platform's revenue by staking ARIES tokens. Staking requires a certain number of ARIES tokens to be stakes, but it is done fairly.

5. AFI Token

5-1 AFI Token (V1 / ETH)

The AFI token is used in the ARIES FINANCIAL protocol. It is obtained by pooling stablecoins or tokens, aTokens or Uniswap LP tokens.

AFI Token is an ERC20 token that allows the holder to delegate voting rights to any Ethereum account including their own. No proportion is allocated for pre-sale, pre-mining, ICO or development team. (The investors quota is 22% as outlined below).

5-2 AFIB Token (V2 / BSC / Utility Token)

Burn 8,000,000 AFI tokens and issue 8,000,000 AFIB tokens of the 18,000,000 AFI tokens on ETH. The total number of issued sheets does not change.

AFIB tokens are issued only by liquidity mining and are issued at a rate of 0.4 AFIB tokens / block. V1 AFI tokens can be exchanged for bAFI tokens by using the bridge function in Burger Swap, and bAFI tokens can be swapped to AFIB tokens with PancakeSwap.

5-3 AFIX Token (V2 / BSC / Governance Token)

It can Migrate from AFIB to AFIX at 100: 1 rate. In addition, the migration from AFI / AFIB to AFIX is carried out in a scheme that does not give a large price impact while considering TVL, liquidity (DEX), trading volume (CEX), and price.

ARIES has a feature called Auto-buyback implemented in smart contracts. A certain amount of AFIX tokens will be repurchased at the timing of daily Auto-Compounding interest.

How much AFIX tokens will be buyback is proportional to the amount of TVL.

In other words, it will be possible to calculate how it is to maintain the price based on the number of tokens issued and TVL.

By adjusting migration and Auto-buyback rate, we will systematically maintain and raise the price of AFIX tokens.

Buy-backed AFIX tokens will be burned forever. (AFIX is a deflation type token.)

5-4 ARIES (Solana)

ARIES is a Governance token. Users can earn ARIES through liquidity mining on swap or transaction mining on FX. The ARIES Token is the only token issued on the SOLARIES platform, required to carry out votes and suggestions, and can be stakes to earn a share of the platform's revenue.

5-5 Token Model

Token Name: AFI Token

Token Symbol: AFI

Total Supply: 18,000,000 (8,000,000 AFI was burned)

Network: ETH

Contract Address: 0x68E8A20128e1902C02f533a02eD0cFd8396E3Fbc

Token Name: AFIB Token

Token Symbol: AFIB

Total Supply: 8,000,000 (Issue from burned AFI)

Network: BSC

Contract Address: 0xC6bfcf0469a74b36c070b807162fCbF7B0a1103

Token Name: AFIX Token

Token Symbol: AFIX

Total Supply: 180,000 (Issue from migration at 1:100 rate)

Network: BSC

Contract Address: 0xcf496c03f630c343333a28749a7fc4d589b1137a

Token Name: ARIES Token

Token Symbol: ARIES

Total Supply: 1,000,000

Network : Solana

Total Issue	18,000,000 AFI
Community	14,040,000 AFI (78 %)
Investors & Ambassadors	3,960,000 AFI (22 %)
Total	18,000,000 AFI (100 %)

5-6 Token Distribution

(V1 / ETH)

Through staking and liquidity mining on ARIES FINANCIAL a known amount of AFI token will be issued each month. After 10 years of continued issuance the token adopts a deflationary model. Each month less than 1% of the total supply of AFI will be issued. TVL is related to liquidity, therefore if TVL reduces, the AFI supply will not exceed demand.

(V2 / BSC)

In V2, a new issuance is only supplied into LP_farm to ARIES FINANCIAL, and 0.4 AFIB is newly issued for each block.

(V3 / Polygon)

Starting at 0.01538 ARIES per block. (526 ARIES per day)

6. Community Governance

6-1 Community Governance

The AFIX Token holders have full control of the platform and all the strategies. Token holders who own a certain threshold of tokens have the ability to make proposals and vote on proposals to improve ARIES FINANCIAL. AFIX Token holders can decide the path of development according to

their own ideas.

For traditional financial enterprises this kind of democracy is not feasible. We modernize the token economy allowing holders of AFIX to participate in platform improvements.

ARIES FINANCIAL is a community-driven platform grown and managed by all the AFIX token holders and governed by this decentralized community. AFIX Tokens are distributed through a fixed algorithm. Users holding AFIX Tokens become a part of the ARIES FINANCIAL operations team and vote on proposals to improve the way the platform runs.

ARIES FINANCIAL uses blockchain voting to pass improvement proposals called AIPs (ARIES IMPROVEMENT PROPOSALS) effectively preventing tampering by outside influences and ensuring the voting process is fair.

6-2 Governance

AFIX Token holders have the power to manage the AFIX ecosystem and receive proportional yields from the smart contracts. By staking AFIX Tokens, AFIX Token holders can receive more profit.

7. Security

7-1 Security policy

ARIES FINANCIAL V1 / V2 / (V3) uses audited smart contracts from Yearn.finance for the farming vaults. The open source code is uploaded at github for anyone to check for errors or vulnerabilities. In V2 we have new smart contracts that will only be used after a full audit by third parties.

We understand the risks of smart contracts, not only auditing code, we also deploy online security systems to counter hacker threats. We contract with silicon valley cyber security company ANCHAIN.AI (<https://www.anchain.ai/>) to monitor the user base behavior, wallet addresses, and parse actual transactions through an AI. database. They protect your crypto assets, quantify risks and comply with KYC/AML standards.

It has a blacklist function, which can block access based on wallet address, IP address or computer ID. These lists are to prevent server attacks and money laundering.

ANCHAIN.AI is a risk engine that provides services to more than 100 exchanges in more than 10 countries/regions, and supports more than 10 types of crypto assets such as BTC, ETH, and stable coins. It can identify the main market participants and malicious attackers in the crypto-asset economy, so that we can take action faster, have 24 hours systems monitoring, and protect your assets.

8. Fees

8-1 Transaction Fees

(V1 / ETH)

The deployers of the ARIES FINANCIAL platform will charge a fee of 30% of the profit from liquidity mining. The team will not sell AFI tokens in the market to obtain profit.

(V2 / BSC)

ARIES FINANCIAL V2 fees are the lowest in the industry. This allows users to maximize their profits without hesitation due to high fees.

Control Fee 1.3%~4%

Withdraw Fee 0~0.1%

(V3 / Solana)

SOLARIES takes 0.25% fees from swap.

0.17% is for LP, 0.04% is for Buyback, and 0.04% is for protocol.

9. Plan

8-1 Timeline

2021 Q4 : Launch Uniswap V2 & Staking Pool on Solana

2022 Q1 : Launch Uniswap V3

2022 Q2 : Launch Uniswap TWAMM(Time-Weighted Average Market Maker)

9-2 Future Developments

The limits of stablecoin yield farming:

During 2020 the number of DeFi users increased dramatically, This was caused by macroeconomic factors such as covid pandemic effects and financial policies of central banks. This caused stablecoin yields to increase dramatically.

We believe that yield farming is not a sustainable long term form of asset management. The reward method used by many farms will lead to token inflation. To prevent token inflation ARIES FINANCIAL only uses AFI tokens as “additional rewards” every month. We want users to be able to get yields on their stablecoins in a sustainable way. We will continually update our stablecoin strategies to achieve a higher APY.

10. Company Information

10-1 License

We are a corporate organization and aim to operate in accordance with the laws and regulations of each country. Currently, our company has a MSB License issued by FinCEN. This means that we can officially operate without hesitation even if there are any laws and regulations on DeFi in the future.

10-2 Company

CHRISTIE'S SG PTE. LTD.

9 RAFFLES PLACE #58-26A

REPUBLIC PLAZA SINGAPORE