MATCH TOKEN

Whitepaper

Version 1.2

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What is a MATCH token?

MATCH token is a **utility token for the De-Fi and Decentralized Bet (De-Bet) platforms**. MATCH token is developed by a group of people who want to share the **equal great opportunity** to the holders through a **decentralized network**. MATCH token leverages the decentralized (blockchain) network because it **offers more greatness** compared to a centralized network. They believe as a token, it can be nurtured to become a **priceless token** to the holders while at the same time to be used on an application that **provides secure and transparent transactions on top of a smart contract** designed to get all involved persons to have the same opportunities to grow their accounts.

The decentralized network is selected by the founders because **it allows transactions to be made directly from person to person without the assistance of a third-party.** It dramatically **improves financial efficiency** and allows people to be less reliant on banks or other financial institutions. This can **save a lot of people's money in fees and other costs** associated with third-party involvement as a centralized body.

The founders believe the value of the token can be increased progressively through programs defined in a roadmap to ensure the holders of the token can gain the benefit. Their main vision of the token is to **grow the token's value by using it actively and passively on an ecosystem** which will be elaborated further in this whitepaper.

Where is the MATCH token deployed?

MATCH token is running on top of the **TRON network** which is one of the **largest blockchain-based operating systems in the world**. The token leverages the TRON network because it offers **high-throughout, high-availability, and high-scalability**. Supported by **1,332 nodes across the globe**, TRON can support MATCH tokens in rendering a **swift transaction time with the lowest fees compared to other smart contract networks**, whereas pace is one of the nowadays application requirements. TRON TPS has exceeded the TPS of Bitcoin and Ethereum, which is one of our main reasons for selecting TRON as our main blockchain network.

The **underlying technology architecture** which will be used is the **Smart Contract**. Smart Contract is a computerized transaction protocol that automatically implements its terms. A smart contract is the same as a common contract, they all define the terms and rules related to the participants. Once the contract is started, it can run in the way it is designed.

As documented in **https://tronprotocol.github.io/documentation-en/contracts/contract**, TRON Smart Contract supports Solidity language in (Ethereum). The Current recommended Solidity language version is 0.4.24 ~ 0.4.25. Write a smart contract, then build the smart contract and deploy it to the TRON network. When the smart contract is triggered, the corresponding function will be executed automatically:

1. **constant function and inconstant function**
   There are two types of function according to whether any change will be made to the properties on the chain: constant function and inconstant function Constant function uses view/pure/constant to decorate, will return the result on the node it is called and not be broadcasted in the form of a transaction Inconstant function will be broadcasted in the form of a transaction while being called, the function will change the data on the chain, such as transfer, changing the value of the internal variables of contracts, etc.

2. **message calls**
   Message calls can call the functions of other contracts, also can transfer TRX to the accounts of contract and none-contract. Like the common TRON trigger contract, Message calls have initiator, recipient, data, transfer amount, fees, and return attributes. Every message call can generate a new one recursively. The contract can define the distribution of the remaining energy in the internal message call. If it comes with an OutOfEnergyException in the internal message call, it will return false, but not an error. In the meanwhile, only the gas sent with the internal message call will be consumed, if energy is not specified in call.value(energy), all the remaining energy will be used.

3. **delegate call/call code/library**
   There is a special type of message call, delegate call. The difference with a common message call is the code of the target address will be run in the context of the contract that initiates the call, msg.sender and msg.value remain unchanged. This means a contract can dynamically load code from another address while running. Storage, current address, and balance all point to the contract that initiates the call, only the code is obtained from the address being called. This gives Solidity the ability to achieve the 'lib' function: the reusable code library can be put in the storage of a contract to implement a complex data structure library.

4. **CREATE command**
   This command will create a new contract with a new address. The only difference with Ethereum is the newly generated TRON address used the smart contract creation transaction id and the hash of nonce called combined. Different from Ethereum, the definition of the nonce is the contract sequence number of the creation of the root call. Even there are many CREATE command calls, contract numbers in sequence from 1. Refer

to the source code for more detail. Note: Different from creating a contract by grpc's deploy contract, a contract created by the CREATE command does not store a contract.

5. **built-in function and built-in function attribute** (Since Odyssey-v3.1.1, TVM built-in function is not supported temporarily)

   a. TVM is compatible with solidity language's transfer format, including: accompany with a constructor to call transfer, accompany with internal function to call transfer - use transfer/send/call/callcode/delegatecall to call transfer
   Note: TRON's smart contract is different from TRON's system contract, if the transfer to address does not exist it can not create an account by smart contract transfer.

   b. Different accounts vote for SuperNode (Since Odyssey-v3.1.1, TVM built-in function is not supported temporarily)

   c. SuperNode gets all the reward (Since Odyssey-v3.1.1, TVM built-in function is not supported temporarily)

   d. SuperNode approves or disapproves the proposal (Since Odyssey-v3.1.1, TVM built-in function is not supported temporarily)

   e. SuperNode proposes a proposal (Since Odyssey-v3.1.1, TVM built-in function is not supported temporarily)

   f. SuperNode deletes a proposal (Since Odyssey-v3.1.1, TVM built-in function is not supported temporarily)

   g. TRON byte address converts to solidity address (Since Odyssey-v3.1.1, TVM built-in function is not supported temporarily)

   h. TRON string address converts to solidity address (Since Odyssey-v3.1.1, TVM built-in function is not supported temporarily)

   i. Send token to target address (Since Odyssey-v3.1.1, TVM built-in function is not supported temporarily)

   j. Query token amount of target address (Since Odyssey-v3.1.1, TVM built-in function is not supported temporarily)

   k. Compatible with all the built-in functions of Ethereum

Specifically, the **TRON platform is capable of 2,000 transactions per second (TPS)**. This performance puts TRON (TRX) on par with major payment processors such as PayPal. Best of all, **TRON has near-zero transaction fees**. You can send a million dollars in TRX to anywhere in the world in seconds and with the lowest fee.

To grasp the monumental task TRON's developers seek to take on, it's crucial to understand a little about the decentralized internet. The decentralized internet differs from the internet you are used to in some key ways. Primarily, there are no hosting companies. Instead, the entire internet is run by personal users.

Until recently, the concept of a decentralized web seemed impossible. The computing power of the world was not up to par yet. However, the transparent nature of blockchain networks makes them ideal for just such a task. This is exactly the role TRON seeks to obtain.

How can MATCH token increase its value steadily?

Decentralized Betting (De-Bet) for sports

MATCH token is a token that can only be used actively on a decentralized application (DApp) named De-Bet which is a transparent and trusted sports betting. Moreover, De-Bet is the **first decentralized betting for sports in the TRON network**.

TRON Network's TronBet App Records $41 Million weekly betting volume. TronBet, a decentralized betting platform built on the TRON blockchain, has recorded an all-time high in weekly profits of $41 million since 2019. Therefore, the **transaction speed with huge traffic has been tested in the TRON network** and in accordance with the market requirements and even great, **the betting fee of De-Bet is merely 1%**.
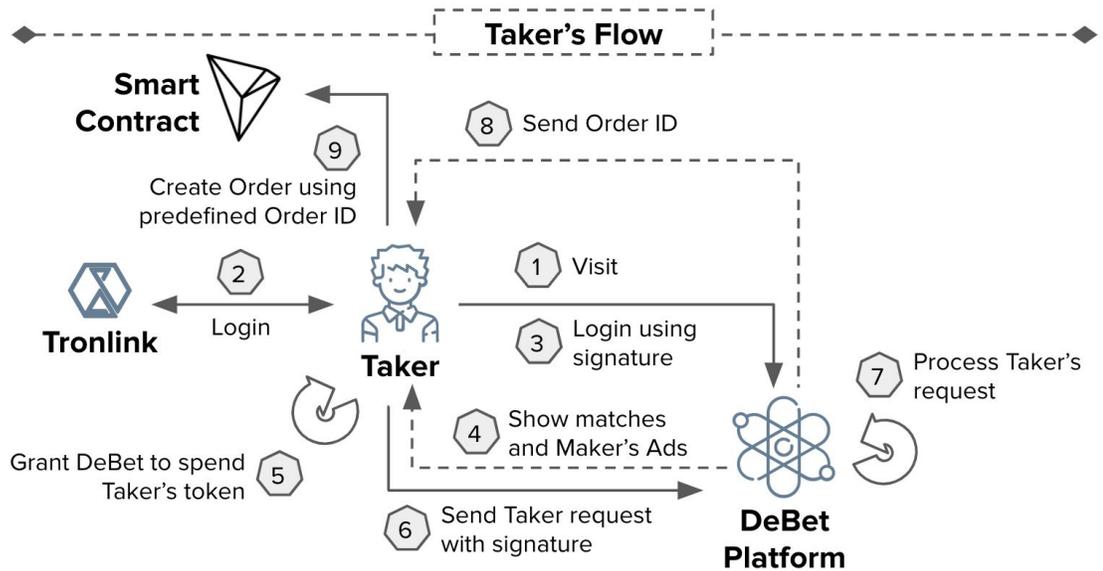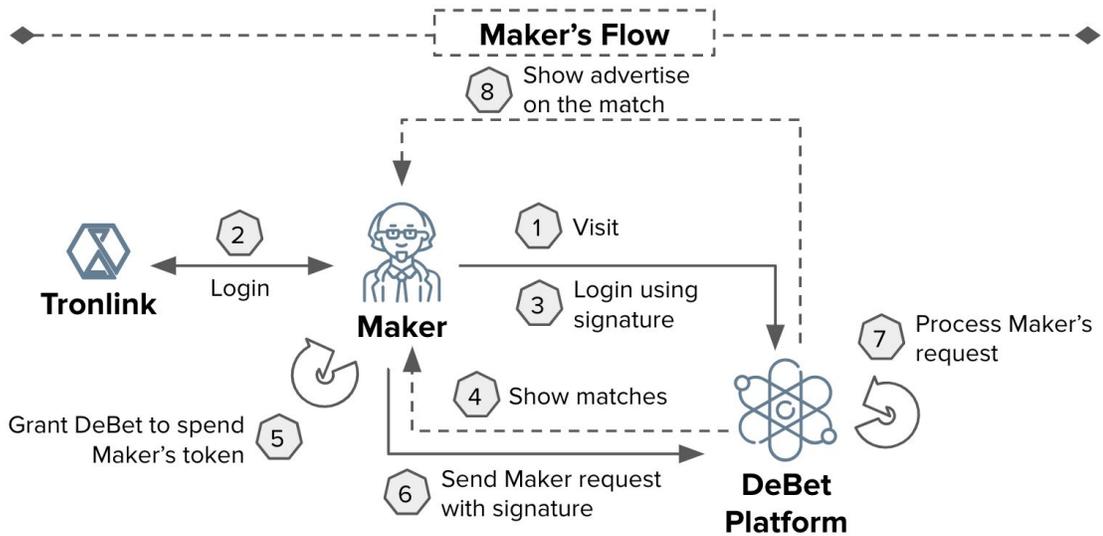
MATCH is developed by a team that believes **fair and transparent betting is imperative in the sports industry**. Therefore, all the benefits of running a service on a blockchain network have attracted us, especially in leveraging Smart Contract to meet the objectives.

De-Bet focuses on User Experience and the Smart Contract technology that can help Makers and Takers to play their own roles without any human's interference, in order to get another **uplifted level of amusement in the betting arena** with the benefit of Blockchain technology.

De-Bet is developed to become a platform that can **benefit all people involved in the process through fair and transparent bettings**. To achieve the goal, a specific roadmap is designed as described below:

- **Phase 1: Decentralized Betting Smart Contract deployed**
  De-Bet will be developed as a platform and as the betting provider (Maker) to facilitate betting takers in giving the opportunity to participate in the betting directly managed by a Smart Contract. By leveraging the decentralized network, the potential **fees are much lower than the conventional betting platform**. Apart from it, the betting will be running on top of Smart Contract which will be triggered **automatically based on match results without any single interference that can alter the end results**.

Maker's Flow

8 — Show advertise on the match

Tronlink

2 — Login

Maker

1 — Visit

3 — Login using signature

4 — Show matches

5 — Grant DeBet to spend Maker's token

6 — Send Maker request with signature

7 — Process Maker's request

DeBet Platform

Taker's Flow

Smart Contract

8 — Send Order ID

9 — Create Order using predefined Order ID

Tronlink

2 — Login

Taker

1 — Visit

3 — Login using signature

4 — Show matches and Maker's Ads

5 — Grant DeBet to spend Taker's token

6 — Send Taker request with signature

7 — Process Taker's request

DeBet Platform

Above flows are developed to provide a transparent experience between the Makers and the Takers. Therefore, the platform can be a good engagement media between them and increase the value of MATCH token as a single payment media.

- **Phase 2: Decentralized Betting for other Providers in Smart Contract deployed**
  As completed its features in Phase 1, the founders will immediately focus on the Phase 2 development to **widen the coverage of the platform by facilitating the other Partners to connect to the developed Smart Contract**. Therefore, it is expected to get the other Partners to apply their bettings and use De-Bet as their platform that can benefit them in terms of speed, cost-effectiveness, and flexibility in managing their bets.

Decentralized Bet (De-Bet) Phase 2
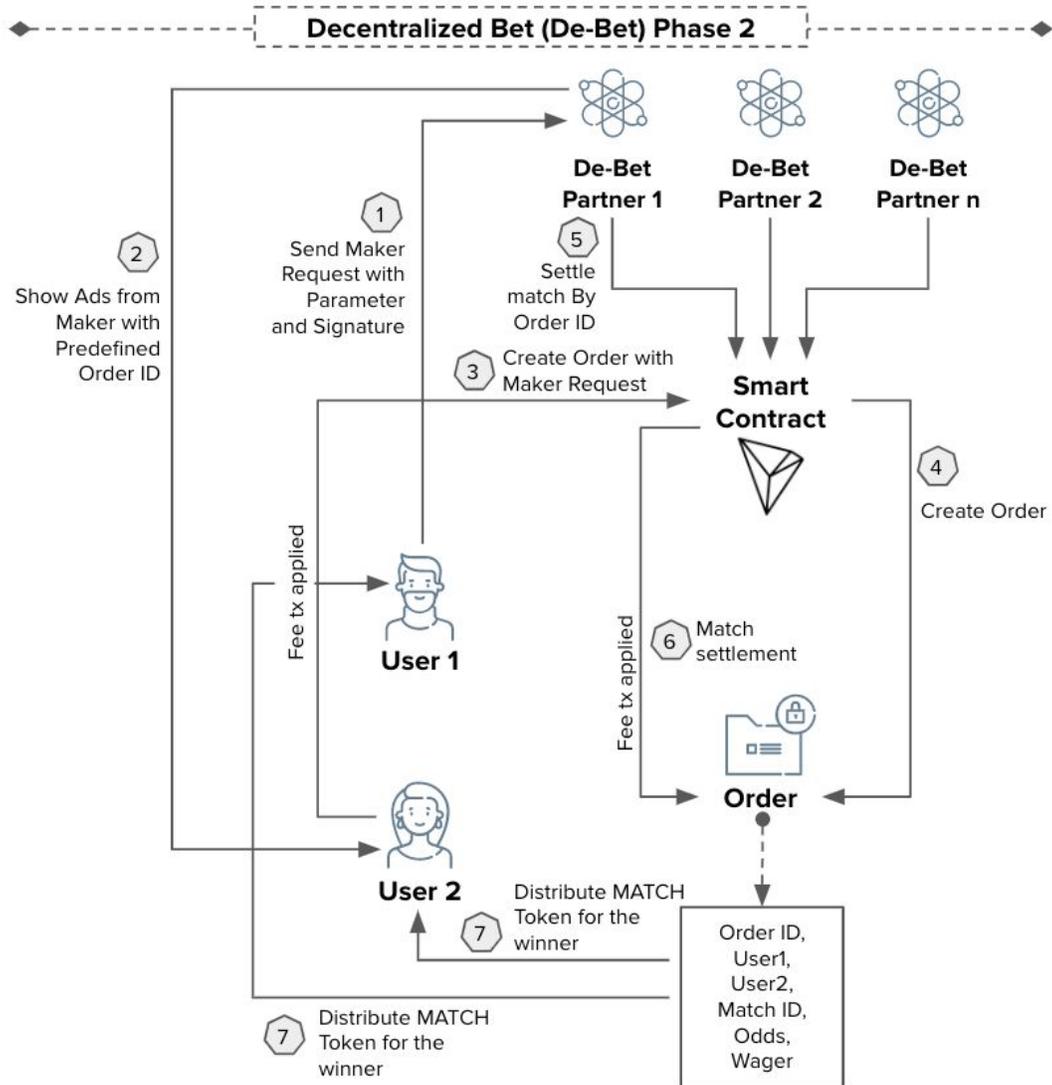
There are **several notes** in relation to the above diagram:

- Maker and Taker **must** approve allowance for their addresses
- Every Partner shall **deposit at least 10,000 MATCH token** on Smart Contract to become a Betting Provider
- Betting Provider is able to **open a betting market** on their site and takes betting fees from players
- All Partners are using the **same Smart Contract** provided by MATCH token team

Liquidity Provider

The other proven way that can be used to grow the holders' account is through a liquidity stake as part of Decentralized Finance which is an ecosystem comprising financial applications that are being developed on top of blockchain systems to apply the **Automatic Market Makers (AMM)** principle. The token holders are encouraged to participate as Liquidity Providers that could earn Swap Fee and MATCH token through mining based on existing APY (Annual Percentage Yield), as further explained below:

- **Swap Fee**
  As a Liquidity Provider, you are eligible to earn a portion of fees from the Liquidity Pool as much as **0.3% from each swap activity** performed in the **justswap.io** platform with respect to pool shares.
- **MATCH token mining**
  By staking your token in the Liquidity Pool, you can be eligible to yield MATCH tokens based on the current APY. The transparent calculation is performed in the background systematically **without any human interference** and **purely mathematical logarithm and financial investment fusion**.
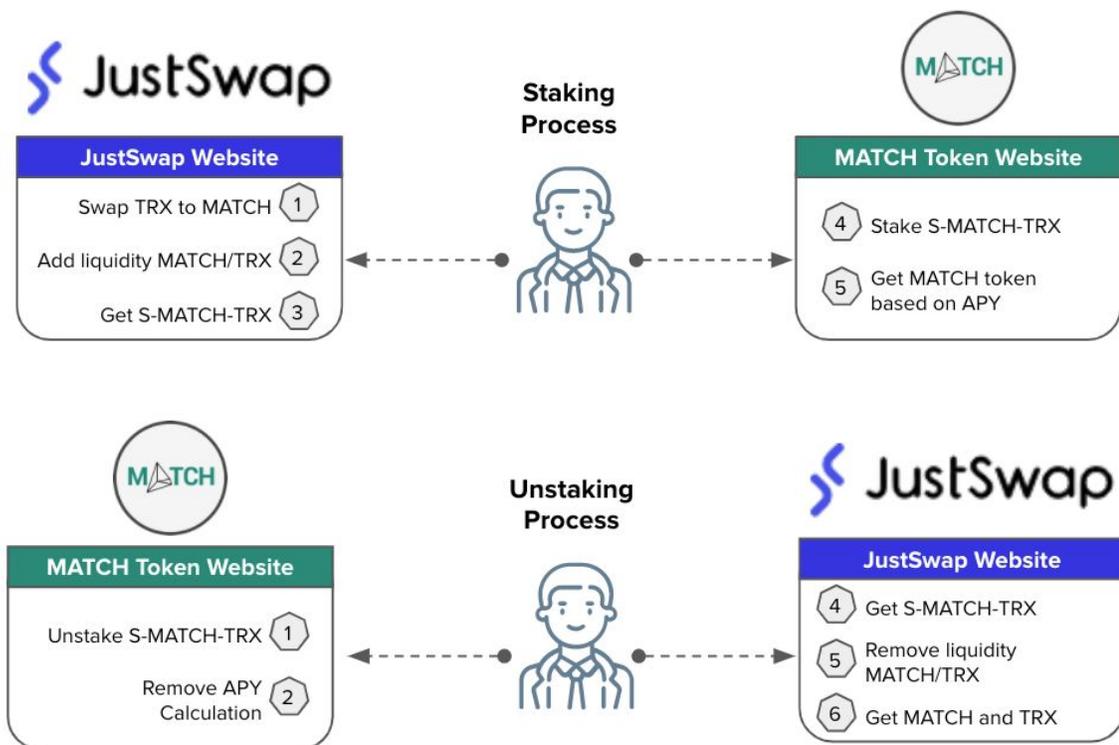
The above diagrams illustrate the staking and unstaking processes which can be performed by the **token holders to grow their balance passively**.

The underlying principle of the MATCH token is trust. Therefore, **the deployed codes are audit subjects to keep the integrity prevail and no hidden processes that can benefit certain people**, even the founders. The audit will be performed by an **accredited body** that reviews our codes thoroughly. The MATCH token team is holding the integrity on top of everything and believes by participating together through a decentralized network which is a permissionless ecosystem, we could gain benefit together as a unity.

MATCH token Liquidity Staking

The staking of MATCH token is completely decentralized via staking based on the Smart Contract. The only way to mine MATCH is to stake TRX or TRC20 Tokens (as the Liquidity Provider).

a. Staking reward
   The mining period of MATCH token is 3 months. The first period of MATCH token staking is scheduled in Q2 2021.

LP Token	MATCH	Period
MATCH/TRX	750,000	At minimum 3 Months

   Related TRC20 token contract address:
   MATCH/TRX: to be informed

b. Staking fairness

   The mining reward will be distributed fairly according to the number of staked TRX over time. All mining rewards are calculated based on the smart contract implementation.

   Formula: (LP Token / Total Staking Reward) x Reward per Second x Staking Time

   LP Token = the staked LP
   Total Staking Reward = the total reward for each period i.e. 750,000 MATCH tokens
   Reward per Second = amount of MATCH token reward per second
   Staking Time = the duration of staking

   Example:

   Total Reward for a period = 750,000 MATCH tokens
   Period = 3 months (90 days or 7,776,000 seconds)
   Reward per Second = 0.09645 MATCH per second (750,000 / 7,776,000)
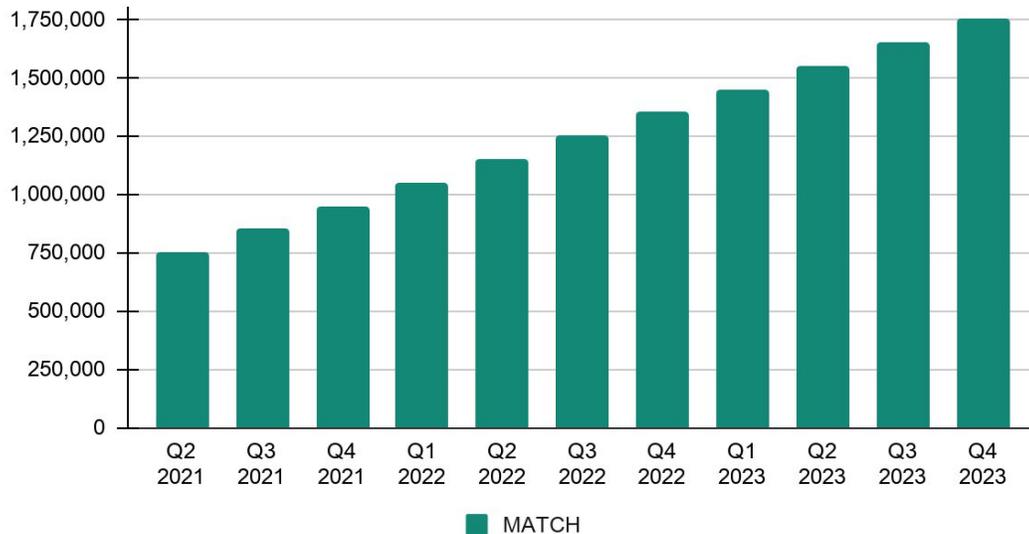   LP Token = 125,500 MATCH/TRX

Staking Time = 5 days (5 x 24 x 60 x 60) = 432,000 seconds

Estimated Earnings = (125,500/750,000) x 0.09645 x 432,000 = 6,972.177590 MATCH

c. Distribution Plan

The LP Staking is distributed to 11 (eleven) periods ending in Q4 2023 with a total of 13,75 Million MATCH.

LP Stacking Distribution Plan

What are the common challenges faced by the token holders?

Token price stability

The fluctuating token price might be benefiting some people. However, the MATCH team believes the steady token price increment can benefit more people in using or investing it. Thus, the **investment can be done actively and passively**, which can give **more options to grow your balance**. As explained above, the designed mechanisms can be opted by the holders to grow their balance. Through given options, the token will be used widely by people and at the same time increase the value and embody stability.

Scammers

Most of the betting platforms offer a service with high fees and might provide the betting with scams. **The MATCH token will be operated on top of a platform that upholds integrity as the main principle in running the business**. Therefore, scamming is not an option and condemned by the founders who promote fairness and transparency in every single process to be offered to the MATCH token holders. The other **assurance** is the **deployed codes are subject to audit** which means our codes will be **audited by an accredited third-party** to ensure no single scamming intention can be done.

The security of the platform

The security of betting processes is questioned as well. By having De-Bet as your main betting platform, it can **reduce your risks in having bets compared to traditional betting platforms**. The **main architecture** used to render the service is the **blockchain** that replicates all the data and with some **specific algorithms to embody a more secure ecosystem**. The **data deployed in the blockchain is immune to the attackers** because it requires a lot of resources to alter the data by giving a higher voting portion in the pool of nodes.

Token development sustainability

A lot of people claimed that they could run their missions as defined in their roadmap. Unfortunately, many of them failed to deliver the programs and run away. Nevertheless, the MATCH team is **transparent and has the integrity to execute their roadmap through clear action plans and committed** to render the pledged services to the token's holders. MATCH token will update the progress of the development periodically to the public through specific media channels. Therefore, the token holders could acknowledge the **progress of the MATCH token** and **get the optimum value of their investments**.

How can you participate and be benefited as initial token holders?
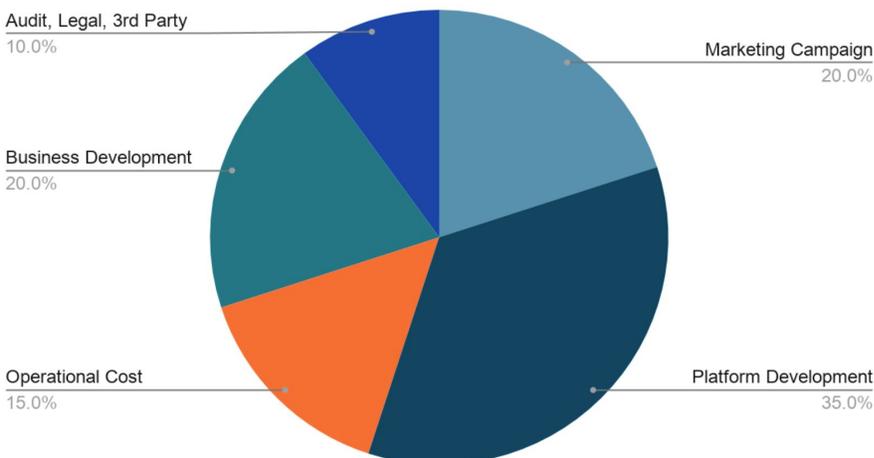
Tokens Distribution

Based on the information provided above, there will be a **soft cap (1,25M)** and a **hard cap (5M)**. Nevertheless, if the hard cap is **achieved**, all plans defined in the roadmap will be **executed timely**.
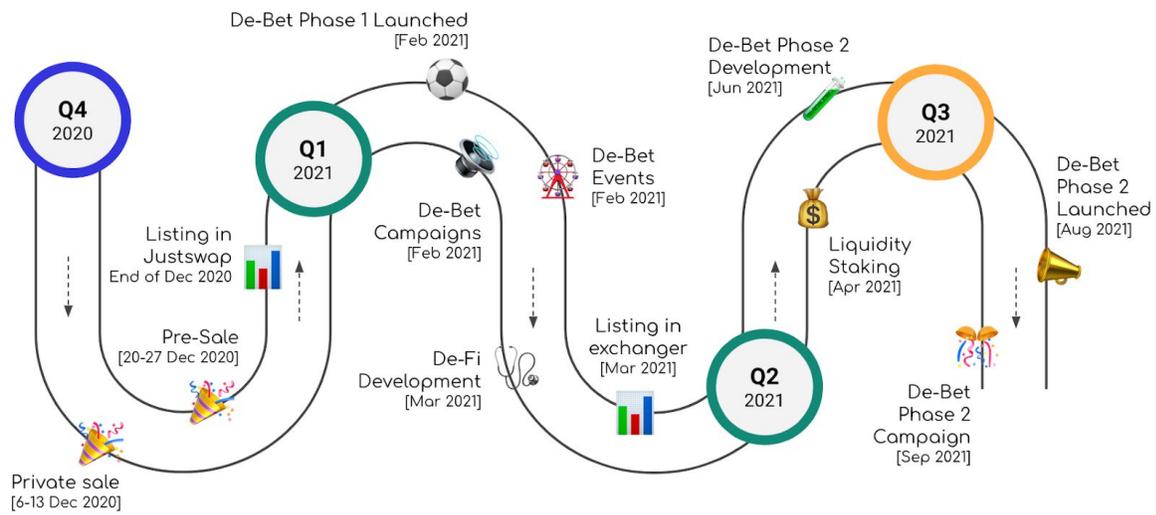
Funds Distribution

The acquired fund will be **allocated to useful channels in developing the platforms**. The sufficient fund will **expedite the execution of the roadmap** to provide an ecosystem that can be used by the MATCH token holders. The allocation of the pre-sale results is depicted clearly through the diagram below.

Pre-Sale Fund Allocation

What's next?

The roadmap is defined to **accelerate the potential of the token distribution** and to **embody the ecosystem which will be used by the token holders**. Thus, the immediate benefit can be acquired as part of their **fruitful investment**.

-==   **END**   ==-