SAFU LAUNCHER

IDEAS TO IDOs

CONTENTS

ABSTRACT

SAFU Launcher is a fully decentralised platform for Web 3 projects to turn ideas into initial dex offerings (IDOs) and for businesses to access new opportunities with the help of artificial intelligence (AI). SAFU Launcher provides a seamless project launching experience with a secure and successful launch of ERC20 tokens fully on-chain. SAFU Launcher offers configurable tokenomics, facilitates the formation of liquidity pools and integrates robust security measures to protect liquidity tokens.

It features native token vesting to ensure a fair and transparent allocation process and supports staking pools for the launched ERC20 tokens. SAFU Launcher is operable on the Ethereum mainnet and other blockchain networks that support Ethereum standards, amplifying its versatility and accessibility.

SAFU Launcher uses AI to assist projects and investors with ideating, decision-making, and strategy building. It enables projects to tap into the market sentiment, design effective taxation strategies, and determine the ideal timing to introduce liquidity and begin trading. It offers investors early opportunities to invest in IDOs, acquire NFTs, and discover the latest blockchain innovations.

INTRODUCING
SAFU LAUNCHER

Adoption of Web 3 technologies has shown a remarkable resurgence in 2023-24 with crypto and blockchain companies raising 2.4 billion USD in Q1 2024. A prominent and growing area in the Web 3 technology development space is the crypto launchpad or Initial DEX Offering (IDO) platform.

IDO launchpad platforms help emerging blockchain companies kickstart projects, secure funding, and establish market presence. They enable investors to access early-stage projects and make informed investment decisions.

With the ERC20 token standard being the foundation for decentralised applications and tokens, the demand for platforms that facilitate the launch of ERC20 tokens has grown with continuous innovation and expansion within the ecosystem.

A significant presence of ERC20 tokens characterises the current state of the market, and the platforms that enable the creation and launch of projects are leveraging this momentum, offering a range of services from smart contract development and token distribution strategies to fundraising and incubation. However, the existing solutions in this space are identical with similar features, centralisation issues and technical gaps.

SAFU Launcher addresses these gaps with a fully on-chain approach and features designed to improve security, transparency, and efficiency. SAFU Launcher provides a dynamic platform for blockchain projects, featuring customisable tax strategies and liquidity pool creation to support market entry. Its liquidity token locker and token vesting functions enhance security and market value stability. Operating on Ethereum and similar networks, SAFU Launcher uses AI to optimise project launches and support investment decisions.

SAFU Launcher introduces a mechanism, SAFUscore, to promote and incentivise active participation. SAFUscore is also used by SAFU AI to create a more responsive, efficient, and user-centric SAFU ecosystem.

THE SAFU LAUNCHER DIFFERENCE

SAFU Launcher is an advanced launchpad offering an effortless, simple and secure experience for projects and investors. SAFU Launcher is engineered to deliver robust technical performance, higher decentralisation and enhanced security.

Fully On-chain

Some existing products deploy contracts using an address from a centralised server. If malicious actors access it, they could deploy a harmful contract. $SAFU ERC20 is an immutable and open-source EIP-2535 smart contract for secure on-chain token launches and any contract deployed using SAFU Launcher is considered ERC20-SAFU or secure. SAFU Launcher can be incorporated into any decentralised application (dApps) or smart contract to facilitate the secure launch of IDOs.
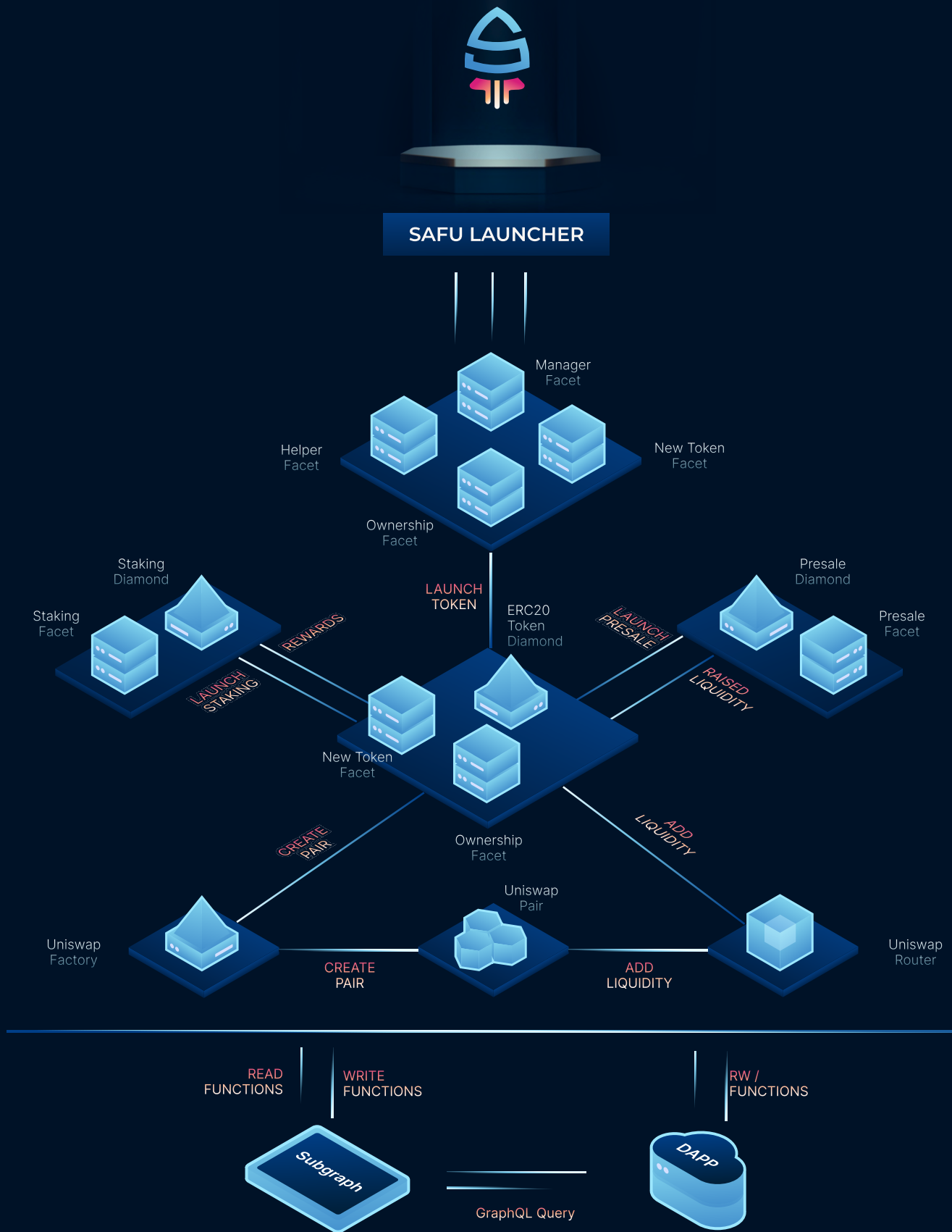
SAFU Launcher Smart Contract

The SAFU Launcher is an EIP-2535 smart contract compliant with the ERC20 standard and extends its capabilities to facilitate the creation of additional ERC20-SAFU tokens. $SAFU tokens can be traded on Uniswap and natively accepted as payment within the SAFU Launcher platform. This eliminates the necessity for external smart contract interactions. $SAFU is burnt when used as payment

to launch a token. ERC20-SAFU tokens can be traded on popular decentralised exchanges such as Uniswap, Sushiswap and PancakeSwap.

SAFU smart contracts emit events indexed by decentralised subgraphs on the Graph Network.

SAFU LAUNCHER ARCHITECTURE

SAFU LAUNCHER

Manager
Facet

Helper
Facet

New Token
Facet

Ownership
Facet

Staking
Diamond

Staking
Facet

LAUNCH
TOKEN

ERC20
Token
Diamond

Presale
Diamond

Presale
Facet

REWARDS

LAUNCH
PRESALE

RAISED
LIQUIDITY

LAUNCH
STAKING

New Token
Facet

CREATE
PAIR

Ownership
Facet

ADD
LIQUIDITY

Uniswap
Factory

Uniswap
Pair

Uniswap
Router

CREATE
PAIR

ADD
LIQUIDITY

READ
FUNCTIONS

WRITE
FUNCTIONS

RW /
FUNCTIONS

Subgraph

DAPP

GraphQL Query

SAFU LIQUIDITY LOCK

When an individual holds liquidity pool (LP) tokens for a pool that includes a token not available outside of that pool - a token initially introduced with the majority of its supply within the pool - they can burn these LP tokens. By doing so, they can acquire all the liquidity from the pool, which leaves the original holder of the now-burned LP tokens without any means to sell them. This malpractice is called a rug pull where liquidity is suddenly withdrawn, leaving other investors at a loss.

To ensure security during a project launch, it is essential to either burn or securely lock the liquidity pool tokens. If the remaining number of days of lock is below 14 days and the team decides against extending the lock or burning the LP tokens, the investors have sufficient time to remove their funds. In SAFU Launcher, locking these tokens does not incur additional costs or hidden transactions, gas fees, or platform charges.

Some platforms permit users to add liquidity, which leaves scope for a malicious user to execute a rug pull. However, SAFU Launcher safeguards a user by limiting the addition of liquidity through a specific smart contract function. This function has a built-in security measure to automatically lock the contributed tokens for at least 30 days. The tokens in the liquidity pool and the newly launched tokens are never directly handed over to the person initiating the IDO, ensuring that the investors' assets remain safu.

SAFU RETRIEVAL

When the token holders wish to retrieve the unlocked LP tokens at the end of their lock period, they must ask the DAO for permission to reclaim the LP tokens. The DAO will consider the token holder's SAFUscore and any community complaints or objections for a stipulated time before granting approvals.

This process of SAFU retrieval acts as protection against rug pull. DAO approval adds a layer of security that secures the integrity of the liquidity pool and the interests of its participants.

SAFU NATIVE TOKEN VESTING

A maximum of 20% of the total token supply may be designated for the team. These tokens undergo a mandatory 30-day cliff period to protect investors, succeeded by an additional 30-day vesting schedule. Team members can claim their vested tokens at any time. This mechanism is integrated into the contract, eliminating additional fees and dependency on external services.

SAFU PRESALE

A presale can be launched for a token and the ETH raised in the presale can be added to its liquidity. The maximum allocation for presale is 10% of the token's supply. A fixed price can be set for the presale along with a softcap. If the softcap is not met within the presale duration, the collected funds are refunded.

SAFU STAKING

The projects can launch their staking pools for the tokens and a percentage of taxation from the tokens is sent to the staking pool. The users can stake their tokens to gain rewards in ETH. The project owner can launch the staking pool from the project's token. Launching a staking pool seamlessly improves the tokenomics of the project.

SAFU CUSTOM TOKENOMICS

When a token debuts on a liquidity pool, early purchasers known as snipers, attempt to acquire it due to the potential for significant returns. The market offers various tools that enable actors to obtain large quantities of these tokens at minimal prices. This practice can lead to inflated costs for subsequent investors and adversely affect the token's market stability due to potential mass sell-offs by the snipers.

To counteract sniping risks, some projects implement a whitelist during the initial launch phase, allowing only pre-selected addresses to make purchases. A blacklist may be employed to prevent certain addresses from engaging in future transactions with the token. However, whitelists inherently introduce a centralised element, potentially granting an unfair advantage to those included. Conversely, blacklists can be exploited by unscrupulous entities to hinder investors from selling their holdings, posing a risk to market integrity.

A strategy to prevent sniping threats is to set temporary transaction and wallet limits, which are lifted once the token achieves stability. A higher tax rate on initial trades or for a set duration serves as a deterrent to sniping by introducing financial consequences.

However, the risk of manual tax adjustments is significant as malicious actors could manipulate the contracts, setting the selling

tax to 100% and creating honeypots. SAFU Launcher employs immutable tax rates to protect launched tokens against sniping where tax parameters are established at launch and cannot be manually altered. For instance, a high tax rate of up to 40% can be set for the initial phase, lasting either one hour or for the first 50 transactions. Once this period concludes, the tax rate automatically reduces to a cap of 6% for all subsequent purchases and sales.

SAFUscore

When users engage in activities such as launching new contracts, adding liquidity, extending the duration of their liquidity lock, burning LP tokens, or promoting certain IDOs, they are awarded a positive score called SAFUscore. The DAO references these scores to allocate voting power and distribute rewards. This mechanism is designed to promote active participation on the platform. It rewards users for taking constructive actions that contribute to the platform's ecosystem, rather than passively earning through staking alone.

SAFUscore is also used by SAFU AI to create a more responsive, efficient, and user-centric platform, aligning incentives and actions with the growth of the $SAFU ecosystem.

SAFU PROMO

A user can promote and advertise a project on SAFU Launcher using the 'promote' function within the SAFU Launcher smart contract. This entails a fee determined by the duration of the project feature. The project appears higher in the list on the SAFU Launcher dApp for the paid duration. The promotion extends to the SAFU Launcher Telegram channel to further highlight the project.

However, a project's eligibility for promotion is decided based on certain conditions - the project's associated liquidity pool tokens must either be burned or have a liquidity lock in place for at least 14 days. This ensures that only tokens with a certain level of commitment and security are promoted, maintaining the integrity of the SAFU Launcher ecosystem.

SAFU LAUNCH MODE

SAFU Launcher has two launch modes - free and paid.

Free

- ✔ 10% of the tax tokens earn in ETH for 1 month from its launch
- ✘ No social plug-ins
- ✘ No promotion of the launch
- ✘ No advertising

Paid

Recommended

- ✔ No tax charges
- ✔ Integrated social channels (X, Telegram, etc.)
- ✔ Tokens promoted on SAFU Launcher dApp list view for a stipulated time
- ✔ Tokens advertised on SAFU Launcher Telegram channel

SAFU AI

SAFU Launcher aims to use AI for idea validation, development, launch, and investment decisions.

SAFU AI will be a comprehensive AI module that will aid SAFU Launcher in making strategic decisions during the critical phases of token creation, launch, trading and investing. It will serve the following functions:

- Identify the most suitable meme or trend that could boost the launch of a new project. Tap into the market sentiment to suggest themes that resonate with the audience, increasing the likelihood of a successful project launch.

- Develop a token's most effective taxation mechanics, ensuring it attracts investors and provides the necessary funds for project development and sustainability.

- Determine the optimal time for liquidity addition critical in maintaining token stability and availability. Recommend the best time to enable trading of the newly launched token to maximise its potential and minimise liquidity risks.

- Assist investors in making investment decisions to maximise the returns on invested funds.

The SAFUscore, which reflects user engagement and contribution will serve as a key data point for SAFU AI to enhance decision-making in several ways:

- SAFU AI can analyse patterns in SAFUscore data to predict future behaviours of users, such as their likelihood to engage in beneficial activities like adding liquidity or promoting tokens. This can provide valuable insights on stealth launches for investors on the likelihood of the tokens reaching the market.

- SAFU AI can tailor recommendations and incentives to users by considering individual SAFUscores.

- Higher SAFUscores indicate more trusted and committed users. SAFU AI uses these scores to assess risk levels for certain actions, like extending liquidity locks, and adjust strategies accordingly.

- SAFU AI can automate and optimise the distribution of rewards by analysing SAFUscores.

SAFU INCUBATE

SAFU DAO will decide on incubating selected dApps. The process of selection will be defined by the DAO. SAFU Incubate will help the projects with the following:

1. Idea screening and refinement

2. Raising investment

3. Software development

4. Auditing

5. Marketing

6. Consulting

TOKENOMICS

$SAFU is designed with a strategic allocation of its total supply to ensure a stable IDO, incentivise the team, and secure long-term viability. The following outlines the tokenomics for the SAFU Launcher ecosystem.

Total Supply

$SAFU has a total supply of 1 billion tokens, ensuring ample availability for circulation and utility within the ecosystem.

Initial Liquidity Provision

At the time of launch, 75% of the total supply - 750 million tokens - is added to the liquidity pool on Uniswap.

Presale

10% of the supply, which is 100 million tokens, is allocated to the Presale. This allocation is vested over a period, ensuring the long-term success of $SAFU.

Team Allocation

10% of the supply, which is 100 million tokens, is allocated to the founding team. This allocation is vested over a period, aligning team incentives with the long-term success of $SAFU.

Treasury Allocation

SAFUTreasury receives 5% of the total supply, equating to 50 million tokens, vested over a period.

Staking Pool

10% of the transaction tax and fees is sent to the SAFU staking pool. The stakers can claim $ETH rewards from the pool.

Launch Fees

The fees paid in $SAFU for launching services are burnt, increasing the token's value over time. The fees paid in Ethereum ($ETH) are sent to the staking pool and SAFUsplitter for further distribution.

Taxation

Each Swap on SAFU/ETH liquidity pool incurs a 5% tax. 10% of the tax is sent to the staking pool and the remaining to SAFUsplitter for fund distribution. Initially, 20% of the splitter's intake is allocated to the treasury and the remaining to the team, strengthening $SAFU's financial foundation.

GOVERNANCE

SAFU Launcher's governance system ensures that SAFU DAO operates with integrity and aligns with the community's interests, promoting a sustainable and scalable ecosystem for SAFU Launcher.

SAFU DAO

SAFU DAO is a decentralised autonomous organisation dedicated to fostering an environment that benefits all participants and stakeholders of the SAFU ecosystem. SAFU DAO uses SAFUscore to allocate voting power and distribute rewards.

The key areas of participation for SAFU DAO include:

1. Contract Decision-Making: SAFU DAO members collectively make decisions on contract updates, protocol amendments, and integration of new features, ensuring that all changes serve the best interest of the community.

2. Treasury Allocation: SAFU Treasury oversees the treasury and makes decisions on development, partnerships, and other strategic initiatives for long-term value creation.

3. Conflict Resolution: SAFU DAO has mechanisms in place for mediating conflicts, whether between token holders, developers, or other stakeholders. SAFU DAO will establish governance protocols for the collective welfare and ensure effective resolutions.

4. Incubation: SAFU DAO will decide on projects to incubate based on the guidelines defined by the DAO.

SAFU Verse

SAFU DAO maintains a collection of NFTs of images, animations and music, available on OpenSea. The NFTs possess unique traits that enhance the holder's voting rights, grant specific powers and offer discounts. For instance, an NFT may provide more voting power to the holder within the DAO, higher decision-making power in SAFU Treasury, or access to exclusive events, based on its specific attributes.

COMMUNITY BUILDING AND ROADMAP

A strong and active community increases the value of the project as more people use and support it. This attracts new users and developers, further expanding the ecosystem. It also provides a robust support system, offering education and assistance to new users, and creates a resilient environment that can adapt and thrive in any given market conditions. The community is also a valuable source of feedback, enabling continuous improvement and refinement of the project.

SAFU Launcher's technical roadmap focuses on building a vibrant and thriving community:

SAFU DAO: Empowering Community Governance

Launch SAFU DAO, as defined in this whitepaper, to increase user participation in protocol decisions and treasury allocation.

Cross-Chain Compatibility: Bridging Networks

SAFU ecosystem enhances interoperability by supporting multiple blockchain networks beyond Ethereum. SAFU Bridge will be deployed on all supported chains to utilise SAFU tokens across chains.

GameFi/DeFi Developer Tools and APIs: Catalysing Innovation

Developer tools and APIs allow third-party developers to build on top of SAFU Launcher. This includes APIs for launching tokens and staking pools, swapping and staking tokens, accessing token data, liquidity metrics from subgraphs, market sentiment AI analysis, and website templates. All the smart contracts are open source and verified. The subgraph project is also open source and available for public access.

Telegram and Discord bots for launching and managing tokens.

NFT Marketplace: Collaboration Across Platforms

Cross-platform NFT (Non-Fungible Token) marketplace within the SAFU ecosystem where users can create, buy, sell, and trade NFTs.

THE END