

WHITEPAPER



REDUCE, REUSE, RECYCLE

Introduction

Denarius is an organisation that strives to make world better place by educating people about waste disposal.

Waste disposal is a critical issue facing societies around the world. When waste is not properly disposed of, it can lead to a variety of negative consequences such as pollution, health hazards, and the destruction of natural habitats. Fortunately, there are several steps that can be taken to improve waste disposal and make the world a better place.

One important step in improving waste disposal is to increase recycling and composting, but in order to recycle, the waste needs to be picked up first and put to the trash. This can be done by educating the public about the importance of these practices. Since governments are not taking any action on this issue we decided to form an organisation for educating people about waste disposal and recycling of waste.



Introduction

We also believe that another important step in improving waste disposal is to reduce the amount of waste that is produced in the first place. This can be done by promoting sustainable consumption, such as encouraging the use of reusable shopping bags, water bottles, and other items. Governments can also encourage reduction in waste by imposing taxes on single-use items, such as plastic bags.



Incineration and landfilling are two of the traditional methods for waste disposal, but both have their own drawbacks: Incineration is a costly process, also it could produce air pollution by releasing harmful chemicals and particle emissions, landfilling could cause groundwater pollution and other ecological hazards. Therefore it's important to look for alternative waste treatment methods. Anaerobic digestion, which uses microorganisms to break down organic matter, is an example of such a method that could be considered as an alternative.

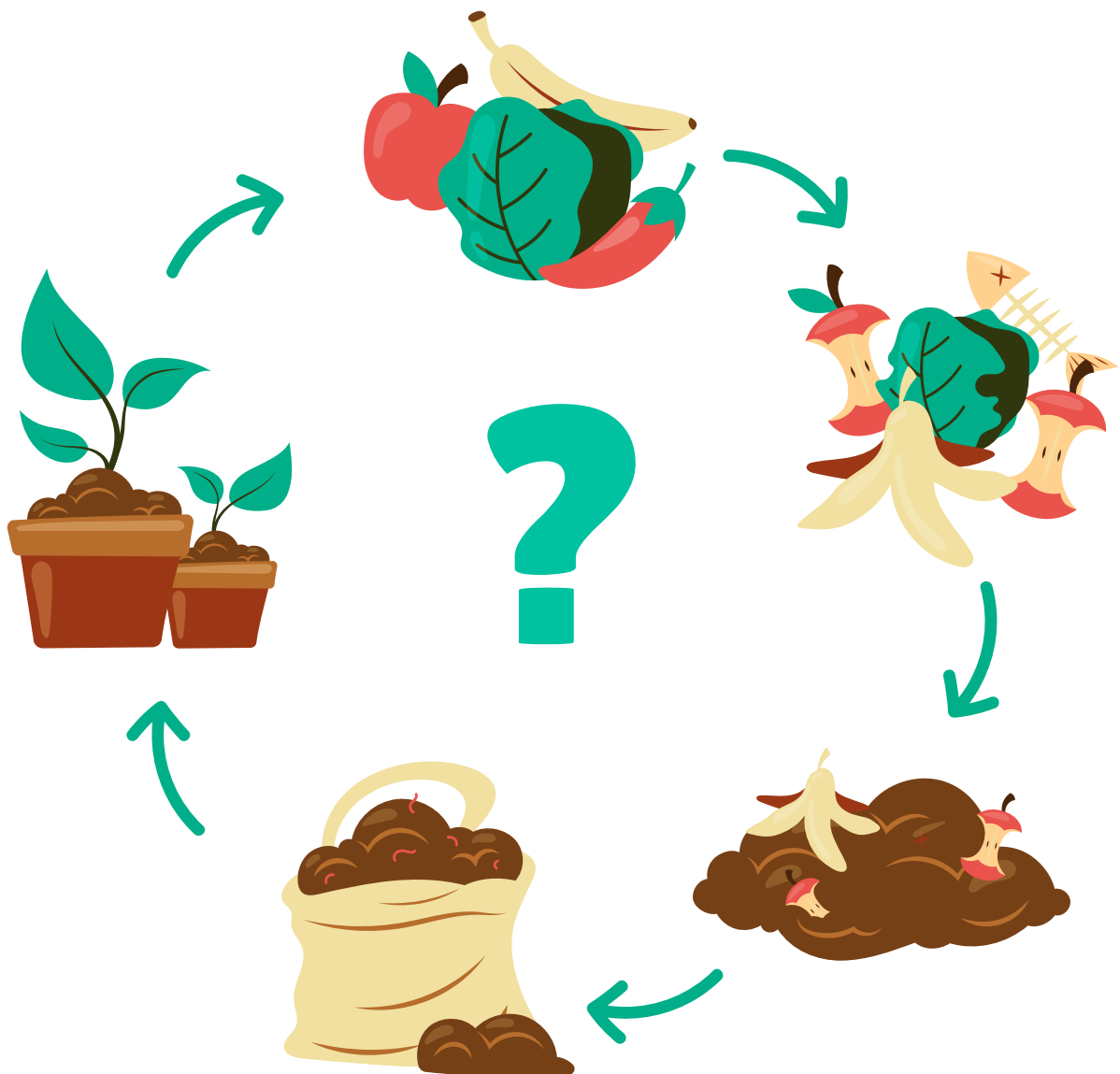
Introduction

In conclusion, proper waste disposal is essential for protecting the health of people and the environment. By increasing recycling and composting, reducing the amount of waste produced, and exploring new technologies, we can make a positive impact on the world. We wanted to make waste disposal fun to people so they don't ignore a waste thrown near them just because it's not their work or property. We will be rewarding people for detecting waste and disposing by given DENR tokens. Later on these tokens can be used to buy anything from shops.



Problem

Today, it is clear that the global recycling rate, which has remained below **20%** for the past three decades, has not significantly increased. More than **90%** of recyclable waste either goes to waste incinerators, landfills, or our waterways. As a result, everyone is actively driving climate change and causing environmental deterioration. Yes, there are numerous recycling initiatives that reduce. They are obviously ineffective, nonetheless, for the following reasons :



Solution

At Denarius, we strongly believe that if the social culture around waste disposal is changed for good, recycling will drastically improve. Thus, D Waste is a blockchain application that educates and rewards users for their recycling effort with the waste-coin token which can be used to purchase items at our marketplace.



Solution

What role does Stellar play in our solution?

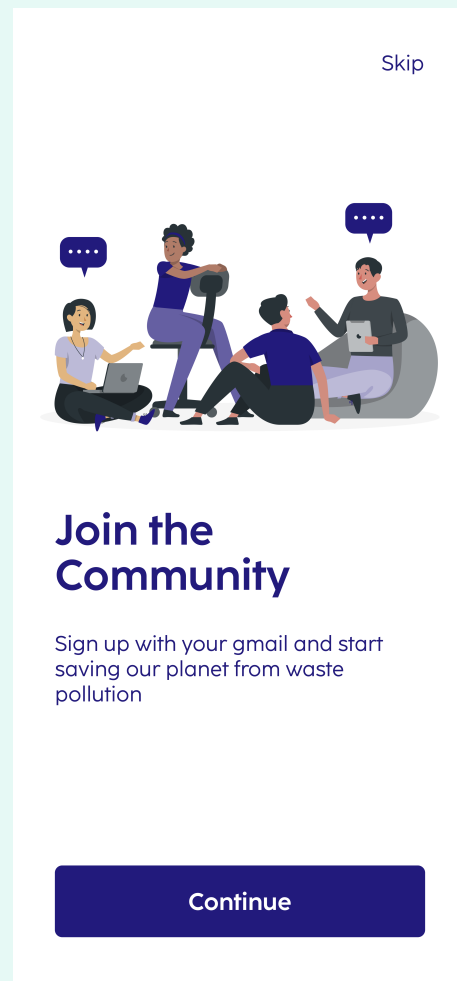
There is no better technology to assist us in achieving our long-term goal than Blockchain. Since D Waste is a decentralised token application that everyone and everyone can use, tokenization must be done quickly, transparently, and with real-time transactions that can be monitored. The Stellar blockchain technology would be included into the following :

- Enable Denr token creation generation and token burnout.
- Utilize the Stellar distributed blockchain ledger to launch token transactions, reward programmes, and redemptions.
- Assure accurate tracking information for recycling



Solution

UI Design of our Solution



Solution



Completely Scanned

The Scan is complete, you can now convert it to denrcoin

New Scan

Convert



Congratulations



Information

Added DENR : +12.34 DENR

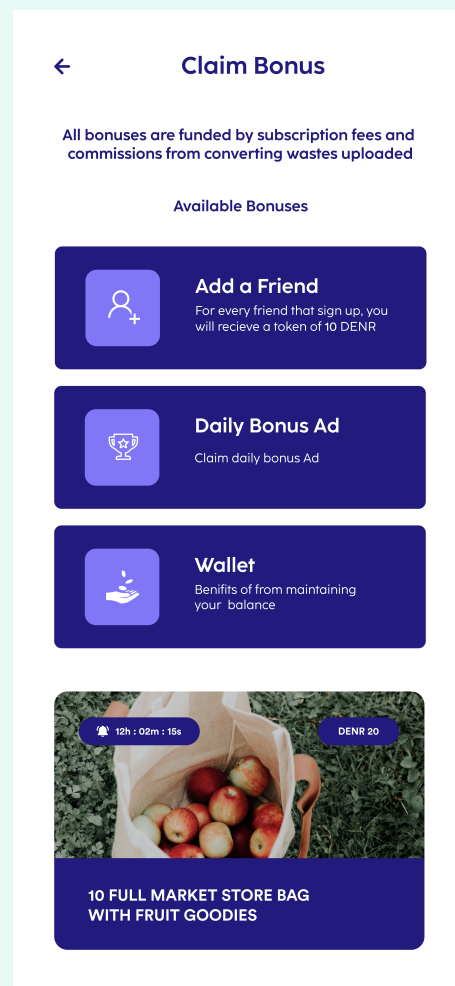
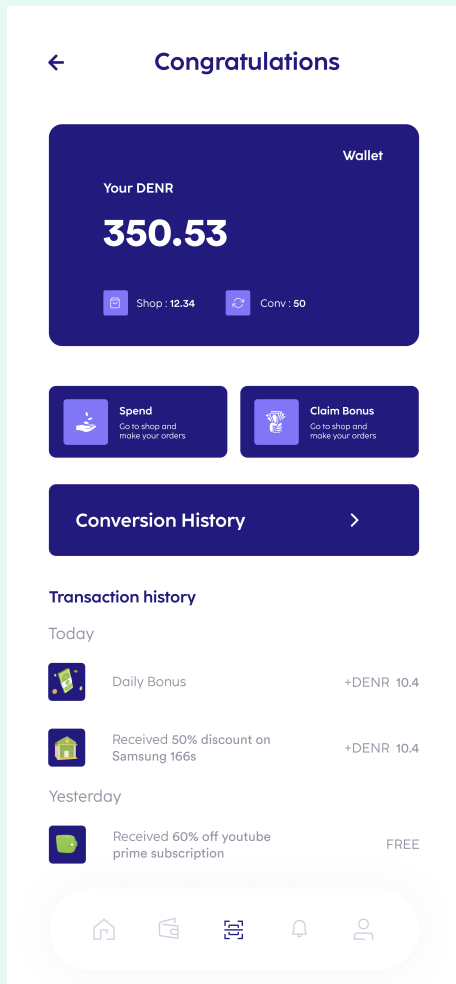
Added DENR : 60 DENR

Waste Type : Metal, Plastics, Glass

Waste Quantity : 1

My Wallet

Solution



Goals

At D Waste, we are adamant that recycling will significantly increase if the societal norms surrounding trash disposal are permanently altered. In order to improve environmental sustainability, our long-term objective is to inspire a global recycling renaissance. We are well aware, though, that it is a long shot and would necessitate starting small :

- **2022 - 2024 (Education and Awareness Campaign)**

By the end of **2024**, we hope to scan at least **5000** tonnes of recyclables and build a community of one million active recyclers in the UK, Saudi Arabia, and Nigeria.

- **2025 - 2027 (Resource Recovery Campaign)**

By the end of **2024**, we hope to scan at least **5000** tonnes of recyclables and build a community of one million active recyclers in the UK, Saudi Arabia, and Nigeria.

- **2028 -> (Collaboration and Expansion)**

Collaborate with more suppliers on the market, grow internationally, and start collecting other recyclables. However, our objective for the following six months is to be able to finish developing the D Waste application and deploy it in order to acquire at least **250,000** users (recyclers) during the first six months of launch (in line with the first milestone).



Overview

Target Market

Generation Z is our target market audience (less than **40** years of age). They are passionate about blockchain technology and cryptocurrencies. They are the current and upcoming parents, therefore we decided to make them our key clients. We can be confident that there will be a good global societal change toward recycling as a result of the recycling habit they would get from wastecoin being passed on to the younger generation.

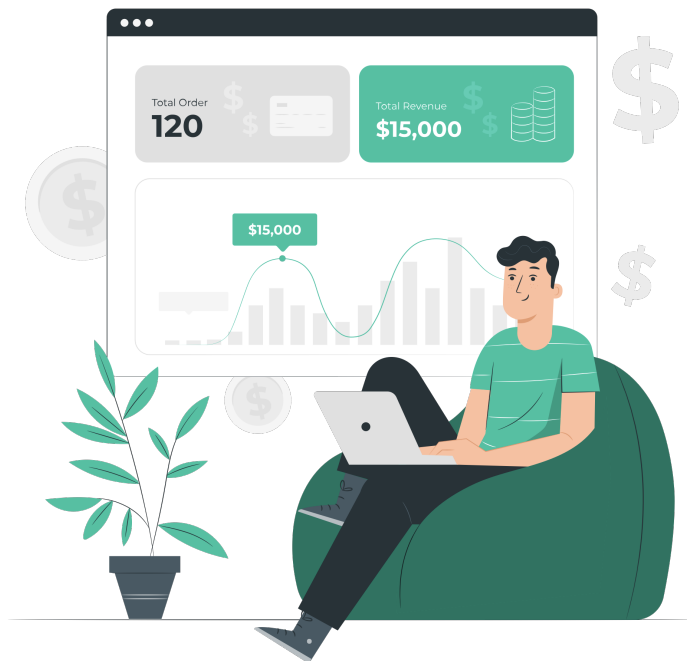


Overview

Revenue Model

We'll gain profit by :

1. **10% to 25%** of the revenues from the selling of recyclables per kilogramme.
2. **\$5–\$20** monthly subscription fees for market vendors.
3. Sponsorship and advertisements from affiliated businesses.



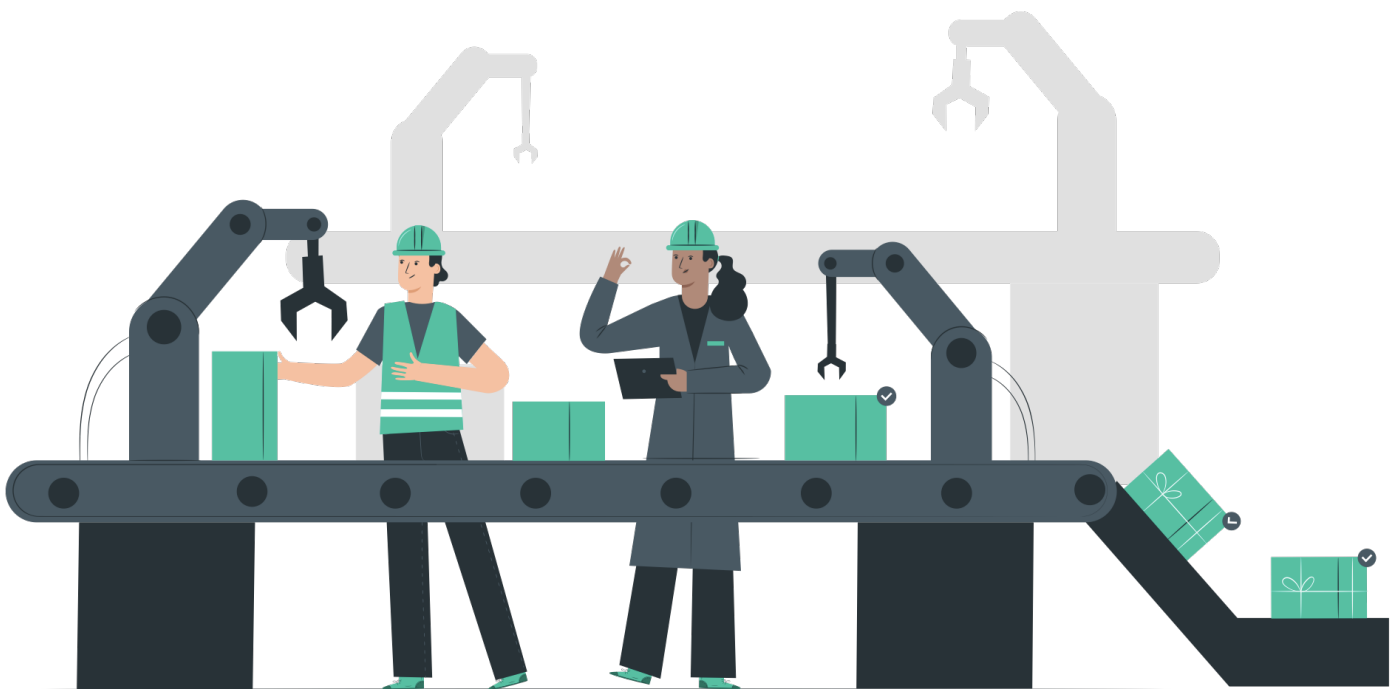
Sales and Financial Forecast

Our prediction is that we won't generate any income for the first two years due to our commitment to building sustainable communities of engaged recyclers. Thus, we will start milestone II by the end of **2024** and with **1 million** customers, at which point there will be income from the sales commission of the recyclables. We'll generate annual sales of no less than **\$300,000** on average. With a **5%** annual user growth rate, we'll have some degree of financial stability and a net profit of **\$423,000** by year five.

Overview

Industry and Market Research

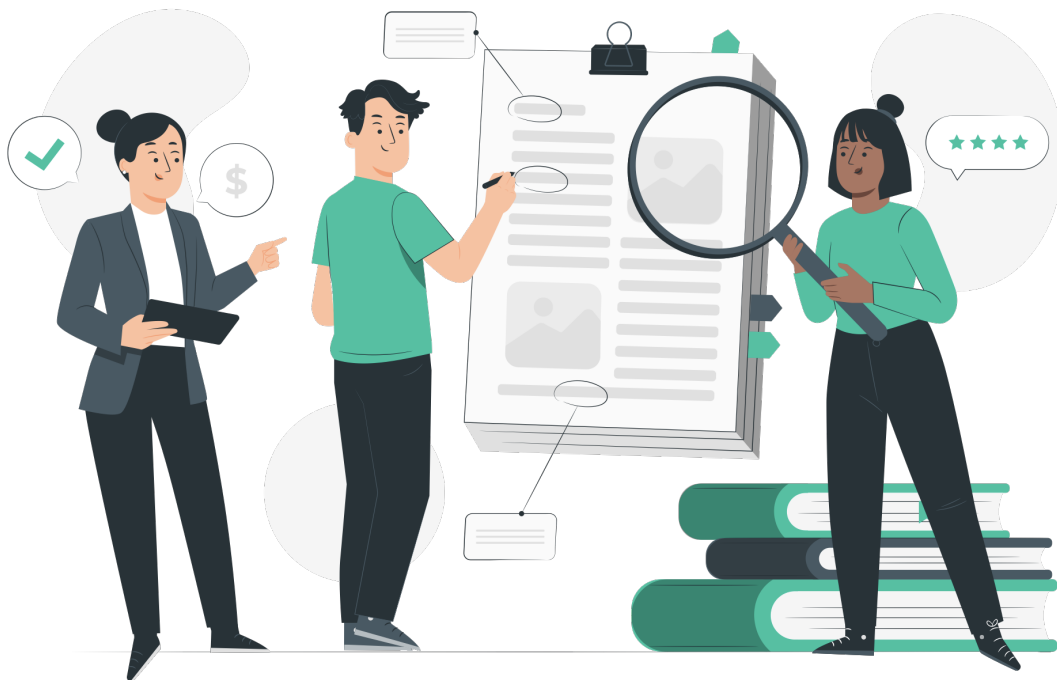
The global market for trash recycling services was anticipated by Statista to be worth **55.1** billion dollars in **2020** and **57.69** billion dollars in **2021**. As consumer awareness of the negative effects that trash has on the environment grows, the industry is anticipated to expand significantly over the coming years. The global market for trash recycling services is anticipated to reach over **90** billion dollars in value by **2028**, growing at a CAGR of **4.8** percent from **2021** to **2030**.



Overview

Competition

There are companies like Plastic Bank in Canada, which has intentions to expand to Asia, and WeCycler in Nigeria, which takes a conventional approach to recycling. Although Plastic Bank has a mobile app, both are only available in certain operational locations. Ade in Nigeria, for example, is unable to utilise Plastic Bank because that company does not have a presence there; on the other hand, in order to use WeCycler, Ade must reside in Lagos, Nigeria. These are some of the issues that Dwaste, a worldwide platform of recyclers, will address as we build communities of recyclers around the world, empower them to recycle, and reward them for doing so.



Overview

Marketing and Sales

Thus, Our marketing plan includes

- the use of well-curated content ads on Social Media platforms such as Facebook, Instagram, Twitter, and Tiktok amongst others to bring users on board.
- the use of push notifications and other in-app communications to promote users' ongoing engagement.
- the utilisation of our website's SEO-optimized content for more exposure.
- Work together with vendors, food and beverage producers, recycling businesses, the government, and other interested partners to provide users with value in exchange for their coins, enabling users to get deals on goods in the marketplace.



Team

Roy M. Bechtel

Founder

I founded Denarius in the year **2022** so that anyone in the world could attain financial freedom. The first product of denarius is D-waste because I believe that we should give something back to the mother nature. Before starting Denarius I was an environment activist. I have traveled at least **30+** countries in the world.

Bobby E. Cook

Chief Product Officer

Stanley S. Hays

Chief Executive Officer

Cynthia J. Rodriguez

Chief Operating Officer

Sabrina J. Wiltz

Lead Developer / Operations

Patricia T. Mateo

UI/UX Designer

Ethel C. Rojas

Designer

Brenda T. Willard

Community Manager

Timothy P. Woodyard

Community Manager

Timothy P. Woodyard

Community Manager

Team

Nancy J. Morford

Software Engineer

Tracey M. Garcia

Software Engineer

Jose J. Cole

Software Engineer

Yvonne A. Hill

Software Engineer

Carolyn S. Pearson

Software Engineer

Thomas M. Hernandez

Marketing Head

John S. Chaffin

Junior Marketing Manager

Susan S. Hendrix

Graphics Designer



Features

Ultra Fast & low transaction fees

Easy payment integration where transfers happen, as it seems, near the speed of light. It has other benefits such as a transaction fee of less than a cent.

Highly Scalable

Stellar isv one of the largest and fastest-growing blockchain platforms out there, It has excellent scalability.

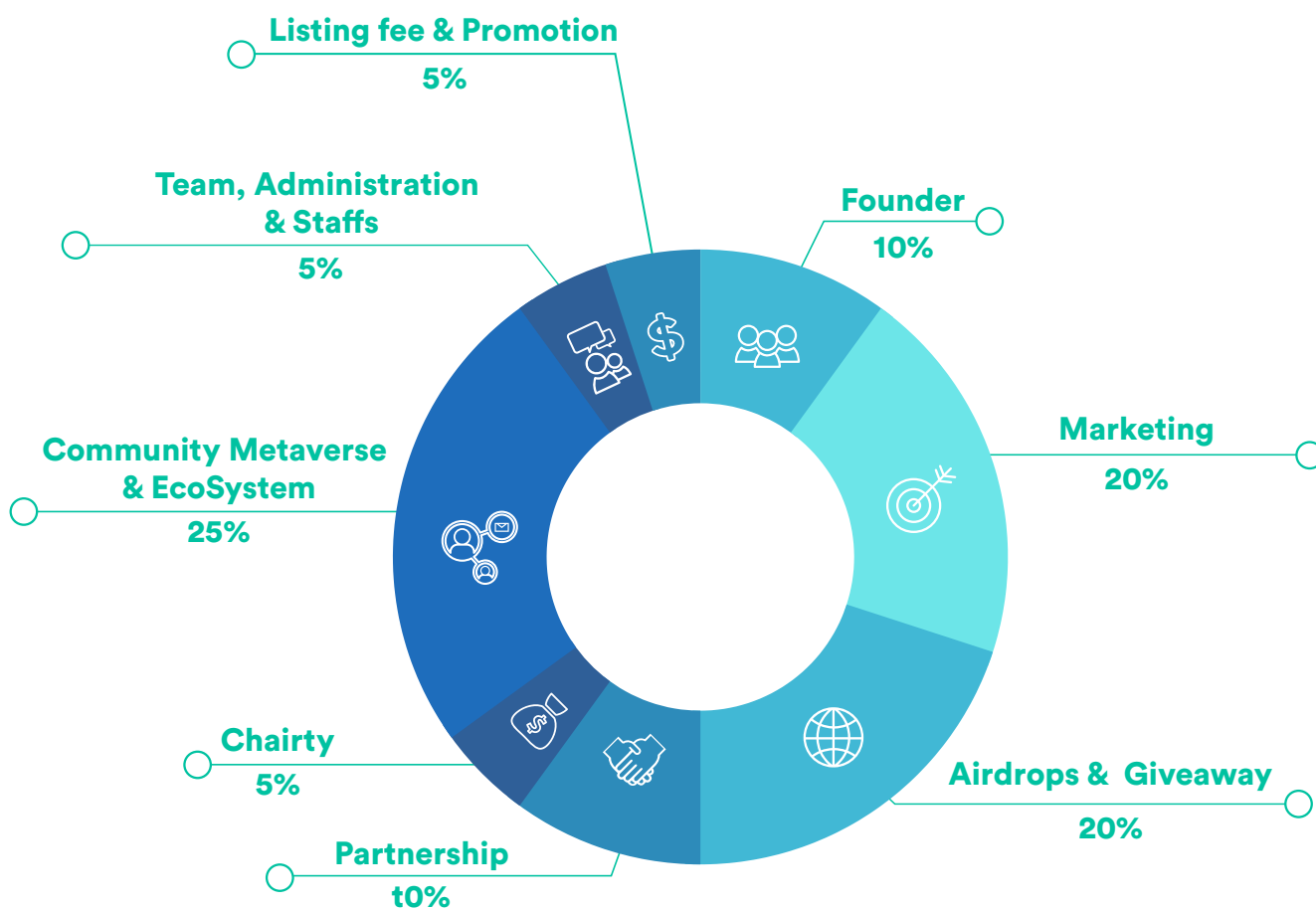
Reliable & Low Cost

No more worries about expensive transaction fees. A transaction fee of less than a cent.



Tokenomics

Name	Denarius
Symbol	DENR
Decimals	7
Total Supply	1500000000
Issuer Address	GCODZPNIANAXSBKHVP3QRBYI6VMESB5BRTQQN4LE3NPO7EQ4UH6WWZFQ



Roadmap

With help from our teams, contributors and investors these are the milestones we are looking forward to achieve.



Supported by



THANK YOU!