

D-MARKT

DECENTRALIZED MARKETPLACE

WHITEPAPER

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INTRODUCTION

The Cryptocurrency mining market has been attracting the attention of retail clients and institutions for the past few years. Many of these new clients coming from various places across the globe, such as the USA, Russia, China, Switzerland, Germany, Brazil, and others. All these countries have many regulations and always changing policies towards cryptocurrency and cryptocurrency mining. One of the main factors of mining popularity in these places is the electricity price. Electricity price is also ever-changing due to different regulations and other political or non-political reasons. Due to these potential risks, at some point, the equipment might change hands or be sold. How does an individual sell used equipment currently? This process does take risk and effort to complete since this industry doesn't get enough attention from the technology point. None of the hardware is tokenized or accounted for, there is no information about the previous owners of the equipment, nor is there information about how long the machine was used for. These problems present a significant threat to the well-being and performance of the industry on a longer timeframe, and it needs to change.

TABLE OF CONTENTS

Introduction	2
Table of Contents	3
The Market and The Problem	4
The Product and Solution	5
Class Diagram	6
Sequence Diagram	7
Tokenomics	8
Governance	9
Investments Distribution	10
The Roadmap	11

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THE MARKET AND THE PROBLEM

New innovative approaches and solutions for some reasons go around cryptocurrency mining, and this field relatively rarely gets any kind of creative solutions, and it should not be like that. The Blockchain Industry is full of scams, hacks, and is considered a massive problem in the past and currently. The ecosystem for the mining hardware is young and is not developed, and there is no clear path to sell used or old equipment on the market without taking unnecessary risks.

Most participants of the mining industry use channels such as Reddit, Discord, Telegram, Bitcoin, and Cryptocurrency forums like Bitcointalk. These sources are known for countless scams, hacks, and fraud attempts and are not considered a safe environment for deals that might involve significant sums of money.

The market has no verifiable and trustworthy way to transfer the hardware between parties without sacrificing security and protecting the buyer's funds. All these issues prevent such an important sphere of the market from maturing and evolving to accommodate more people and ensure their smooth onboarding.

THE PRODUCT AND THE SOLUTION

Decentralized Hardware Marketplace D-Markt offers a solution to these unique problems. D-Markt consists of a few core features that allow for the approach to work. These features are the

Reputation System, Escrow, and Tokenized Ownership.

Reputation System:

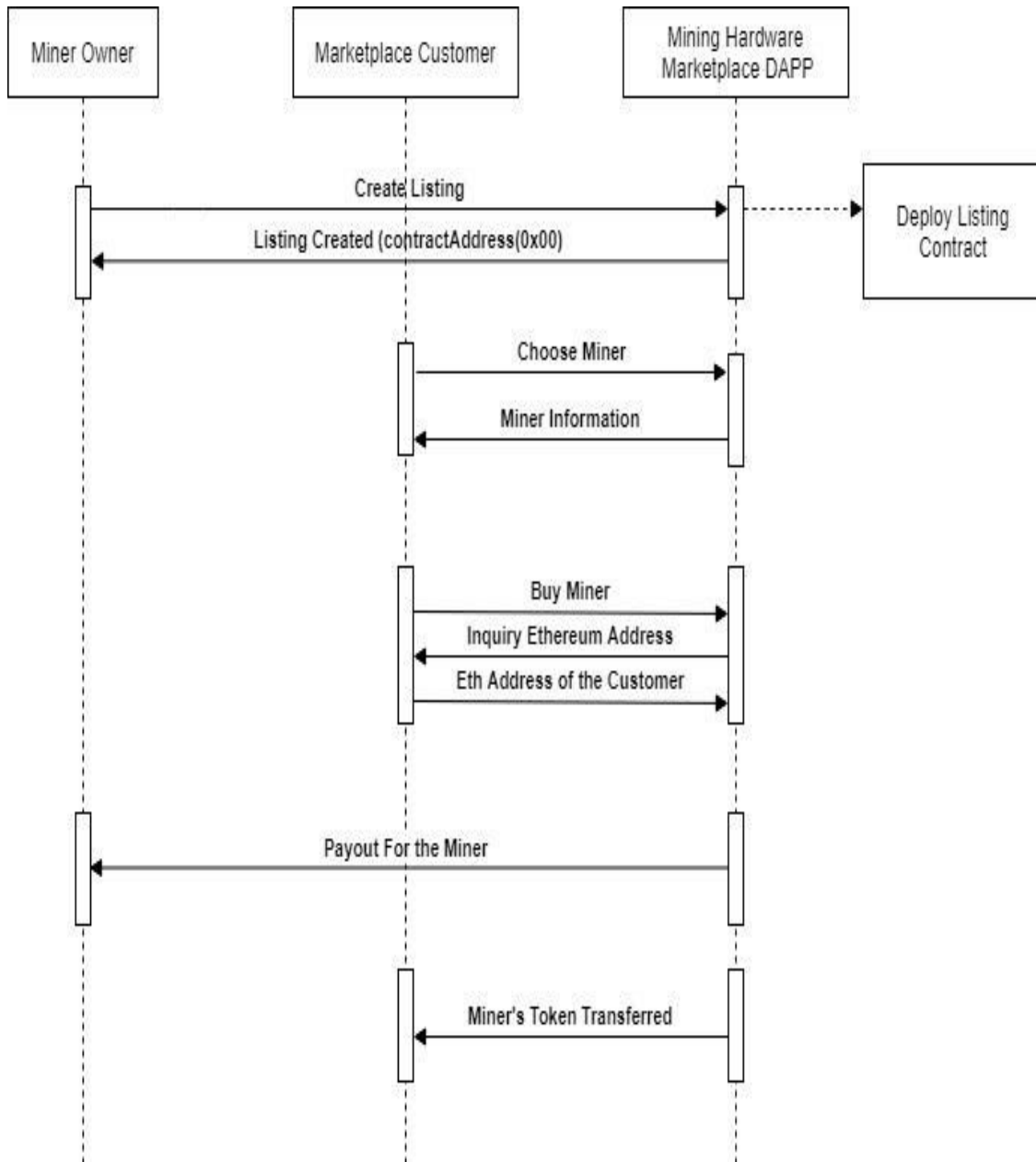
The Reputation System is essential for this solution because it provides transparency and trustworthiness for the sale process of the equipment. Every time someone makes a deal, and it goes as expected, the purchaser can leave some feedback about the deal and rate the transaction. Sellers with a higher reputation enjoy better conversion rates, more sales, and safe experience for the customers.

Escrow:

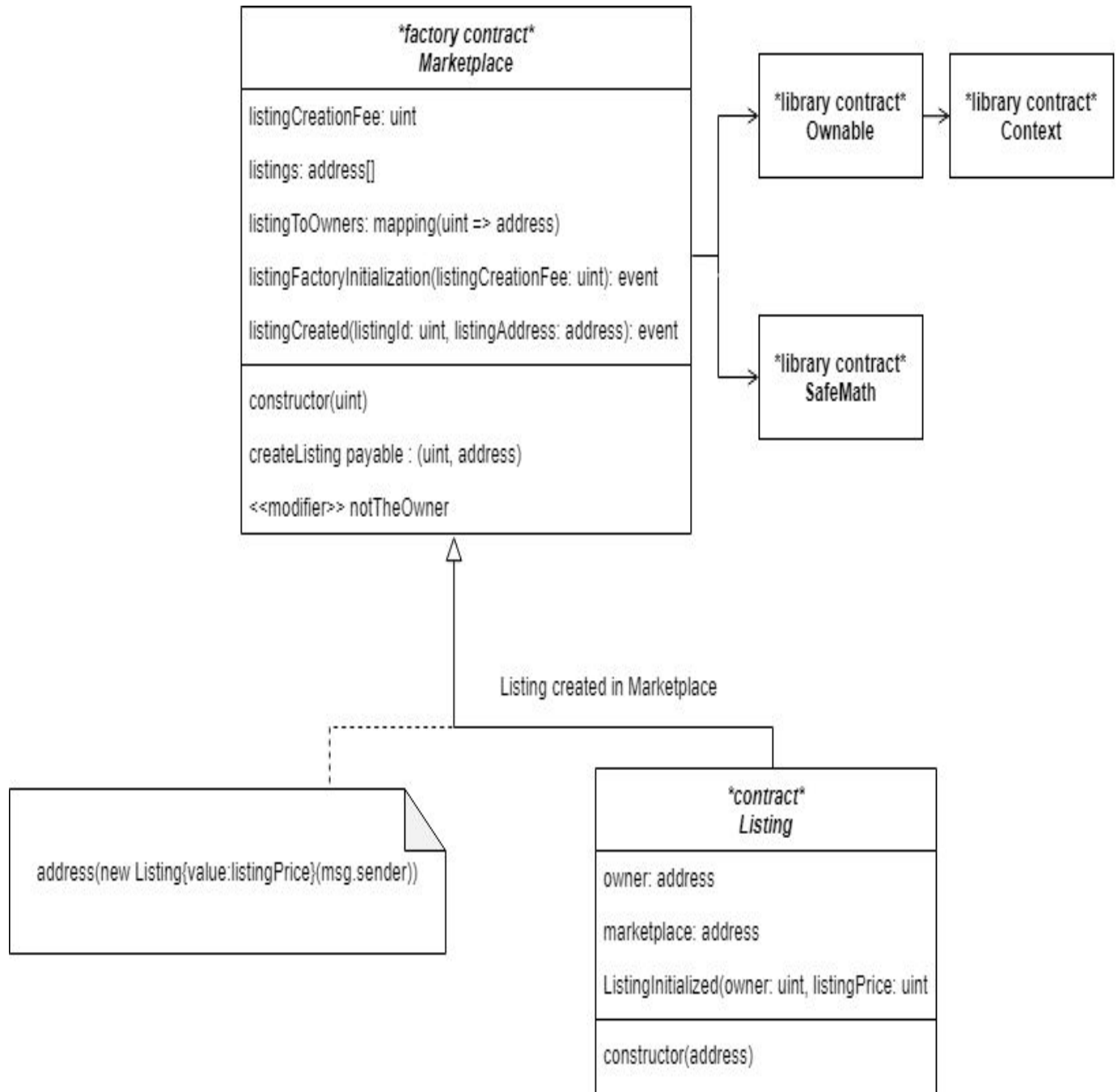
Escrow based on smart contracts integral part of the safe environment D-Markt is trying to build. It usually does not require human interaction and in auto mode where the customer releases the funds once he is satisfied with the purchase. Suppose there is any dispute between the parties. In that case, a judge chosen by the Governance Committee will intervene and resolve the dispute with the principle of not favoring any party over another. The Governance Committee is interested in the neutral stance of the judge and will not act against its interests in the platform.

Tokenized Ownership: Tokenized Ownership grants more history to the hardware as it allows for the customer to know exactly when it was produced how long it has been in the exploitation and other relevant information.

CLASS DIAGRAM



SEQUENCE DIAGRAM



TOKENOMICS

DISCLAIMER: This section is linked to the Governance Section. Proceed to the Governance to understand it completely.

The only tokens that will be minted by D-Markt are:

1. ERC-721 Tokens to tokenize the equipment to allow the proposed Tokenized Ownership Solution.
2. The Governance Token to represent shares of individuals/entities in the governing committee and distribution of the profits of D-Markt.

The ERC-721 Tokenized Ownership is used only when hardware listing has been created and added to the platform to represent the hardware on-chain and its availability on the chain to interact with the smart contracts as a proof of ownership, history of owners, etc.

The Governance Token is a decentralized representation of the shares of the company and can be treated as such. Every individual/organization that holds Governance Tokens are considered shareholders and have all the rights awarded to the shareholders of D-Markt.

The Governance token is ERC-20 Token and more information about it available on the next page.

The Tokens will be minted according to the Roadmap and the supply will never be changed unless all the shareholders agree to change the supply and dilute their shares.

There is no mining of the Governance Tokens possible.

GOVERNANCE

Governance is tightly linked to the tokenomics of the project. The Governance on the platform works exactly as DAO – Decentralized Autonomous Organization, an organization where all the rules and rights of the shareholders are encoded into the smart contract and available to every shareholder equally.

The Governance Token will be minted as ERC-20 Token in the quantity of **100,000 Tokens**, where every **1000 Tokens** represent **1%** of the total share of D-Markt and grants rights to participate in the governing process of the ecosystem. The token grants rights to receive dividends from the “D-Markt Listing Fee” smart contract whenever the committee decided to distribute dividends.

Shareholders can determine the path for the platform to follow and all the relevant actions it can take to ensure it's developed according to the wishes of the committee.

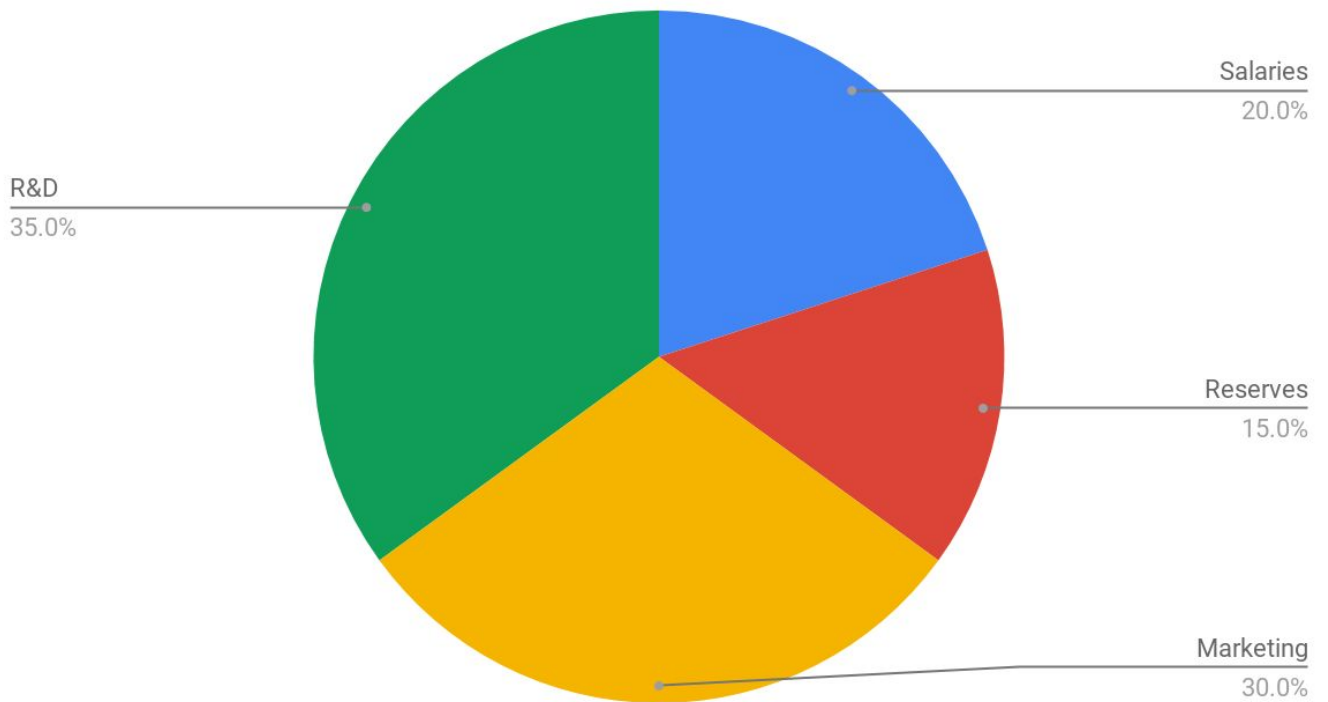
Shareholders are allowed to transfer, swap, exchange, sell their Governance Tokens at all times without any token locked time periods or penalties.

The Blockchain makes it all possible due to its flexible nature. There is no need to limit shareholders to any kind of rules they are not willing to follow since the rules are programmed to the smart-contract and The Blockchain will follow it.

DISTRIBUTION OF INVESTMENTS

The Platform is seeking \$500.000 investment to fuel its operations. The raised funds will be distributed according to the chart below.

Funds Distribution



THE ROADMAP

The roadmap consists of **5 Steps**, and the steps are the following:

1. **Finalization of the architecture** – When all the processes are polished and prepared for the production environment. Everything is clearly defined and the test.
2. **Development of MVP** – Minimum viable product developed, tested, launched, and presented to the public.
3. **Launch of Beta and Initiative Program** – Beta version of the platform launched for the selected pool of people to test and debug. Initiative Program for early participants announced.
4. **Full platform launch** – After testing and debugging platform is ready to be launched and accommodate everyone willing to participate. The platform officially launched.
5. **Governance Token Release** – The Governance Token developed, tested, and launched, all the platform participants have access to governing the direction of the development.