

**imusify.**  
The Smart Music Economy

*"imusify got top marks from me for being such a well executed dApp on all levels of the tech stack, from the Smart Contract to the user interface. It was also one of the first dApps to use neo-python as a blockchain middleware for communication between UI and a Smart Contract. I look forward to seeing the project continue to grow!"*

**Thomas Saunders**

Co-founder of City of Zion and Nash Exchange (previously NEX)

*"imusify has the potential to disrupt the value chain of the music industry - I'm a fan of imusify."*

**Fabian Wahle**

Co-founder of City of Zion, Nash Exchange (previously NEX) and NEO St. Petersburg Competence Center

*"Having presented alongside the imusify team in NEO Japan, I am confident the imusify team is amongst the most dedicated teams in both the blockchain and music space, and capable of exceeding expectations on their product launch!"*

**Jack Yeu**

Co-founder Switchco

*"I personally met the team at the Blacksea Hackathon and I must say, imusify has a very solid team that is solving a really obvious problem. I'm very enthusiastic about this project!"*

**Mark Jeffrey**

Founder & CEO of Guardian Circle + \$GUARD Token. Author of nine books (Harper Collins)

# INTRODUCTION

## CEO STATEMENT

My name is David Walters, I am the Founder and CEO of imusify. The story of imusify goes way back to when I was an active musician. I began writing songs at the age of 8, recording songs at the age of 14, and signed my first 360 deal (record deal, publishing deal, distribution deal, management and artist deal), released my first singles and LP at 18 and went on tour through multiple countries. Throughout these years I had spent a lot of time and dedication but hadn't made enough to even cover rent. I had to rethink. I decided to expand and pursue my passion for music production and was lucky enough to find an investor who helped me build a decent recording studio. During this time the internet evolved and Napster entered the markets. Napster was a p2p file sharing platform with which you could download nearly any music title, instantly and for free... Suddenly nobody had to purchase music anymore. It was at the tip of your fingers. The whole industry was paralyzed. Any source of income had quickly dried out and Labels, Publishers, Managers etc. had no other option than to either go broke or reframe their models. This resulted in Labels and Publishers dumping the costs on the artists. Initially it was the Labels responsibility to invest into the production of records but now they no longer accepted artists unless they already had recorded music or a finished product, thus having to spend money for studio time. The artist had to come up for all the expenses up front and this "progression" lead to complete stagnation within the industry and destroyed the careers and lives of many, including mine. I didn't give up and spent many years struggling to make ends meet. Most of the time barely making it. I had to spend a lot of time doing side jobs just to afford running the recording studio.

During this time a thought continuously evolved in my mind. What if there was an online p2p platform that enabled multiple features which enabled musicians to have multiple streams of income thus decentralizing the centralized structures of the music industry. Why shouldn't Agency A purchase directly from Composer B? Why shouldn't Fans purchase directly from the Musicians? A fairly distributed Napster! An online p2p platform could create an automated bridge between all participants. This plan never let go of me. But I had never built a platform before... I had to acquire the skills in order to make this a reality. All of this fed the rebel in me to figure out a solution for musicians to make a decent income.

After 7 years of struggling I decided to take action and joined a fintech startup, thus setting aside my career as a musician. I knew I would join the best with this startup from which I could gather the skills needed in order to execute my plans.

What is the ultimate vision of imusify?

The ultimate vision of imusify is to create an international borderless ecosystem in which fans can directly interact with and financially support artists with the help of our platform and our native cryptocurrency, the "IMU". The ecosystem consists of the imusify Platform, Musicians, Fans, Labels, Publishers, Managers, Distributors, Retailers and everybody else who loves music. The platform enables Musicians to monetize their works through various features such as p2p streaming, sales of singles, albums, synchronisation licenses and equipment, crowdfunding, copyright management, royalty distribution, rewards-system for on- and off platform interactions, referrals and live-event ticketing, all on the blockchain.

Why does the world need imusify in your personal experience?

Up until now the music industry has done their best to create structures that collect and distribute funds that belong to the content creators and rights holders. Many of these systems were created many decades ago and haven't been significantly updated yet. This gave the opportunity to create monopolies that benefited everybody except for the content creators and rights holders. Only a fraction of the money is actually collected and of this only a very small percentage is paid out to the creators. Napster was a good start to decentralize the long held monopoly but it happened uncontrolled thus causing more harm than good. In my opinion, the world needs another disruption, but it needs a strategic approach to make sure that those who actually deserve the money, receive the money.

How will the world be different in 10 years from now if imusify succeeds?

Imagine spending time on the imusify platform and watching your wallet balance increase simply by participating. Imagine being able to use these funds to listen to music or to go to your favorite bands concert thus directly supporting them p2p. Imagine how many undiscovered talents will have a chance to publish their music thus enriching the lives of all. I believe the quality of our musical landscape will heavily increase thanks to decentralisation. We will experience a more diluted and democratically selected repertoire.

What makes you and your team qualified to take on the project like this?

Most of us have a musical background. I've been a musician all my life, Jennie is a professional opera singer, Nate is a music producer, Gijs is a DJ, Luka is a singer, Alina studied music and plays piano, Marc is a singer, Vikas is a singer and composer, GL is a guitarist, Austin and Jonathan are artist managers. We have all experienced the flaws in the music industry first hand and have the determination to fix this is as a first and foremost personal passion. But not only that... we have all acquired skills in managerial positions. The struggle made us become entrepreneurs. Also our advisors have an extensive amount of experience in the music industry.

Why will this project be a success?

This project will be successful because it goes beyond a whitepaper. We have proven that we can execute our plans and that our plans are not just a blurred vision. Our plans are based on first hand experience, thorough research, tested technological solutions, financial calculations, and a deep passion for the product to be realized.

## **ABOUT THIS WHITEPAPER**

Today, music creators operate within a complex web of intermediaries when distributing digital content and attempting to recoup payments for their work. The imusify platform introduces a scalable and secure solution, allowing artists and creators to retain direct control over their work throughout the distribution process. More importantly, it transforms the way fans interact with artists, and amongst themselves, allowing users to become producers and contributors, instead of passive consumers.

This paper presents the idea of such a decentralized music platform and smart economy and explains imusify's favorable position to lead a widespread mass adoption of decentralized systems using the universal language of music.

It goes beyond simply explaining the vision. You will learn all about the proprietary technological solutions of imusify, our partnerships, business model, and how you can participate in the music revolution.

You are also invited to test our prototype at [www.imusify.io](http://www.imusify.io).

The revolution is already starting, play your part!

# EXECUTIVE SUMMARY

## THE PROBLEM

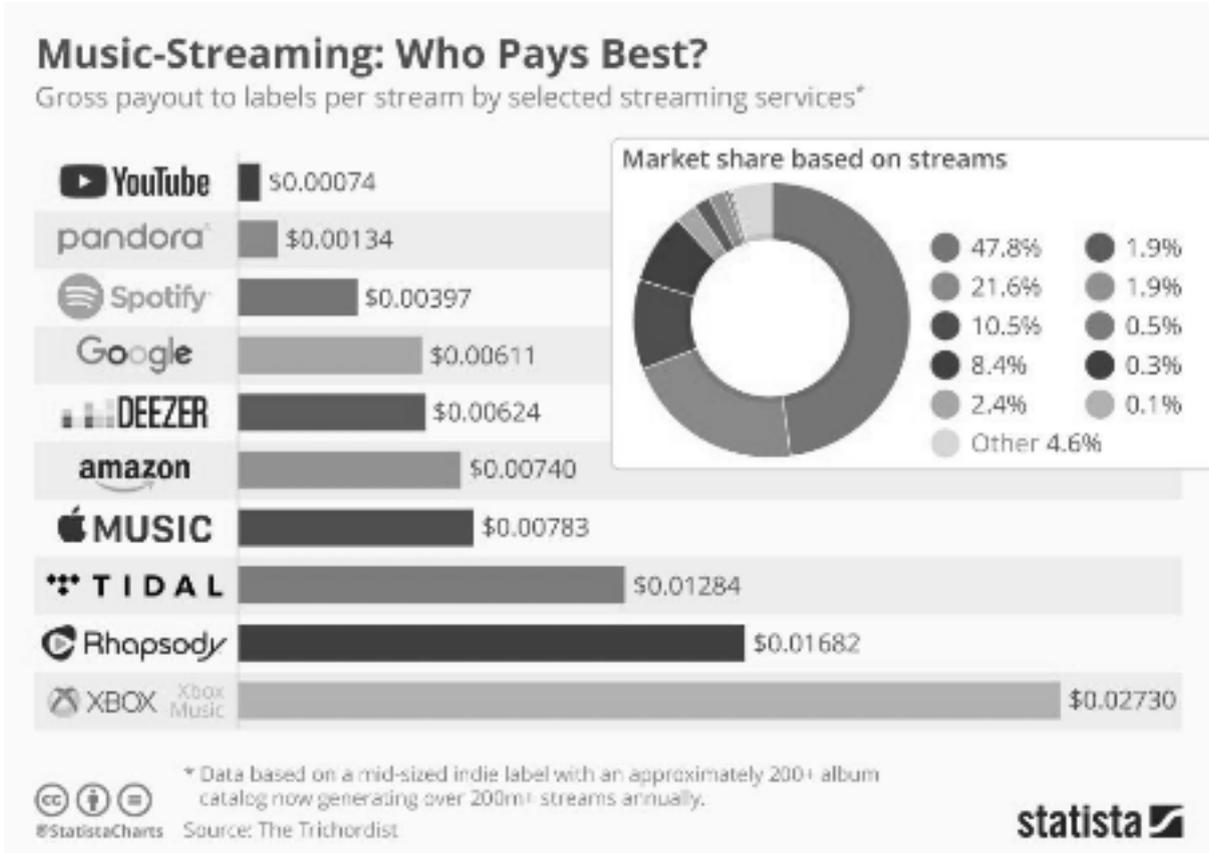
The digital age has transformed the music industry. Creating millions of copies of digital content now costs next to nothing, and the adoption of the internet has done the same for its distribution. More songs are now just a click away than have been recorded in decades before the advent of the internet, and consumers now prefer streaming (access) to downloads (ownership).

Streaming services are on the rise, but the business industry as a whole failed to adopt. Instantaneous access and global nature of the services caused problems with digital rights management, payment transparency, and monetization of content.

As a result, most musicians are not fairly compensated, despite the fact that their music is enjoyed by more people than ever. The 12 billion USD global market for digital music requires a new solution, where musicians are paid, listeners get access, and labels get a fair deal.

***A million streams on Spotify generated an average revenue of less than \$5,000 in 2017, and the artists had to wait up to 24 months to receive the payout.***

DSP / STORE	Stream Quantity % of Total	Stream Revenue % of Total	Avg Amount Per Stream	Streams Per Song	Streams Per Album	Marketshare Quantity	Marketshare Revenue
1 Spotify	62.97%	69.57%	0.00437	139	1,394	62.97%	69.57%
2 Apple iTunes	7.18%	13.35%	0.00735	83	828	7.18%	13.35%
3 Google	2.36%	4.03%	0.00676	90	901	2.36%	4.03%
4 YouTube	21.70%	3.81%	0.00069	876	8,764	21.70%	3.81%
5 Deezer	2.19%	3.54%	0.00640	95	952	2.19%	3.54%
6 Rhapsody	0.52%	2.52%	0.01900	32	321	0.52%	2.52%
7 Xbox Music	0.12%	0.97%	0.03060	20	199	0.12%	0.97%
8 Amazon	0.63%	0.64%	0.00402	151	1,515	0.63%	0.64%
9 Tidal	0.10%	0.33%	0.01250	49	487	0.10%	0.33%
10 Telecom Italia	0.04%	0.25%	0.02189	28	278	0.04%	0.25%
11 24-7 Entertainment	0.07%	0.19%	0.00993	61	613	97.82%	99.00%
12 PlayNetwork	0.74%	0.12%	0.00065	943	9,429		
13 KKBOX	0.13%	0.12%	0.00358	170	1,701		
14 NMusic	0.04%	0.07%	0.00740	82	823		
15 AMI	0.03%	0.07%	0.00877	69	695		
16 RDIO	0.04%	0.07%	0.00690	88	882		
17 Nokia	0.17%	0.06%	0.00138	440	4,399		
18 Touchtunes	0.02%	0.05%	0.01150	53	530		
19 Cricket	0.01%	0.04%	0.01593	38	382		
20 Beats Music	0.01%	0.03%	0.01731	35	352		
21 Yandex LLC	0.77%	0.03%	0.00016	3,744	37,444		
22 Slacker	0.02%	0.03%	0.00442	138	1,379		
23 Qobuz	0.00%	0.02%	0.02940	21	207		
24 Pandora	0.07%	0.02%	0.00133	456	4,565		
25 Music Unlimited	0.00%	0.02%	0.02399	25	254		
26 PCM Technologies	0.01%	0.02%	0.00564	108	1,079		
27 Saavn	0.03%	0.01%	0.00146	417	4,168		
28 Akazoo	0.00%	0.01%	0.37847	2	16		
29 AWA	0.00%	0.01%	0.00801	76	760		
30 Medianet	0.01%	0.01%	0.00272	224	2,241		
<b>TOP 30 TOTALS :</b>	100.00%	100.00%	<b>0.00395</b>	154	1,540		



***“This chart shows how crazy low payout is to labels & the artists only a small fraction of these numbers.” - [Elon Musk](#)***

## THE IMUSIFY PLATFORM

The imusify platform proposes a solution. It integrates the best practices of streaming, media sharing, crowdfunding, and social networks to create an ecosystem in which the artists, fans, and music professionals can interact with one another on a decentralized marketplace.

The underlying technology allows for tracking of the flow of content, and the smart contracts ensure a fair and immediate distribution of payouts. The content is reviewed automatically to determine copyright ownership, and digital identity tracking is used to prevent fraud.

***Users have various potential streams of income, creating a marketplace for digital content, goods, and services, with secured and instantaneous transactions.***

## COMPETITION

Indirect competitors of imusify include streaming companies such as Spotify and Soundcloud, and crowdfunding platforms such as Kickstarter, Patreon, and Indiegogo.

The unique value proposition of imusify lies in the integration of such services with a decentralized marketplace and a social network 2.0. which allows the users to be active participants in the economy instead of passive consumers, whose personal information is processed and sold to the highest bidder.

Most competing distributed applications are unclear about their value proposition, depend on the underperforming Ethereum network, and fail to address the issues of scalability and digital rights management. Unlike imusify, most of them are far from a functioning prototype.

***The imusify platform addresses the inefficiencies of the music industry holistically and surpasses the limitations of blockchain technology with new technological solutions. It plays to the interest of all users, including the big labels, and has a functional prototype.***

## KEY TECHNOLOGICAL SOLUTIONS

The imusify platform builds on the solutions provided within NEO Smart Economy and implements several proprietary solutions to address the problems of scalability and security, hampering other distributed applications.

These solutions allow the imusify platform to (i) surpass the scalability limitations by reducing the volume and number of transactions, required to be validated on the main chain; (ii) implementing digital identity and automated content screening solutions to prevent fraud and copyright infringement; and (iii) allowing each user to generate revenue by content production, ownership or curation, depending on their role in the economy.

***The imusify platform introduces several proprietary technological solutions, addressing the scalability issue, copyright infringements and fraud, and allowing every user to get paid as an active participant in the music economy if they wish to do so.***

## PROJECT HIGHLIGHTS

In November 2017, imusify won an award for second place out of 40 entries in the inaugural CoZ (City of Zion) dApp Competition. imusify developed a full stack decentralized application consisting of Backend, Frontend, Blockchain Middleware, an artist-incentifying Smart Contract and the IMU token. The App was built in only 4 weeks and localhuman commented:

**“imusify got top marks from me for being such a well executed dApp on all levels of the tech stack, from the Smart Contract to the user interface. It was also one of the first dApps to use neo-python as a blockchain middleware for communication between UI and a Smart Contract. I look forward to seeing the project continue to grow!”**

**localhuman**  
City of Zion Council

Our core team is comprised of highly skilled and educated individuals (developers, entrepreneurs, marketing consultants, lawyers and financial experts), who set aside their careers to bootstrap the business. Most of them have been involved with the music industry and, thus, have a deep understanding of its various aspects.

We have established strategic partnerships with major players in the music industry (music labels), support services (automated content tracking and digital ID), and have the support of the NEO blockchain community and leadership (development, exchanges, and transactions).

We have established our presence on multiple events and roadshows in Europe and Asia, including extended roadshow in Japan, touring as one of the NEO Japan flagship projects.

***We have a dedicated team of professionals, an award-winning prototype, innovative technical solutions, partnerships in the music industry, and strong support of the NEO community.***

## FINANCING

We have a clear vision and a functional business model, allowing us to take on the challenge of disrupting the music industry for good. We will raise

capital for funding of imusify operations and platform development in two phases; (i) the seed round of \$5,000,000, and (ii) the imusify Token Sale with the total Hard Cap at \$25,000,000. Based on our financial projections, we need \$10,000,000 to \$20,000,000 to fund our operations until the “break even” point.

***We are currently open to angel and institutional investments through SAFTs and convertible loans. After the initial stage of raising the seed capital, we will start the Token Sale, allowing individuals (future users) to purchase the IMU tokens at significant discounts, to promote the imusify platform and gain traction.***

## CONTENTS

THE FRONT PAGE	
INTRODUCTION	
CEO STATEMENT	
ABOUT THIS WHITEPAPER	
EXECUTIVE SUMMARY	
THE PROBLEM	
THE IMUSIFY PLATFORM	
COMPETITION	
KEY TECHNOLOGICAL SOLUTIONS	
PROJECT HIGHLIGHTS	
FINANCING	
CONTENTS	
INTRODUCTION TO IMUSIFY	
PLATFORM OVERVIEW	
VALUE PROPOSITION SUMMARY	
COMPETITIVE ADVANTAGES	
HIGHLIGHTS	
VALUE GAP IN THE MUSIC INDUSTRY	
INDUSTRY LANDSCAPE	
THE VALUE GAP	
ADDRESSING THE VALUE GAP	
CENTRALIZATION – WIDENING THE VALUE GAP	
DIGITAL RIGHTS MANAGEMENT	
PAYMENT TRANSPARENCY	
LICENSING AND MONETIZATION	
A PROBLEM WORTH SOLVING	
A DECENTRALIZED SOLUTION	
BLOCKCHAIN TECHNOLOGY AND DISTRIBUTED APPLICATIONS	

APPLICATION TO MUSIC INDUSTRY  
BARRIERS TO ADOPTION OF DISTRIBUTED APPLICATIONS FOR MUSIC  
INDUSTRY  
IMUSIFY – THE NEW MUSIC ECONOMY  
IMUSIFY PLATFORM COMPONENTS & FEATURES  
COMPONENTS  
PLATFORM FEATURES  
SYSTEM ARCHITECTURE.  
TARGET AUDIENCE  
CONTENT CREATORS  
THE “CRYPTO-COMMUNITY”  
THE EXECUTIVE  
THE INFLUENCER  
USE CASE EXAMPLES  
PLATFORM INTERACTIONS  
USER RECORDS  
CONTENT ASSETS  
DISTRIBUTED STORAGE  
ACTION LOGS  
RIGHTS MANAGEMENT  
IMU TOKEN – THE ECONOMIC ENGINE OF THE imusify PLATFORM  
USE CASES FOR IMU TOKEN  
TOKEN DISTRIBUTION  
TOKEN ECONOMICS AND MITIGATION OF VOLATILITY  
IMUSIFY TOKEN SALE INFORMATION  
PHASES OF imusify TOKEN SALE  
PHASE I - PRIVATE SALE  
PHASE II – PUBLIC PRE-SALE  
PHASE III – PUBLIC SALE  
OBTAINING AFTER THE imusify TOKEN SALE AND OTHER OFFERS  
TOKEN SALE ALLOCATION  
USE OF TOKEN SALE PROCEEDS  
IMUSIFY BUSINESS MODEL  
PROJECTED REVENUE STRUCTURE  
IMUSIFY STRONG POINTS  
UNIQUE TECHNOLOGICAL SOLUTIONS  
SPLITTING PENNIES  
COMMUNITY CONTENT CURATION  
AGENT-CENTRIC INSTEAD OF A DATA-CENTRIC MODEL  
DATA SECURITY AND IDENTITY VERIFICATION  
CONFIRMED PARTNERSHIPS  
MUSIC INDUSTRY  
THIRD PARTY SERVICES  
TRACK RECORD

ROADMAP  
TEAM AND COMPANY INFORMATION  
COMPANY INFORMATION  
TEAM  
LEGAL NOTICE  
CONTACT

## **INTRODUCTION TO IMUSIFY**

imusify's mission is to provide an open-source innovation space for developing new means of music distribution, consumption, and engagement. imusify is building a music smart economy to allow for the direct exchange of value between artists, fans, and other stakeholders, giving our community the power to control the future of the music industry.

### **PLATFORM OVERVIEW**

The imusify platform is designed to provide artists with autonomy, higher income, and transparent transactions between service and product suppliers. imusify's open-source, self-publishing platform also creates an efficient system for content creators to network and collaborate, while maintaining complete control over their work. The platform serves a variety of uses to different user types, serving as a news app, a messenger and networking space, an incubator, a music discovery platform, a marketplace for trading goods and services, a discussion forum, or a unique combination of these functions that provide the most enjoyment for each user. The imusify platform also offers an open innovation space to launch new products, features, tools, and services across the value chain of the music industry and beyond.

## VALUE PROPOSITION SUMMARY

Harnessing the potential of decentralized technologies, imusify is connecting musicians and their fans, as well as other stakeholders (producers, labels, etc.), by creating a platform for the new music economy. It integrates the best practices of crowdfunding, streaming, media sharing, social networks, and management of the music value chain. The combination enables the musicians to fund the production of their music (Funding & Monetization), track the use of their content (Digital Rights Management), and be paid for plays and downloads via smart contracts (Payment Transparency); and the fans to support and enjoy the music of their favorite artist. Our unique value proposition is the use of blockchain ledgers to track content and smart contracts to automate the fair distribution of royalties.

## COMPETITIVE ADVANTAGES

With the value of the global market for digital music exceeding 12,000,000,000 USD, it is hardly surprising that imusify must compete with some strong global players to acquire a market share. However, be it Spotify in the streaming services market, iTunes in the digital downloads market, or Pledge Music in crowdfunding of music projects market, none of these players are direct competitors of imusify and, as explained in the following, they are part of the problem, rather than the solution.

The only direct competitors of imusify are other decentralized music applications, which tend to disregard the barriers to adoption of distributed applications or provide any incentive for big players in the industry to join.

Our main advantage is a combination of sound proprietary technical solutions with a sound and inclusive business model, providing an incentive for various users to join the new economy.

## HIGHLIGHTS

- imusify already has a proof of concept – the prototype you can access at [www.imusify.io](http://www.imusify.io)
- We have confirmed partnerships with various third parties, allowing us to integrate their technological solutions, utilize their services, or include their content.
- We have the strong support of the NEO community and have been active participants in numerous blockchain related events, touring with NEO Japan, and on our own.

- Last but not least, we have a strong community of over 300 contributors and advisors and a strong core team of dedicated professionals.

## VALUE GAP IN THE MUSIC INDUSTRY

In today's music industry, money speaks louder than ever. The rapid digitalization of music has led to a wide range of avenues for monetizing content. The problem, however, is that the music industry was built as a centralized system for physical distribution. This was practical in the 1970s when there was no internet, and record labels were distributing actual records, and it was comparably easy to keep track of the distribution of music. Such a centralized system was not designed for today's digital world, and its outdated structure creates multiple inefficiencies in the music value chain.

### INDUSTRY LANDSCAPE

The way we listen to music is changing fast, and the business of music is struggling to keep up. The global music market is now split between digital downloads, records, streaming, synchronization rights and ringtones.

Despite the decrease in record sales, the global music market grew by 5.9% in 2016, indicating the fastest rate of growth since IFPI began tracking the market in 1997. Streaming has been the primary driver of this growth, with revenues surging by 60.4%. With more than 130 million paid subscriptions globally, it makes up the majority of digital revenue, which, in turn, now accounts for 50% of total recorded music revenues[1].

Streaming and music downloads markets together amounted to 3,230,000 USD in Europe[2], and 6,051,000 USD in U.S.A[3] in 2018, with streaming representing 80% of the total revenue. *In fact, the revenues generated by streaming increased 60% last year and grew by more than 300% in the last five years[4].*

Music streaming has clearly won the battle of business models and is now the preferred way we interact with music. Clearly, the large streaming service providers like Spotify, with over 140 million active users, Apple Music, Amazon Music Unlimited, Google Play Music, Tidal, and others are making a killing. But how about the artists who make the music?

## **THE VALUE GAP**

The value gap describes the growing mismatch between the value that some digital platforms, in particular, online user upload services, such as YouTube, extract from music and the revenue returned to the music community – those who are creating and investing in music[5].

The two largest streaming services - Spotify and YouTube, had the worst payouts in 2018. Spotify paid an artist about \$0.0038 per stream, while YouTube had a per-play rate of just \$0.0006 per play on YouTube[6]. With such rates, an artist needs about 400,000 plays on Spotify, or 2,400,000 plays on YouTube to reach the minimum wage. Note, that most artists rarely work alone, and they have to share the proceeds with labels, producers, managers, and band-mates. Good luck with making a living on that. Most musicians would have made more money owning a lemonade stand.

## **ADDRESSING THE VALUE GAP**

Inconsistent applications of online liability laws have emboldened certain digital platforms to claim that they are not liable for the music they make available to the public. On-demand music platforms, use this as a shield to avoid licensing music like other digital services do, claiming they are not legally responsible for the music they distribute on their site[7].

Artists, songwriters, record labels and other industry players have begun to take action to address music's value gap. In June 2016, over 1,000 artists and performers including big names such as Sir Paul McCartney, Coldplay, and David Guetta, signed a petition requesting that the European Commission takes urgent action to address the value gap in music:

## Letter to the European Commission



*"This is a pivotal moment for music. Consumption is exploding. Fans are listening to more music than ever before. Consumers have unprecedented opportunities to access the music they love, whenever and wherever they want to do so. But the future is jeopardised by a substantial 'value gap' caused by user upload services such as Google's YouTube that are unfairly siphoning value away from the music community and its artists and songwriters.*

*This situation is not just harming today's recording artists and songwriters. It threatens the survival of the next generation of creators too, and the viability and the diversity of their work."*

Signed by Thousands of Artists.

## **CENTRALIZATION – WIDENING THE VALUE GAP**

While on-demand streaming platforms are some of the key targeted suspects for exploiting outdated legislation, the structure of the digital music system as a whole fails to reward artists for the value they provide through their work or to provide the resources artists need to develop sustainable and fair income. When providing digital content to streaming services, artists (especially smaller independent ones) have little chance to even maintain the rights to ownership of their work, let alone receive fair and timely payment for its use.

To best understand the inefficiencies of the current royalty system, let us closely examine how royalty payments are typically distributed from streaming services.

The streaming service itself also retains a portion of monthly revenue for themselves and sometimes distributes additional portions for third-party contract services. After all of these intermediaries have been paid out, the remainder (usually around 40%) is used to determine the “pay-per-play” allocation for that month. Music publishers then receive a payout based on the number of streams they own. Finally, often several months later, artists finally receive a small fraction of the pie, with per-stream royalties between \$0.005 and \$0.001 per stream<sup>1</sup>.

We can see from this example that the key source of inefficiency in the current system stems comes from the presence of performance rights organizations, publishers, and other intermediaries. While “record labels” serve a core purpose, large multinational labels pose a threat by focusing on company profits as opposed to serving the artists they represent. In fact, roughly 88% of the global music industry is dominated by three global record labels: Universal Music Group, Sony Music Entertainment, and Warner Music Group. These companies create extremely unfavorable conditions for their artists, often receiving large advances and bargaining for minimum ownership payouts under non-disclosure agreements with streaming companies.

The centralized nature of the industry creates three key challenges for artists: digital rights management, payment transparency, and licensing and monetization. These key problem areas are discussed in detail below:

## **DIGITAL RIGHTS MANAGEMENT**

The lack of a comprehensive rights management regime creates several problems for managing artists’ digital rights, from lost revenues to misattribution of ownership. As of now, each rights holder receives their share by registering with a collecting society which has the duty of collecting and splitting the collected funds, called royalties, among all rights holders according to agreements, partially predetermined by the rights holders but also often predetermined by the collecting society. Even if artists can now produce, distribute, and market their work almost entirely digitally, they still have little control over ownership and security of rights.

## **PAYMENT TRANSPARENCY**

Problems of payment transparency arise from the centralization of the royalty distribution system. Performance rights organizations conduct the process by collecting royalty payments from streaming services and then allocating payments to artists based on royalty rates set forth by organizations like The Copyright Royalty Board. There are also other transactional processes by which rights holders attempt to collect payments. According to the Arizona Law Review, “composers and songwriters typically sell or license their composition copyrights to publishing companies, which will administer the copyright in return for 25–50% of the proceeds. Thus, intermediaries often own the copyrights and receive a medium to a large share of the proceeds from exploiting the works<sup>2</sup>.”

## **LICENSING AND MONETIZATION**

Outdated laws surrounding licensing and rate-setting systems fail to utilize available technology to track licenses and deliver royalties. Digital music services do not have efficient systems in place to obtain and keep track of all licenses related to the varying types of digital consumption: radio, on-demand streaming, radio-like streaming, digital purchases and more. Smaller artists lack the resources to enforce control over their content and rights. With limited information about how their content-related payments actually work, they are often left with little to nothing.

## **A PROBLEM WORTH SOLVING**

As Hans Christian Andersen put it; “music speaks where words fail.” In fact, music is the universal language of mankind, if not nature itself. Think of how many memories would not have been the same without the music background that sways you into that nostalgic reminiscence. How many would have never been made if it was not for that very music? How dull would have been your life without it? Or as Nietzsche put it: “Without music, life would be a mistake.”

Sometimes it seems like all great music was made before the internet age, and everything after has just been recycling of the past, or an uninspired repetition of the few contemporary hit songs.

Developing talent and making great music takes time, dedication, and resources. With slim margins, even the big labels cannot afford to risk supporting an artist who is less than a safe bet, which is why everything

seems to sound the same. The value gap is robbing us of new inspired music. Talented musicians turn away from the industry and pursue their careers elsewhere. How many great pieces of music will never be heard by a living soul because of our inability to provide a rewarding alternative? We feel that this problem needs solving, and it's time for a new revolution in the music industry.

## **A DECENTRALIZED SOLUTION**

The music industry has been facing existential challenges over the past decade, and the landscape has been completely restructured due to digitalization and the introduction of digital streaming services. Since the technological breakthroughs of digitalization and internet have caused the shift in the landscape, perhaps the issues that arose may be solved by the application of business models, based on the emerging technology of blockchain.

### **BLOCKCHAIN TECHNOLOGY AND DISTRIBUTED APPLICATIONS (dApps)**

At its core, a blockchain is a set of programmable protocols and strings of data that relate to a growing chain of the digital transaction such records<sup>1</sup>. Records are encrypted and stored on “blocks” of data across all network storage nodes, each confirming a set of transactions.

Blockchain technology was originally designed to instill a provable form of trust when conducting transactions, rendering the “trusted intermediary” unnecessary – hence “decentralization.” At the time, however, blockchain existed solely as the technology behind the Bitcoin cryptocurrency and for the next few years blockchain was only understood by a marginal group of early crypto enthusiasts.

The next big development was the integration of a programming language, allowing for the creation of smart contracts, which enabled sophisticated interaction between users, expanding beyond simple virtual money transfers<sup>[8]</sup>.

This enabled development of a new breed of decentralized applications (dApps), connected to the blockchain, allowing them to expand beyond traditional distributed applications, like BitTorrent, Popcorn Time, BitMessage, and Tor<sup>[9]</sup>.

Such decentralized applications are beginning to pose a disruptive threat to various industries. Businesses and institutions around the world are seeking to understand and invest into blockchain ventures at a staggering rate<sup>1</sup>.

## **APPLICATION TO MUSIC INDUSTRY**

The imusify project is one of the pioneers of decentralization movement for the music industry. Other blockchain music projects also show leadership in tackling certain inefficiencies in relation to event booking and copyright management, as well as streaming services. Many use cases have been presented, suggesting to tackle the existing issues.

### **(i) Digital Rights Management**

The network power of blockchain provides the opportunity to create a comprehensive digital rights management system that eliminates the need for latent payment reconciliation. Instead, with such a system consumption information can be shared automatically, offering universal transparency to artists, distributors, and consumers.

### **(ii) Payment Transparency**

Blockchain offers several added values to the transactional procedures that occur throughout the music supply chain. With a comprehensive database of consumption content and verified users, blockchain posed solutions for making automatic and transparent royalty payments, not only to single individuals but distributed to a song's respective rights holders. This improved payment process can provide more information to artists about how their work is being consumed and exactly what and how they are being compensated.

### **(iii) Licensing and Monetization**

With the presence of a decentralized database of content and ownership rights, artists have the opportunity to license and monetize content in exciting ways. Even small relatively unknown artists will have a marketplace where they can sell licenses for their work to be used in commercial videos, films, live events, and podcasts to name a few.

## **BARRIERS TO ADOPTION OF DISTRIBUTED APPLICATIONS FOR MUSIC INDUSTRY**

The imusify project is not the first one to propose to address the current pitfalls of the music industry in a decentralized fashion, utilizing blockchain technology. A number of such ventures raised a significant amount of funding in the last year, and some show promising results in their specific niches (event management, ticket sales, etc.). The problem is that the technology itself presents some serious barriers to mass adoption, which require thoughtful implementation of existing technological solutions.

A number of blockchain protocols and networks have emerged since 2015, and over 1,450 dApps can now be found on the curated list of decentralized apps on Ethereum alone<sup>[10]</sup>. While one can find a lot of interesting projects, and dApps with the potential to disrupt industries, the adoption is severely lagging. Total count of daily active users for all dApps is just over 10,000<sup>[11]</sup>, which is a negligible number compared to centralized applications, e.g., Facebook, YouTube and WhatsApp, which have over 5,000,000,000 daily active users collectively<sup>[12]</sup>.

### **(i) Scalability issue**

Blockchain networks, rely on various consensus mechanisms to ensure the validity of transactions. The transaction is verified by its incorporation into a block – hence the name “blockchain,” and finalized when the network reaches a consensus on its validity.

The volume of transactions per second is thus dependent on the time it takes to incorporate each transaction into a block, and the time a particular network requires for reaching a consensus.

The root of the problem is, that the more popular any particular blockchain network becomes, the slower it is. As the volume of transactions increases, it takes more and more time to incorporate each of them into a block, and the more nodes are in the network, the longer it takes to reach a consensus.

The current state of transaction speed on some popular blockchain networks<sup>[13]</sup>:

**Bitcoin:** Currently processes about three transactions per second, with average transaction confirmation time of about 25 minutes.

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**Ethereum:** 15-20 transactions per second with average transaction confirmation time at about 2 minutes.

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**Ripple:** 1,500 transactions per second, with average transaction confirmation time of about 4 seconds.

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**IOTA:** Three transactions per second, with average transaction confirmation time at about 2 minutes.

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**NEO:** 1,000 transactions per second with average transaction confirmation time at about 15-20 seconds. (Projecting to scale up to 10,000 transactions in 2019.)[WU1]

Most of the existing decentralized applications in the music industry fail to address the scalability issue. If left unaddressed, this issue is a major barrier to adoption, preventing any of such applications to ever become a significant player on the market.

## **(ii) Storage space**

Existing on-demand streaming service providers spend significant money on the costs of hosting and streaming. Even poor quality mp3 tracks require a significant amount of digital storage space when there are tens of millions of them. Many of them use third-party services, such as the Google Cloud to store data. Spotify is estimated to have been paying approximately \$ 290,000 just for such hosting service in 2016[14].

Most competing projects fail to address this issue as well, despite the fact, that hosting and streaming costs would be significant. It's also important to note that the sheer volume and size of streams would easily bring down any existing blockchain network if the streaming service itself is not somehow de-coupled from the blockchain, should the platform gain mass adoption (5 millions of users or more).

## **(iii) Copyrights and Content Management**

Every piece of music, such as musical works and sound recording, is legally protected by Copyright. As an author of music, a musician is the owner of a copyright and thus granted certain rights. These include the right to reproduce the copyrighted work, to prepare derivative works based upon the copyrighted work, to distribute copies of the copyrighted work to the public, to perform the copyrighted work publicly, and other.

Copyright Law is notoriously complicated. The fact that music is now distributed globally within seconds, while the laws are local, makes addressing this issue even more complicated.

Failure to comply with a complex system of Copyright Laws, combined with a number of other regulations, has already brought companies like SoundCloud to their knees. Many of the existing giants, such as YouTube and Spotify are spending a lot of money dealing with legal battles and lobbying to avoid persecution.

Despite some projects claiming otherwise, or simply being ignorant of that fact, decentralization does not automatically solve the problem of content management and distribution regulation. Any project that fails to address the issue of tracking Copyrights is doomed to suffer severe legal consequences in the future, which presents another problem for mass adoption.

#### **(iv) Failure to incentivize big players**

While the idea of cutting out the middleman plays an important role in the narrative of the movement for decentralization, mass adoption of any new music platform requires the willingness of the big players in the music industry to participate. Most of the popular artists with the big following are signed and represented by big labels. They will not join unless they have a good – financial, incentive to do so.

Most decentralized music applications fail to address this issue, and are thus missing out on the opportunity to onboard popular artists, and take full advantage of the network effect.

#### **(v) Volatility on the “crypto” market**

While blockchain poses myriad opportunities to increase the quality of life for virtually anyone in one way or another, operating as a decentralized organization presents an inherent risk. With the birth of cryptocurrencies and exchanges, the barrier to investment decreased dramatically. The subsequent flood of currencies and initial coin offerings (ICOs) entering the market has led to several economic boom and bust episodes.

Distributed music applications tokenizing rewards within the platform need to take into account the volatility on the market and provide for appropriate measures for the artists and users to mitigate the risk of day-to-day value fluctuations.

# **IMUSIFY – THE SMART MUSIC ECONOMY**

imusify is focused on building a platform to serve the immediate needs of current participants in the music industry while providing an open innovation space for developing new means of interaction and value exchange to serve the music economy in the near and distant future.

To further the conceptual vision of its music smart economy, imusify gives value to its platform, its network, and its utility token which serves as a means of exchange for users within the imusify network on the imusify platform.

Firstly, imusify exists as a platform (web and mobile applications) that allows its users to connect, collaborate, and share experiences with other imusify users.

Equally as important, the imusify network leverages the flexibility of decentralized systems to connect users in exciting ways. imusify's tokenized structure provides the IMU utility token to allow users to conduct transactions within the music smart economy.

## **IMUSIFY PLATFORM COMPONENTS & FEATURES**

imusify presents several features and functionalities that help users realize their intentions, from direct consumer-to-creator transactions, artist crowdfunding campaigns, and content licensing protocols. In addition to the features imusify provides to its community, the open-source platform allows users to build new use cases that deliver value and build connections using imusify's smart contract system.

Secure, transparent digital identities allow artists, consumers, producers, managers, venues, record labels, and other music stakeholders to establish an electronic identity as a means to interact, collaborate, and conduct transactions with other users. Users with music related digital identities can issue content, experiences, and projects as digital assets in order to protect their ownership of their creative work, and track its life cycle within the music economy. Smart contracts allow for music digital identities to trustfully

conduct transactions. For example, an artist who registered digital identity distributes an album as a digital asset can use a smart contract to sell the asset to consumers and automatically receive payment from the transaction. To achieve that, the platform incorporates a number of components.

## **COMPONENTS**

The key distinguishing features of the imusify platform as compared to the existing indirect competitors rely on the blockchain technology, particularly the NEO ecosystem and platform, to power its operations. They are briefly explained below as follows:

### **(i) Blockchain Technology:**

While best known as the underpinning technology of emerging cryptocurrencies, the implications of blockchain technology reach much further than just the creation of a digital economy. In the case of imusify, blockchain enables automated tracking of the content flow and execution of transactions of the closed-loop currency IMU(ϑ) via smart contracts.

### **(ii) Smart Contracts**

Smart contracts are protocols that facilitate credible transactions between users without the need for a third party or intermediary. imusify leverages NEO smart contracts to create a secure, democratic, censorship-free platform. With the use of smart contracts, artist's digital assets can be self-managed achieving a music "smart economy" within the NEO established a network.

### **(iii) Neo Smart Economy**

Through technologies such as P2P networking (via TCP and WebSocket), dBFT consensus (to guarantee fault tolerance), digital certificates (NEO smart contracts), superconducting transactions (supporting up to 10,000 tps as opposed to 15 tps on the Ethereum network), and cross-chain interoperability (the NeoX patent), the NEO community is able to organize networks like imusify to manage smart assets in an efficient, safe, and legally binding manner.

**(iv) NeoVM - Universal Virtual Machine**

NEO uses a lightweight virtual machine with short booting times and low consumption of resources, which will be utilized by imusify to run the underlying smart contracts on the main chain.

**(v) NEP-5 Token**

The NEP-5 Proposal outlines a token standard for the NEO blockchain that provides systems with a generalized interaction mechanism for tokenized Smart Contracts. The imusify platform uses the NEP-5 standard token to create IMU(ϑ) tokens - a closed-loop cryptocurrency, which acts as a store of value and transaction vehicle on the imusify platform.

**(vi) Digital Identity**

Within a smart economy, digital identity refers to the identity information of individuals and groups/organizations in electronic form. These identities offer a secure end-point for individuals to conduct transactions with others. The NEO “web-of-trust” compliance protocol also presents a key competitive advantage for imusify to differentiate itself over other music blockchain platforms. Using a “trustful,” as opposed to a “trust-less” system, digital identification exists to tie transactions to verified individual identity, conveniently supporting compliance with existing and future government regulations.

**(vii) Digital Assets**

Digital assets are programmable physical assets that, when registered through a validated digital identity, are protected by law. By establishing a trustful association between digital assets and identities, users can register, trade, and circulate assets to conduct business. Through technologies such as P2P networking (via TCP and WebSocket), dBFT consensus (to guarantee fault tolerance), digital certificates (NEO smart contracts), superconducting transactions (supporting up to 10,000 tps as opposed to 15 tps on the Ethereum network), and cross-chain interoperability (the NeoX patent), the

NEO community is able to organize networks like imusify to manage smart assets in an efficient, safe, and legally binding manner.

**(viii) Tech Stack**

IMU(ϑ) Token: NEO NEP5

Smart Contracts: NEO e.g.;

<https://github.com/imusify/smart-contract-incentify>

Applications: Javascript on Android, iOS and Electron (desktops)

Central Infrastructure: None.

## **PLATFORM FEATURES**

**(i) Crowdfunding Engine**

On the platform, artists can launch crowdfunding campaigns to fund music products like albums, videos, and tours. Artists have the power to offer, if they choose, a reward for their supporters in the form of early access to content, tickets, merchandise, and VIP fan experiences. Artists also have the option to engage supporters more fully by providing affiliate licenses, where fans who support an artist can profit directly by promoting and selling content within their networks. This functionality re-envision the current equity-based music economy by giving independent artists the exposure they need to create sustainable growth and providing opportunities for fans and supporters to play a direct role in individual and industry growth as a whole.

**(ii) Transparent and fair payments**

As a music sharing platform, imusify automatically compensates artists on a per-stream basis by distributing funds directly to the imusify wallets of the individual or group of the given song's rights holders. The system's streaming platform is also designed to allow artists to offer discounts to a group of fans or during a certain promotional period. Per-stream rewards are monitored by imusify to ensure that compliance standards and regulations for royalty payments are met in relevant jurisdictions.

**(iii) The marketplace of Music Industry Participants**

imusify is a place for all aspiring entrepreneurs, artists, and industry members to network and create communities. This marketplace allows participants to execute transactions pertaining to various business development or creative services and products including videography, production, advertising, content design, promotion and all other media-related or creative content. Product suppliers will also be able to list their products on the imusify marketplace to be sold directly to artists and supporters. An independent musician can now utilize this functionality by taking his earnings directly to the marketplace, and pay producers or engineers directly or update his home recording equipment without ever using a fiat currency.

#### **(iv) Reward System**

In addition to rewarding artists for streaming royalties of their creative content (music), imusify's reward system is designed to incentivize quality contribution and curation on the platform by rewarding creators of social content (posts, playlists, comments) for certain actions. For example, curators can be rewarded for high-quality contribution by receiving micropayments (similar to the size of artist royalty rewards) each time users subscribe or share the curator's playlist. This improved system poses several advantages, from eliminating the need to release new tokens into circulation from imusify to reduce the possibility for the system's manipulation by profiteers and scammers.

#### **(v) Decentralized Exchange**

In order for artists and various user types to interact intuitively with the platform and conveniently realize their payments and rewards, it is crucial for there to exist a simple and convenient means to exchange IMU tokens to fiat and other currencies. imusify will integrate the NEON Exchange's API to offer an in-platform exchange functionality that allows imusify users to exchange their tokens to other forms of currency instantly. While the technology is still being polished, imusify aims for full use of the API to be available to users by Q3 2019.

#### **(vi) Co-evolutionary copyright management**

Harnessing the security and immutability of imusify's decentralized data ledger, imusify will implement a multi-layered protocol that allows content creators to manage ownership rights and licensing information. Adaptable tools give artists complete control over their content and each revenue

stream it generates. An artist uploading a new song to the platform can, for example, recognize the contributions of songwriters, a band, and others involved in the creation of the song by assigning them ownership rights. Once the new song generates revenue (through streaming, synchronization, etc.) it will be distributed accordingly.

## **SYSTEM ARCHITECTURE**

The imusify platform uses user personas to categorize user interactions and reward

IMU tokens accordingly. When an individual signs up to use the platform they receive a user identity. The user withholds all identity information and serves as the reputation point for personas to be created on top of it. New personas are created either automatically, when a user commits a certain action, or by voluntarily creating a new persona to conduct a certain action. Personas and asset classifications are architectural system components used to build an organized and seamless UX for users to conduct different actions.

### **(i) Consumer Persona**

When a new user goes to listen to music content on the platform, a consumer persona is automatically created to retain the data pertaining to all of that mUser's consumer actions. A user's consumer persona allows them to purchase and stream content, join social communities, support artist campaigns, and earn rewards for curating content.

### **(ii) Artist Persona**

A user can also create an artist persona, which allows them to collaborate with others to produce new content, publish and promote that content on the imusify platform, and receive IMU payments for sales and license. The artist persona can also create a group persona of several individuals who work together to produce a certain piece of content.

### **(iii) Collaborator Persona**

Similar to the artist persona, the collaborator persona allows various types of creators (producers, videographers, instrumentalists) to join groups created by artists.

**(iv) Venue Persona**

Lastly, users can create personas to represent physical entities. For example, the proprietor of the performance hall may create a venue persona to promote their physical space as one of imusify's venues. Artist, collaborator, and venue personas can also list their services offered on the imusify marketplace. imusify's unique marketplace allows various personas from around the world to connect, collaborate, and contribute to each other's creative works.

**(v) Content Assets**

User personas produce and interact with various digital assets on the imusify platform.

A content asset represents a piece of digital audio content that exists on the imusify platform. An artist or collaborator persona can create a content asset. Each content asset maintains a record of all user interactions with the asset and uses this record to calculate how users are rewarded. The user reward system will be discussed in the next section.

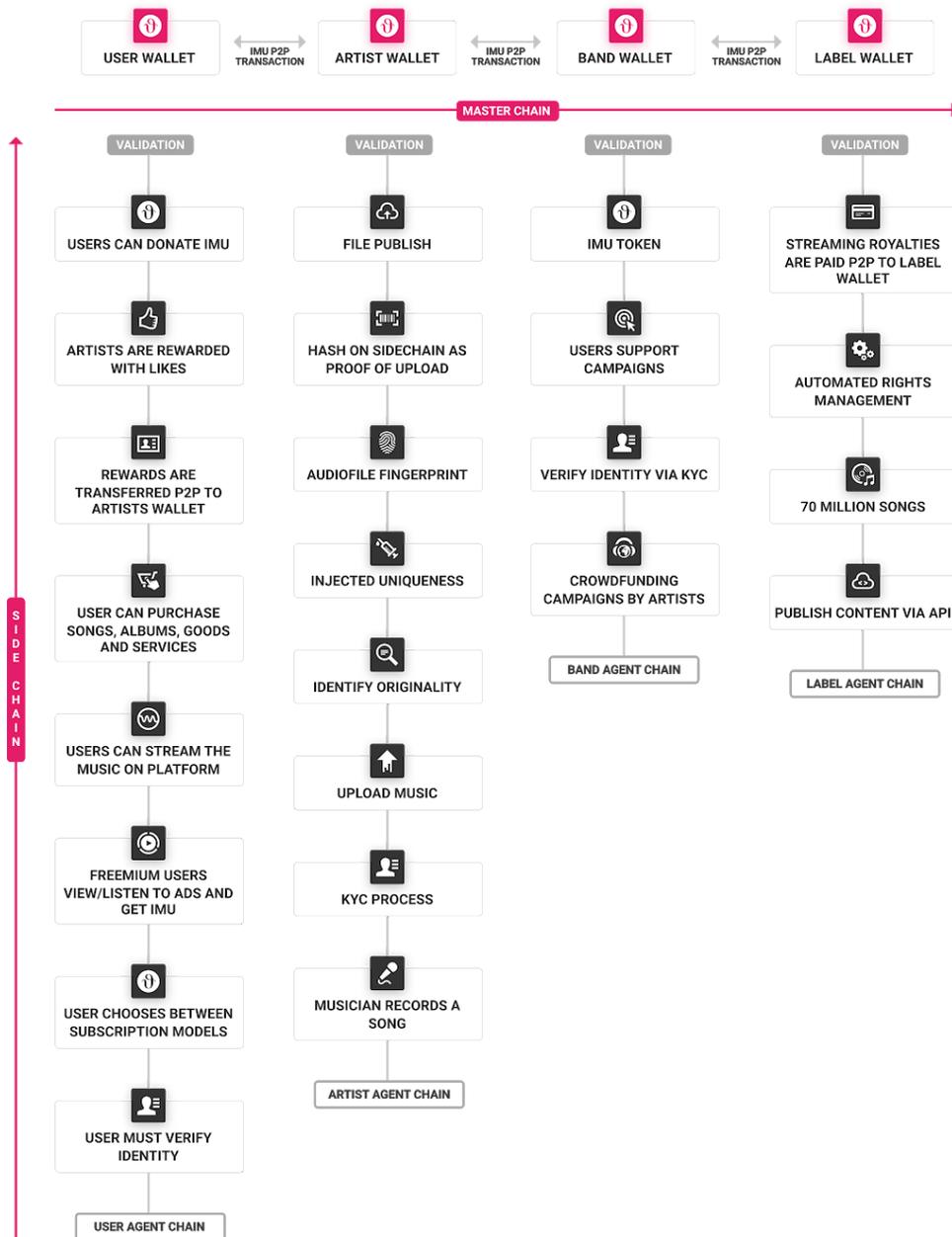
**(vi) Project Asset**

A project asset encompasses the content assets of an individual or collective group of artist and collaborator personas. When multiple personas collaborate in the writing, recording, and production of content assets, a project asset serves to attribute credits to the contributors to each of the project's songs.

**(vii) Campaign Asset**

Individuals or groups may choose to spawn a crowdfunding campaign asset in order to gather the necessary resources to accomplish the project asset's proposed endeavors. The campaign asset uses a smart contract to automatically and transparently distribute the raised funds to the project's contributing personas.

## PLATFORM ARCHITECTURE



**PURCHASE IMU**  
User can enter the platform with any common currency, i.e. €, \$, Pound, BTC, ETH, NEO, GAS, etc. via integrated 3rd party exchange or by purchasing IMU on any exchange where IMU is listed.

**IMU TOKENS**  
His funds must be converted to IMU, which is the lead currency on the platform.

## **TARGET AUDIENCE**

The imusify platform is being designed to serve a large and diverse pool of target audiences and allows for fluid transitions between various personas. It is intended to provide a marketplace for various services, a platform for distribution of content, and a source of revenue for industry executives, such as labels and music agents and managers. Most importantly, it allows a passive consumer to take on the active role of content curator, or producer, and earn additional income on the platform.

## **CONTENT CREATORS**

With varying types of content on the imusify platform, creators can range from a listener, a new artist or an executive producer. Anyone can join, contribute and be rewarded. This free, blockchain based, incentivized and decentralized platform allows for music related digital content such as audio, video, apps, images, and blogging to be created on a collaborative basis between different users.

## **THE “CRYPTO-COMMUNITY”**

It is apparent that cryptocurrencies are more than an alternative form of payment and have already begun to change the global economic landscape over the past few years with the implementation of the existing blockchain technology. Through collaboration with the NEO network and the City of Zion developer community, imusify has emerged with a vision for all creators to have complete ownership over their intellectual property and the rights being divisible as agreed upon by all parties. On this more sophisticated network, smart contracts offer a vehicle for realizing and administering beneficial digital agreements. Therefore, imusify becomes ‘its’ very own entirely decentralized cryptocurrency ecosystem. imusify’s community is united with the intention to make imusify’s platform the foundation on which the global music economy will evolve.

## **THE EXECUTIVE**

Artists rely on various other stakeholders to aid them with the production and promotion of their music. In the traditional music economy, such executives and businesses receive partial ownership on the music and are entitled to royalty payments. The imusify platform provides the executives with a new marketplace where they can offer their services to artists. They can collaborate with artists and provide their services in exchange for

automatically receiving a portion of the reward, received by the artists through the reward system.

## **THE INFLUENCER**

Established industry professionals and well-known artists come to the platform to share their own songs, produce new content, collaborate with other artists, and mentor new talent. By bringing in their sphere of influence, interacting with users, and receiving up and down votes, they can increase their reputation and overall influence on the platform, as well as connect to a wider audience.

## **USE CASE EXAMPLES**

Staying true to its vision, the imusify platform is intended to provide for numerous use cases, depending on the specific situation and aspirations of the individual users. Some such use cases are outlined below to show how each user can utilize the imusify platform to further their interests.

### **(i) DJ / Producer**

Online music platforms have been an integral part of any DJ/producer's rise to fame. There have previously been problems with rightful owners of music getting their content taken down by their own record labels, which will be solved with imusify's blockchain powered rights management system. The rights situation for mixes is fairly complicated, where the rights to play a song in front of a live audience, does not necessarily imply the right to share it online. With music detection software a DJ can instantly pay the appropriate licenses for the tracks in the mix. Moreover, with the user-curated channels and instant buying options, finding music while preparing sets has never been easier. Currently, many DJs discover music on Soundcloud, Spotify, and other channels, and then have to find a way to buy this music in ultrahigh quality digital formats for use on large sound systems. With imusify, this could all be done on one platform.

### **(ii) Emerging Rapper**

As the biggest influencer of mainstream commercial music for over 10 years, Hip Hop is inevitably going to be one of the biggest genres of imusify. Artists like Fat Nick, Lil Pump, are now touring the world after gaining fandom on Soundcloud. By using imusify, a talented rapper will earn 9 IMU from the first

moment his/her content becomes popular. Later, managers, bookers, and other content buyers can purchase the artist's music rights on the platform without any need for a record company.

### **(iii) Casual Filmmaker**

The market for synchronization rights, or many different use licenses for music, lacks transparency and is not well developed online. The casual filmmaker can find music on imusify and seamlessly purchase the correct license with  $\mathfrak{g}$  IMU, secured by the blockchain.

### **(iv) Discovery Guru**

Everybody knows a person like this. He/she is always in the know of what's new and cool. Everyone follows this person's Spotify and SoundCloud accounts to see what is shared. This is an amazing skill that requires an enormous amount of time. This music lover invests it gladly though because of the thrill of discovery and the goosebumps when hearing an amazing new track. Now, with imusify, this skill can be monetized for the first time. By becoming a curator on imusify, these gurus can get the recognition they deserve and monetize their efforts just by doing what they love. Along with artists, these users are the driving force behind imusify, and they can now get compensated for their time and deliver high quality curated playlists.

## **PLATFORM INTERACTIONS**

imusify's initial smart contract is designed to complete our token sale, existing as a modified NEO Smart Contract template to meet our specific needs. This initial contract will have basic functionality and distribute IMU to token sale participants. Following the token sale, the platform will be designed by integrating the initial smart contract with additional protocol layers to provide maximum security and flexibility for all users of the platform.

## **USER RECORDS**

The key technical value of imusify's cryptographic security protocol is its ability to store and reference verifiable user and content information. Upon registration (having gone through KYC/AML), a user record is stored on

imusify's data integrity engine, containing a reference key that allows imusify to reference information from KYC/AML providers to verify user identity when necessary. Similarly, each time a registered user creates a new persona, a personal record is stored and linked to the creator's user record. In this way, each action committed on the platform can be verifiably linked to a corresponding user and persona. This verification process serves to eliminate undesired behavior and negative network interactions.

## **CONTENT ASSETS**

When verified users upload content, a similar content record is created to house that piece of content's identity information. Content records include the owner(s) of the content's rights, the percent breakdown of owner's rights (if necessary), and the user who uploaded it.

## **DISTRIBUTED STORAGE**

It is imusify's goal to ultimately store all data in a decentralized fashion. With this in mind, it is important to note here the relationship between on-chain hash records and off-chain data storage. The greater technical system involves an automated verifier that periodically checks to make sure that the data and actions stored off chain correspond to the hash records on-chain. With this method, imusify harnesses the power of blockchain's immutability without facing the complications that come from making smart contract calls that contain large data files.

## **ACTION LOGS**

We now can see how imusify uses a combination of on and off-chain storage to track user and content information. Each time a user commits an action with a certain piece of content, an action record is created and stored on-chain in the form of a hash. Over time, this architecture will allow for 'millions' of action records to be recorded each day without compromising the integrity of the smart contractor creating significant storage costs. Action logs are stored on-chain in order to provide verifiable user data for a variety of uses.

## **RIGHTS MANAGEMENT**

The current landscape of copyright management for musicians around the world is quite ineffective and inefficient. Unfortunately, the organizations at play hold the legal power to force artists and consumers of certain works to

comply with a complex list of rules and royalty requirements. imusify provides a solution for decentralizing the management and monitoring of ownership rights, and consumption data that we hope puts pressure on the incumbent organizations to update their infrastructure dramatically. Because each jurisdiction has its own regulatory requirements, imusify will not attempt to find a “gray area” or navigate under the radar in terms of rights management and royalties. Instead, we will implement our decentralized rights management system as a supplemental tool for artists and consumers to view verifiable rights records (yet not legally “copyright”) to provide valuable consumption data to artists about their content. We believe this tool will demonstrate the potential for widespread decentralization of rights management, and push the music industry to evolve towards it.

## **IMU TOKEN – THE ECONOMIC ENGINE OF THE imusify PLATFORM**

With imusify being a distributed application, special attention was given to the token economics of the business model.

The IMU(ϑ) Token is a cryptographic token, allowing users of the imusify platform to interact with the platform, utilize its services, and transact with one another. It is a NEP5 standard token, powered by the NEO blockchain network for smart economy.

The function of the IMU Token is trifold. It may be seen as a multi-purpose voucher, allowing the users to enjoy the services on the imusify platform. It also serves as a closed loop currency – the store of value, and transaction vehicle enabling users to buy and sell goods and services on the platform to one another directly. Lastly, it is a discount token, allowing the participants of the various stages of the imusify Token Sale to obtain these units of value at a discounted price.

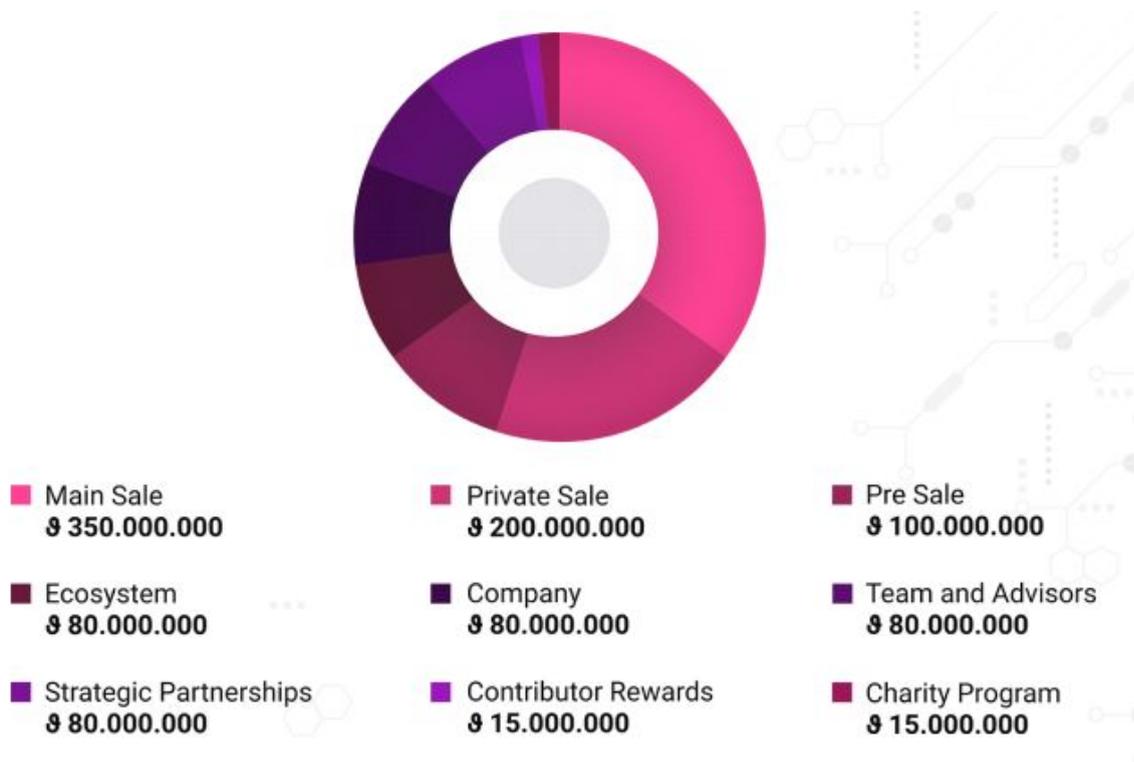
### **USE CASES FOR IMU TOKEN**

Specific use cases for the IMU token include the following:

- + Provide reward payments to artists on a per stream basis
- + Reward users for curating and contributing to content
- + Purchase and license content
- + Crowdfund artist content projects
- + Exchange of value between service providers and creators

## TOKEN DISTRIBUTION

The total supply of 1,000,000,000  $\text{IMU}$  tokens will be distributed in an effort to maintain the long-term value of the imusify platform and network while taking into consideration the basic economic factors that can affect the viability of a utility token.



## TOKEN ECONOMICS AND MITIGATION OF VOLATILITY

The nominal value of  $\text{IMU}(\text{₹})$  tokens will be set by imusify. They will be sold in the imusify Token Sale at a discount. The imusify platform will allow users to exchange  $\text{IMU}(\text{₹})$  Tokens for other cryptographic tokens and cryptocurrencies, as well as fiat money, by integrating third-party services (e.g., Switchero and B2Broker). Such possibilities bring about the question of the value of  $\text{IMU}$  on the secondary market.

One of the critical features of the imusify platform is its function of the closed-loop digital currency on the platform. The relative stability of the  $\text{IMU}(\text{₹})$  Token value may thus be a factor for the fair distribution of compensation between the users, contributing to the growth and

development of the ecosystem. The value of goods and services on the platform will thus be calculated in USD, despite being denominated in IMU(₯), to ensure stability.

Outside of the aforementioned on-platform programs, the value of IMU(₯) will be heavily influenced by the underlying economic laws of supply and demand. With the IMU(₯) supply limited to 1,000,000,000 units, the price may increase with the mass adoption of the platform.

That said, the users are urged not to speculate, as the purpose of IMU(₯) is not to play a role of investment vehicle, and are encouraged to periodically exchange their IMU(₯) for other cryptocurrencies through integrated exchanges and services to cost-average.

Our partnership with B2Broker and other such third party service providers will allow our users to set their own parameters for exchanging IMU into various other currencies, including fiat currencies through their platforms. Seamless exchange of IMU will allow each user to ensure appropriate cost averaging and prevent them from being subjected to inevitable volatility of the IMU outside of the imusify platform, while re-calculation of value of services within the platform, will ensure, that every user is provided appropriate amount of IMU for their service or use of their content.

## **IMUSIFY TOKEN SALE INFORMATION**

A portion of IMU(₯) tokens will be sold in imusify Token Sale, organized by IMUSIFY OÜ. Institutional token buyers, and individuals who meet applicable conditions and thresholds to qualify as accredited/experienced participants will be invited to participate in the Private Sale in which imusify is aiming to collect up to \$5,000,000 of seed capital[15]. Remaining IMU(₯) Tokens will be sold to the public at the later stages of the imusify Token Sale, under the terms and conditions published on the imusify website. The IMU(₯) tokens will be sold with significant discounts during the token sale.

After the imusify Token Sale, users will be able to purchase and exchange tokens on various exchanges. At this point, imusify has

confirmed partnerships with O3 - mobile wallet and exchange, and Switchero - a decentralized exchange.

For the purposes of participating in the imusify Token Sale, any token buyer will need to undergo a know-your-customer procedure as required by applicable KYC/AML laws and regulations. Participants from certain restricted jurisdictions (in particular United States of America, Canada, Republic of Korea and Singapore, as specified in more detail in Terms of imusify Token Sale as published on our website [www.imusify.com](http://www.imusify.com)) will not be eligible to participate in the Token Sale. The Whitelisting process is already opened. You can register to participate in the imusify Token Sale at [tokensale.imusify.com](http://tokensale.imusify.com).

***Maximum IMU supply: 1.000.000.000***

***IMU For sale: 650.000.000***

***IMU Price: 0.05 USD***

***Currencies accepted: USD, EUR, NEO, Bitcoin (BTC,) Ether (ETH), Litecoin (LTC), Dash (DASH), Bitcoin Cash (BCH), Tether (USDT), Monero (XMR), Ripple (XRP), OmiseGo (OMG)***

## **PHASES OF imusify TOKEN SALE**

The imusify Token Sale is split into three phases, as explained in more detail below.

### **PHASE I - PRIVATE SALE**

In the Private Sale, the 200,000,000 IMU Tokens are offered to institutional contributors, and individuals who meet applicable conditions and thresholds to qualify as accredited/experienced participants at 40% discount, or special – individually negotiated conditions. The Private Sale is already in progress.

### **PHASE II – PUBLIC PRE-SALE**

Upon conclusion of the Private Sale, a limited amount of 100,000,000 IMU Tokens will be offered to the general public, alongside with any tokens that were not sold in the Private Sale at 30% discount. The

Whitelisting process is already opened. You can register to participate in the imusify Token Sale at: [www.tokensale.imusify.com](http://www.tokensale.imusify.com).

### **PHASE III – PUBLIC SALE**

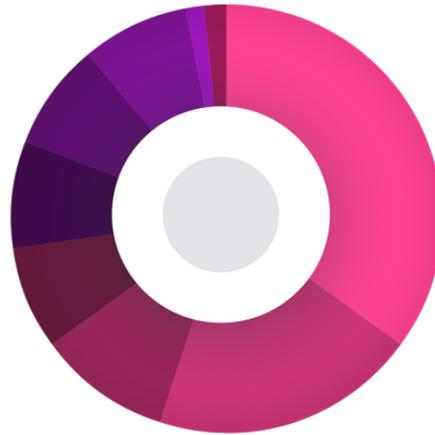
The Public Pre-Sale will be followed by the Public Sale, where the designated amount of 350,000,000 IMU Tokens, alongside with any previously unsold tokens, will be offered to the general public, at various discounts, outlined below.

<b>Sale Name</b>	<b>Discount</b>	<b>Price</b>
Private Sale	50%	\$ 0.025
Pre Sale	30%	\$ 0.035
Main Sale 1	12%	\$ 0.044
Main Sale 2	09%	\$ 0.0455
Main Sale 3	06%	\$ 0.047
Main Sale 4	03%	\$ 0.0485
Main Sale 5	00%	\$ 0.05

### **OBTAINING AFTER THE imusify TOKEN SALE AND OTHER OFFERS**

We have reserved a portion of IMU tokens for various special offers, such as our Bounty Program [LINK], and Airdrop Campaign [LINK]. Any tokens that remain unsold in the imusify Token Sale, plus the 80,000,000 tokens reserved for the company will be sold without discount at a price set by imusify to the users. You will also be able to purchase and exchange the IMU tokens on a number of crypto exchanges. Note, however, that we do not control the price of the IMU on such exchanges, and volatility may occur. The IMU is not meant as an investment vehicle, and we strongly discourage any speculation.

## TOKEN SALE ALLOCATION



■ Main Sale  
\$ 350.000.000

■ Private Sale  
\$ 200.000.000

■ Pre Sale  
\$ 100.000.000

■ Ecosystem  
\$ 80.000.000

■ Company  
\$ 80.000.000

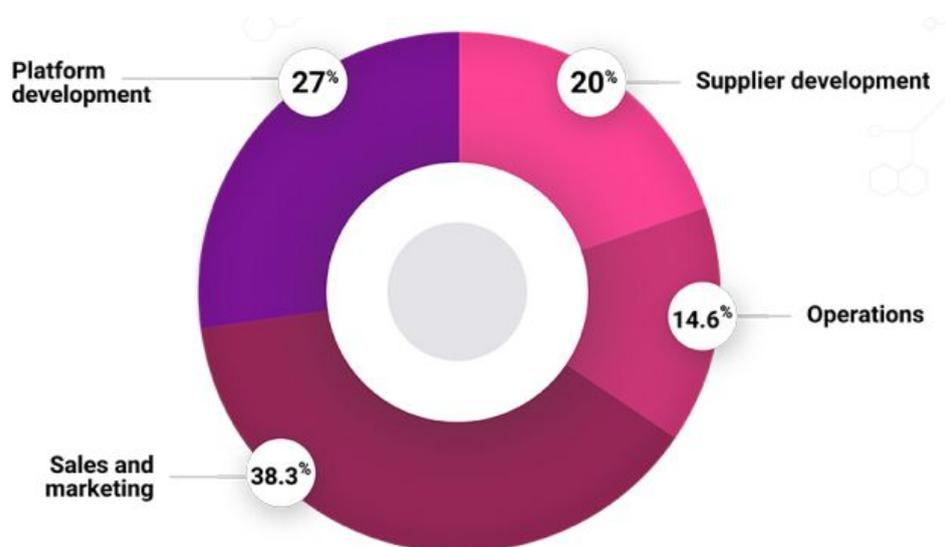
■ Team and Advisors  
\$ 80.000.000

■ Strategic Partnerships  
\$ 80.000.000

■ Contributor Rewards  
\$ 15.000.000

■ Charity Program  
\$ 15.000.000

## USE OF TOKEN SALE PROCEEDS



Platform development  
27%

Supplier development  
20%

Operations  
14.6%

Sales and marketing  
38.3%

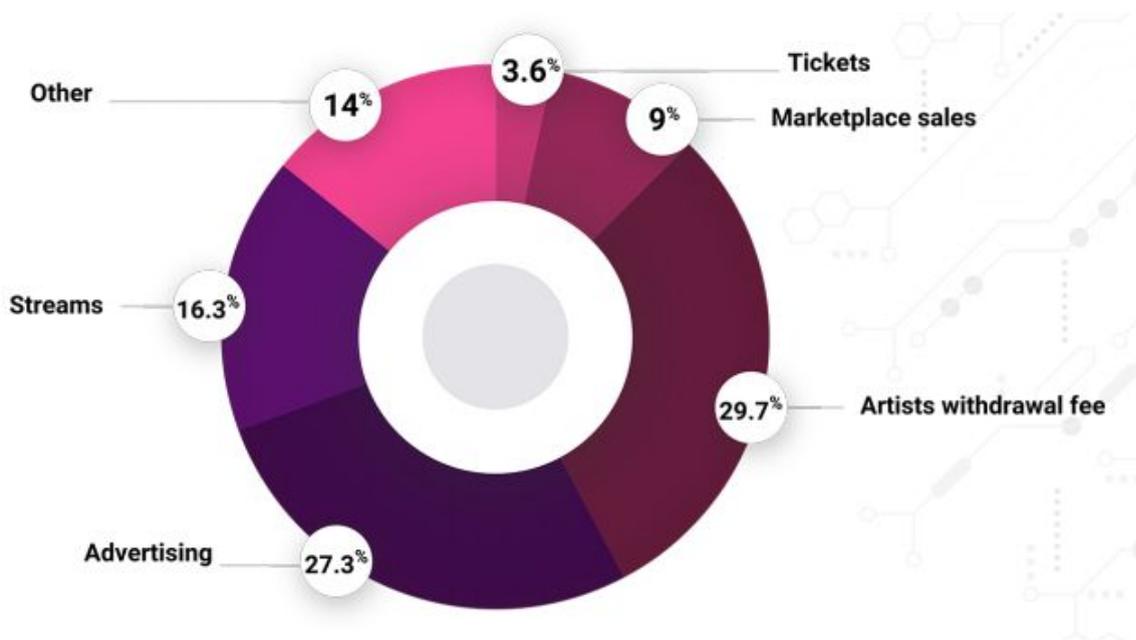
## IMUSIFY BUSINESS MODEL

Our business model builds on the proven business models of crowdfunding platforms (Kickstarter, Indiegogo, BandCamp, etc.), music streaming services (Spotify, SoundCloud, iTunes), and harnesses the network effect of social networks (Facebook, Snapchat, Instagram) and multimedia sharing platforms (YouTube, Vimeo, Soundcloud).

The success of the imusify business model depends on the number of registered users. After the initial boost, created by the imusify Token Sale, we will leverage the network effect, as the artists will be compelled to bring on their fan base to the platform. The process will be further accelerated through partnerships with big labels. We are proud to say that the prototype accessible at [www.imusify.io](http://www.imusify.io) already has over 800 users, despite the fact that it is not even meant as a fully-fledged product and has not been actively marketed yet. We find this to be an indication of interest.

Based on the analysis of these models, we decided for 2% transaction fee on all transactions on the platform as the main source of revenue, and we expect \$3.9 ARPU. We should reach the “break-even” point at about 2.8 million users in 2021.

## PROJECTED REVENUE STRUCTURE



# IMUSIFY STRONG POINTS

## UNIQUE TECHNOLOGICAL SOLUTIONS

The imusify platform will deploy a number of new technological solutions to address the inefficiencies of the music industry, as well as the barriers to adoptions, hindering mass-adoption of decentralized applications outlined in the previous chapters.

## SPLITTING PENNIES

The imusify platform is based on pay-per-stream/download model, where everything a user does is paid for automatically and instantly. This revolutionary approach requires transacting amounts significantly smaller than \$0.01, which means, that we need a way to split pennies. IMU(θ) is infinitely divisible, enabling us to price a stream at about half a penny. We can even further divide that half a penny to allocate the proceeds of the stream fairly to the contributors of the content.

## COMMUNITY CONTENT CURATION:

The imusify platform puts content curation into the hands of the community by turning it into a money-making endeavor. If a song is streamed from a playlist, the listener pays a small premium, which is paid-out, to the curator. It doesn't stop there. Music can be upvoted, or shared, and the community can post and comment. By monetizing all interactions on the platform, we incentivize the community to produce engaging content. All rewards come from actual users, just like in a real-world economy.

## AGENT-CENTRIC INSTEAD OF A DATA-CENTRIC MODEL

One of the main barriers to mass adoption of distributed applications is the limited scalability due to the fact that traditional blockchain networks require all the nodes in the network to hold a full copy of the entire blockchain. Moreover, for a transaction to be verified at least

some kind of majority of nodes need to see the transaction and agree with it. Because the internet has a limited bandwidth, this takes a while. This is known as the propagation delay. The scaling issue can thus be broken down into two components: 1) transfer speed, and 2) file size of the transactions. We cannot influence the former, although we know it will get higher over time, but we can influence the file size.

In our agent-centric model, every user (“agent”) has their own ledger - the “agent chain.” This chain is backed-up by a number of other users, but not copied to everyone in the network. It contains all the actions the agent has performed on the platform. It is and communicates with the “NEO-based main chain” that acts as the validator. This allows us to minimize the amount of information it holds, decreasing the file size by holding the minimum amount of information necessary.

In case a problem is detected by the main chain’s consensus system, the applicable agent chains are referenced to audit in detail what went wrong. This system will allow imusify to scale way further than if all transaction details were stored on the main chain.

## **DATA SECURITY AND IDENTITY VERIFICATION:**

The imusify platform allows users to use pseudonyms, but only after completion of the know your customer (KYC) process by a third party service provider, to establish a digital identity of an individual. The identification data is never disclosed on the network. However, attached to the user ID is an encrypted key that points to their ID verification data, and this is part of the user’s private key to sign transactions. The function of all this is to make it very difficult to create fake accounts and dilute the network, or commit fraud and stay anonymous.

## **CONFIRMED PARTNERSHIPS**

### **MUSIC INDUSTRY**

The project is gaining interest in the music industry, and we have already established a number of partnerships with various players, and are negotiating with others. So far we have confirmed partnerships with:

**(i) Mad Ruk Entertainment**

An industry leader in music videos and visual content creation; collaboration with Mad Ruk has given us the insight and resources necessary to design a compelling content strategy for our platform's launch.

**(ii) Legion of Creatives**

A professional network of creators, collaborators, and pioneers in the entertainment space; the LoC leadership has a unique perspective on the entertainment industry, with a pulse on each industry participant from recording artists, to corporate executives, to freelancers of all kinds. This perspective has been invaluable in designing imusify to accommodate for the intricacies and nuances of the music, and broader industry

**(iii) Rondo Music**

A global presence in electronic music; partnership with Rondo has provided unparalleled access to electronic music artists from around the world. Dozens of artists have begun to create Rondo x imusify exclusives- live sets recorded exclusively for the imusify platform upon its launch.

**(iv) HERD Label**

A label that provides upfront funding, distribution, and digital marketing expertise for high growth music artists, to build and maintain their momentum.

**THIRD PARTY SERVICES**

We have also built relationships and partnerships with various third-party service providers, who are supplying us with their services and technologies.

**(i) B2Broker**

Offers FX, CFD, and Cryptocurrency liquidity via multiple ways of connection using their proprietary aggregator B2BX and now appears as a major provider for Forex Brokers, Crypto Exchanges and even some banks and other Prime Brokers. It will enable seamless exchange between fiat and cryptographic tokens for the imusify platform, and ensure liquidity of IMU(9).

**(ii) Switcheo**

A Multi-Chain Decentralised Exchange that allows for trading and exchanging of NEO & NEP-5 Tokens, which will enable seamless exchange between fiat and cryptographic tokens for the imusify platform, and ensure liquidity of IMU(9).

**(iii) O3**

A gateway and mobile crypto-wallet that provides access to the NEO blockchain. The user will be able to manage digital assets in a simple and secure way directly from your mobile device.

**(iv) Red4sec**

The auditing company that has worked for numerous high-profile clients, such as NEO, Ubiquiti Networks, and the City of Zion, and helped improve the security of companies such as Google, Microsoft, and Oracle's MySQL through responsible disclosure.

## **TRACK RECORD**

Despite the fact that imusify is a young startup venture, we have already achieved a lot. Our team is growing rapidly, and we have accomplished some significant feats, such as the following.

**(i) Award-winning prototype**

In November 2017, imusify won an award for second place in the inaugural CoZ (City of Zion) dApp Competition. The prototype has since been deployed on the test-net, made available at [www.imusify.io](http://www.imusify.io) and opened to the public. We are delighted to see the “user base” growing and exceeding 800 users at this point, which shows interest in our product. We are certain that the user base will grow exponentially as we deploy our beta platform, which is currently in development, and put more funding into marketing efforts.

**(ii) Support of NEO community and presence in the crypto sphere**

We have participated in a number of crypto/startup related events all around Europe and in a 10-day roadshow in Japan (Tokyo-Osaka-Fukuoka) organized by NEO Japan, presenting the imusify platform as the flagship of NEO-based distributed applications. We reached over a hundred thousand people via social networks, blog posts, and live events, and presented our use cases and technology to the interested public, professors and officials, and even Yahoo Japan development team and received overwhelmingly positive feedback.

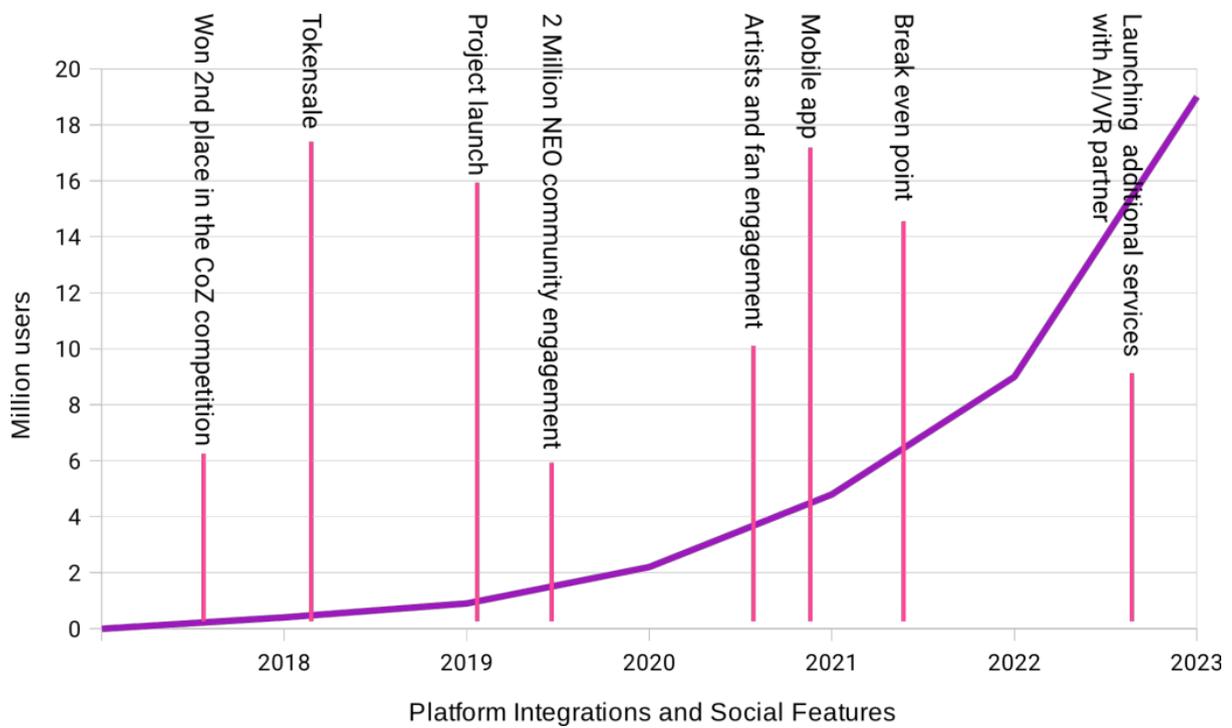
**(iii) Gaining traction**

We have already reached tens of thousands of people via social networks, blog posts, and live events. We accomplished this with minimal funding of \$150,000, procured by early angel investors, and the core team.

With additional funding, we will engage heavily in social media marketing campaigns, content marketing, and promotion of the imusify brand through influencers and brand ambassadors. Furthermore, we will start a series of events, crucial one being a competition of musicians for the first five crowdfunding campaigns, to be launched immediately after the conclusion of the imusify Token Sale, whereby we will award the winning projects by matching the funding they collect in their crowdfunding event.

Such marketing efforts leading up to, and following the imusify Token Sale, will generate momentum, allowing us to quickly onboard a large number of users, and harness the network effect. We already confirmed some, and are currently negotiating additional partnerships with major players in the music industry, that will help us onboard well-established artists with a large fan-base.

# ROADMAP



# TEAM AND COMPANY INFORMATION

## COMPANY INFORMATION

The company IMUSIFY OÜ is established and registered in the Republic of Estonia, with its corporate address at: Viru Väljak 2, 3rd floor, Tallinn, Estonia, EE-10111, and represented by David Walters (CEO).

We choose the Republic of Estonia as the place for incorporation due to a relatively clear stance of local authorities and security market regulators on the treatment of enterprises performing token crowdsales (ICOs), its stable political environment, and access to the European common market (EEA).

The company does not require significant infrastructure or facilities for the conduct of its business operations and allows for a lean model of operations. We do however expect to create a holding company with multiple subsidiaries to organize our global operations as the platform grows.

## TEAM



### **David Walters**

Chief Executive Officer

Entrepreneur & Musician, started writing songs at 8, recording in studios at 14, signed his first record deal at 16, released and featured on multiple singles and LPs, toured through Europe, produced and managed multiple acts, 10+ years experience in startups, finance and investment, managed a portfolio for Generali and now fulfilling a long time dream to create a platform which enables artists multiple sources of income. Passionate about creating disruptive sustainable ecosystems that make the world a better place.

<https://www.linkedin.com/in/1davidwalters/>

<https://github.com/DavidWalters123>



## Tadej Krevh

Chief Technology Officer

Senior Lead Full Stack Engineer and CTO of two companies. 20+ years experience in software development, system design and architecture, cloud infrastructure, scalable and distributed applications and systems integrations.

<http://si.linkedin.com/in/tadejkrevh/>

<https://github.com/tkrevh>



## Dina Yedigeyeva

TeliaSonera branch

Senior Finance Officer

Entrepreneur and co-founder of a designer fashion brand. More than 15 years of operations experience at Teliasonera branch with a focus on strategic planning, analysis, finance, marketing, customer behavior analysis, and decision making.

<https://www.linkedin.com/in/dina-yedigeyeva-817824141/>



## Jennie Legary

Apple

Chief Marketing Officer

Artist & Entrepreneur. Design, marketing, and business consultant with a background in classical music, real estate, fintech, and early stage startups. Former Apple contractor, with global experience in creative projects focusing on combining music and technology.

<https://www.linkedin.com/in/jenniedlegary/>



## **Austin Palmer**

A&R / Business Development

Significant success in sports and entertainment, worked in the NHL/ NBA, Managed a Grammy nominated artist. With Monumental Sports, ownership group of the Washington Wizards and Capitals, top-ranked revenue generator in my department. Working alongside DC rapper Shy Glizzy, experience in the ins and outs of the music industry.

<https://www.linkedin.com/in/austinfordpalmer>



## **Dr. Rosemary Fitzgerald**

Digital Marketing Manager / NYU

Professor in New York University's Integrated Marketing Master's Program for over 15 years where she has developed her own leading Shark Tank panel, Corporate Officer and Partner at Spiderweb Studio, Speaker and panelist for industry events.

<https://www.linkedin.com/in/rosemarygfitzgerald/>



## **Gijs Verheijke**

**Rocket Internet**

Business Development

Private Equity investor, 3 years launching and running a job classifieds portal for Rocket Internet in Asia. Former regional CEO of Asia for one of the most exciting companies backed by Rocket Internet.

<https://www.linkedin.com/in/gverheijke/>



## Luka Pregelj

Legal & Corporate Affairs

Extensive experience advising corporations, early stage start-ups, and blockchain entrepreneurs, on matters of corporate governance, regulatory compliance, and operations. Former Associate at international law firm, CMS Law & Tax.

<https://www.linkedin.com/in/lukapregelj/>



## Marco Anibaldi

IOHK Cardano

Product Designer

Veteran technologist, product, and program manager. Working across various industries and geographies for over 25 years; designing, building, and selling creative platforms, web and mobile systems.

<https://linkedin.com/in/anibaldi>



## Nate Strang

Artist Management

Entrepreneur, product designer, and musician. Leader of multi-disciplinary creative collaborations throughout the media industry. Prior experience includes humanitarian efforts at the intersection of business, technology, and creativity.

<https://www.linkedin.com/in/nate-strang-0b60b9b1>

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## Vikas Kalwani

Channel Manager

Channel marketing and digital media expert focused on organic growth to scale business goals for brands and organizations, Former co-founder of Mirakee, an emerging studio musician.

<https://www.linkedin.com/in/vikaskalwani/>



## **Basit**

Backend and Blockchain Development

Full-Stack developer and engineer with extensive experience in blockchain technology, smart contracts, and distributed app development.

<https://www.linkedin.com/in/basitraza1/>

<https://github.com/geek96>



## **Gianluigi Guida**

Attorney

Practicing attorney, licensed in both the EU and US. Dual Master Degree in Global Business and IT Law. Over 10 years of experience with cross-border commercial/IT transactions within multinational corporations as well as legal guidance of early-stage start-ups.

<https://www.linkedin.com/in/gianluigiguida/>



## **Istvan Balinth**

UI/UX Designer

Web designer with a professional degree in Communication and Public Relations. Devoted to designing pleasant and lovely interfaces for an exceptional user experience.

[www.linkedin.com/in/balinthistvan](http://www.linkedin.com/in/balinthistvan)



## Onuwa Nnachi Isaac

Developer

Experienced web and mobile applications developer with 7 years experience building state-of-the-art websites and scalable software applications. Educator and mentor at Google Developer Group Port Harcourt and Sugar Labs; GitLab CE contributor.

<https://linkedin.com/in/iamonuwa>

<https://github.com/iamonuwa>



## Eva Preger

Business Development

15 years of experience in the field of business development, product commercialization and establishing consumer brands.

<https://www.linkedin.com/in/eva-preger-728017153/>

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## Advisors



## Jeremy Khoo

Top 10 rated ICO advisor

Obsessively creative | Started in the ecommerce/retail/events space and exited 3 venture funded companies | Currently interested in blockchain/cryptocurrencies | Involved in ICOs and fundraising - raised > 80M so far | Bringing Group Public in 2018

<https://www.linkedin.com/in/jeremy-khoo/>



## **Elias Tan**

**NEO Singapore / City of Zion**

Co-Founder of NEO Singapore, Director at Moonlight.io by City of Zion, a Core NEO-Ecosystem Project backed by NEO Global Capital and NEO Council, Consultant at 256 Ventures, LLB in Laws, 21 years of professional Jazz Piano, performed for multiple presidents, prime ministers and diplomats.



## **Anders Larsson**

**Allcoinwiki / Ericsson**

Blockchain Advisor / Top 5 rated ICO advisors

Worked in various CTO roles for 20 years creating the emerging technology behind 2G, 3G, 4G, 5G and IoT. Prior Vice President of Mobile Broadband in Southeast Asia & Oceania with billion dollar annual sales responsibility. Built the Ericsson Myanmar start-up from 3 to 600 employees. Blockchain advisor and co-founder of allcoinWiki, a master database for all cryptocurrencies.

<https://www.linkedin.com/in/anders-larsson/>



## **Joakim Holmer**

**Allcoinwiki / Ericsson**

Blockchain Advisor / Top 5 rated ICO advisors

Worked in various CTO roles for 20 years creating the emerging technology behind 2G, 3G, 4G, 5G and IoT. Prior Vice President of Mobile Broadband in Southeast Asia & Oceania with billion dollar annual sales responsibility. Built the Ericsson Myanmar start-up from 3 to 600 employees. Blockchain advisor and co-founder of allcoinWiki, a master database for all cryptocurrencies.

<https://www.linkedin.com/in/anders-larsson/>



## **Chris Hager**

**City of Zion / Red Pulse**

Technical Advisor

Engineer, technologist, CTO of several companies, blockchain developer and member of the NEO Blockchain open source community City of Zion, developer of the award-winning blockchain middleware for imusify which won the CoZ dApp competition, and Director of Engineering at Red Pulse. 20 years of experience in software development, system architecture, cloud infrastructure, operating systems, scalable and distributed applications, blockchain technologies, and mobile applications.

<https://www.linkedin.com/in/metachris/>

<https://github.com/metachris>



## **Khaled Verjee**

**Dubset Media**

Music Industry Advisor

Director at Dubset Media Holdings, an innovative rights management platform that clears UGC for distribution to DSPs and ensures payment of royalties to rights holders. Prior to Dubset, he founded and ran a record label and publishing co as a JV w/Netwek music group. Khaled holds an LLB in law from London school of economics and practiced corporate law at White and Case before moving to capital markets origination at Nomura and Standard Bank of South Africa.

<https://ca.linkedin.com/in/khaled-verjee-81176138>



## **John Gado**

**Roc Nation / Legion of Creatives**

Music Industry Partner

Entertainment industry entrepreneur with experience starting and running record labels, developing platinum-selling artists, creating a clothing line and distributing entertainment content over mobile devices. Prior experience at Roc-A-Fella Records and management company owner of Gado, Inc. Teamed up with fellow Roc-A-Fella alum, Briant “Bee High” Biggs to run Swagger Wireless, a boutique record company and multimedia production house. Head of Business Development at Legion of Creatives and also Chairman of Legion of Creatives Music Division.

<https://linkedin.com/in/john-gado-marcelin-1549393>



## **Marcus Brown**

Music Industry Partner

Blockchain enthusiast, musician and creative visionary with a well-documented track record of successfully fusing music, technology, and pop-culture. As a musician, he’s worked with a variety of brands including Def Jam, Universal Republic, Adult Swim, and Marvel Studios. Social content and marketing wizard, serving clients from grammy award-winning rapper T.I. to the internet’s most innovative sports brand, Bleacher Report.

<https://linkedin.com/in/marcusbrown1>

## **LEGAL NOTICE**

Ownership of IMU(฿) tokens does not represent any participation in the capital of the company nor entitles any rights of payment, remuneration, profit distribution or money reward of any kind. Purchase of the IMU tokens does not represent an investment in the company.

This Whitepaper has been prepared in good faith to provide a comprehensive overview of the imusify Project and IMU(฿) Token Crowdsale and is for informational purposes only. The Whitepaper may be amended in accordance with the development of the imusify platform and its services. Please also note that the imusify project itself may be redesigned/reshaped in future, in case that would be required for any material reasons (including, but not limited to: commercial considerations, technical possibilities, or the need to ensure compliance with any (existing or future) applicable laws and regulations, or any other material reasons).

IMU(฿) tokens are not intended to constitute securities in any jurisdiction. This Whitepaper does not constitute a prospectus or offer document of any

sort and is not intended to constitute an offer of securities or a solicitation for investments in securities in any jurisdiction. The contents of this Whitepaper are not a financial promotion. Therefore, none of the contents of this Whitepaper serves as an invitation or inducement to engage in any sort of investment activity. Do not perform any purchase that you can't afford in the imusify Token Sale. Make sure you read and understand this Whitepaper and TERMS AND CONDITIONS FOR PARTICIPATING IN THE imusify TOKEN SALE (including all warnings regarding possible token value, technical, regulatory and any other risks; as well as all disclaimers contained therein), as published on our website [www.imusify.com](http://www.imusify.com) (and as they may be amended from time to time).

## CONTACT

For any questions regarding imusify Token Sale or imusify services, please contact us via e-mail at address [info@imusify.com](mailto:info@imusify.com).

[Add other channels – e.g., telegram here]

[www.telegram.me/imusifycommunity](https://www.telegram.me/imusifycommunity)

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