# COINZER

## Empowering Digital Economy

First Global Decentralized Platform Connecting
Digital Communities To Power Digital Economy

Whitepaper Ver. 1.0

www.coinzer.co

# CONTENTS

# WHAT IS CRYPTOCURRENCY?

## 1.1 DEFINITION OF CRYPTOCURRENCY

A cryptocurrency (or crypto currency) is a digital asset designed to work as a medium of exchange that uses cryptography to secure its transactions, to control the creation of additional units, and to verify the transfer of assets.

Cryptocurrencies are a type of digital currencies, alternative currencies and virtual currencies. Cryptocurrencies use decentralized control as opposed to centralized electronic money and central banking systems.

The decentralized control of each cryptocurrency works through a blockchain, which is a public transaction database, functioning as a distributed ledger.

### What is Blockchain?

A blockchain is a continuously growing list of records, called blocks, which are linked and secured using cryptography. Each block typically contains a hash pointer as a link to a previous block, a timestamp and transaction data. By design, blockchains are inherently resistant to modification of the data. It is "an open, distributed ledger that can record transactions between two parties efficiently and in a verifiable and permanent way".

*References https://en.wikipedia.org/wiki/Cryptocurrency*

### What is Mining?

In cryptocurrency networks, mining is a validation of transactions. For this effort, successful miners obtain new cryptocurrency as a reward. The reward decreases transaction fees by creating a complementary incentive to contribute to the processing power of the network. The rate of generating hashes, which validate any transaction, has been increased by the use of specialized machines.

### What is Wallet?

A cryptocurrency wallet stores the public and private "keys" or "addresses" which can be used to receive or spend the cryptocurrency. With the private key, it is possible to write in the public ledger, effectively spending the associated cryptocurrency. With the public key, it is possible for others to send currency to the wallet.

## 1.2 THE ADVANTAGES OF CRYPTOCURRENCY

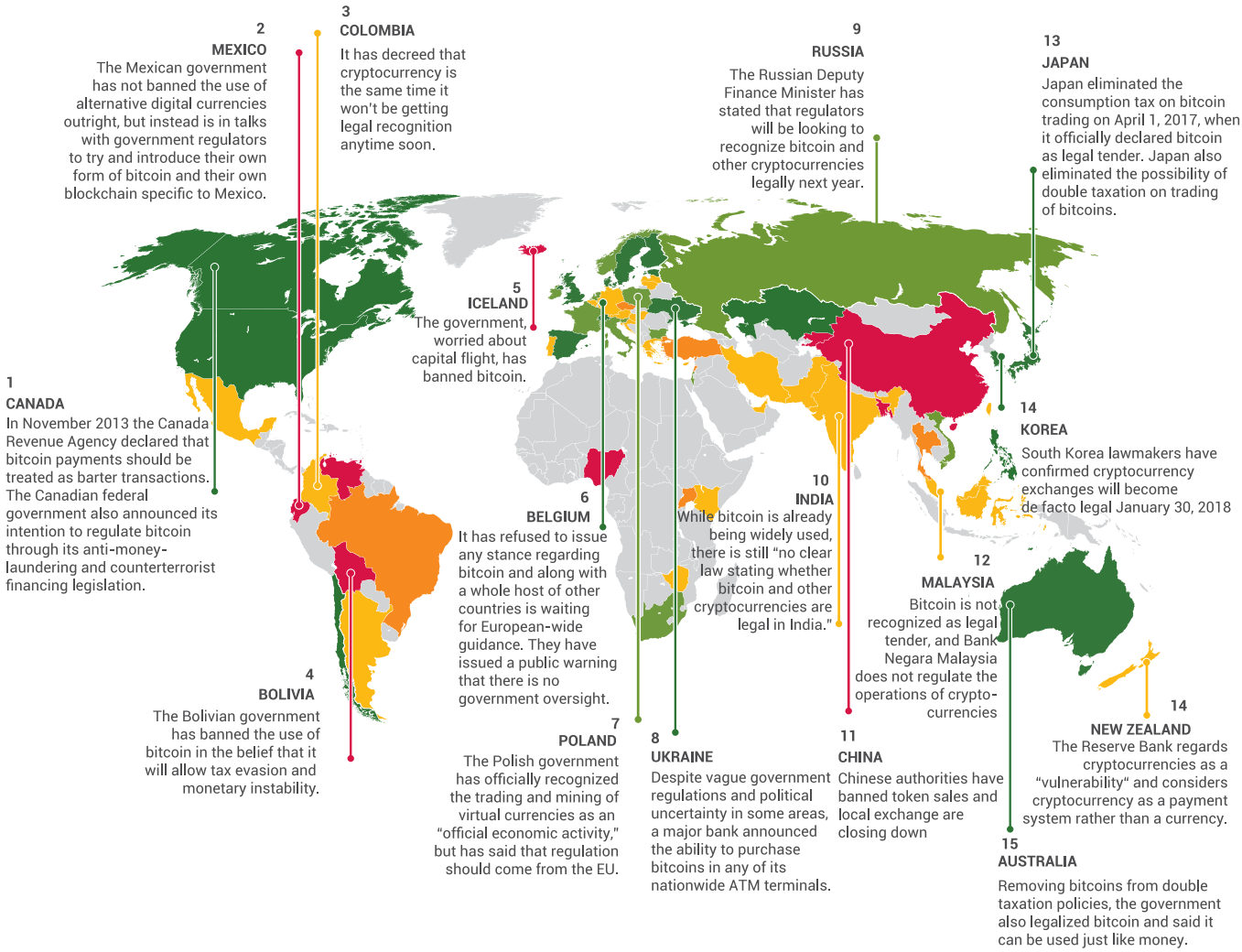
## 1.3 LEGALITY, LIQUIDITY & SECURITY

### 1.3.1 Legality

Cryptocurrency is a new technological innovation that has not yet been fully implemented into the legal framework of many countries across the globe. There are many legal aspects of cryptocurrency in general to consider, including legality of cryptocurrency in different countries, taxation, money laundering, other legal issues, and legal status by country.

#### 1.3.1.1 Taxation

In the United Kingdom however like many countries, many cryptocurrencies is unregulated with no legal framework in place. However, a recent ruling in the EU court system meant cryptocurrencies was exempt from VAT taxes in any EU member state.




### GLOBAL ADVOCATES

Pioneer nations whose governments have taken steps to promote cryptocurrencies and drive parity for virtual currencies.

### DEVELOPING

Nations that are progressing toward equal status for virtual currency, but there are still some barriers.

### FENCE-SITTERS

Governments that have not called individual trading into question or that have stopped shrt of giving any legal or regulatory protection to users of cryptocurrencies.

### HOSTILE

Governments that have taken steps to curtail virtual currencies, but stopped short of banning individuals from trading or exchanges operating with cryptocurrencies.

### BANNED

Nations that have outlawed cryptocurrencies within their borders, some of which threaten punitive sanctions to individuals caught using them.

As Coinzer emerges, the focus is to bring in all kinds of investment towards Malaysia. We are aiming to be the main cryptocurrency of Malaysia and will provide any services regarding the industries.

From physical conventional businesses to digital assets, and to provide the government their shares of taxes to increase the economy via foreign direct investment (FDI).with our deep involvements with the government we are creating a new high potential industries that will surely marks the brand in the global digital market.

### 1.3.1.2 The Business Benefits Of Coinzer as a Cryptocurrency

The cryptocurrency has gained more legitimacy. Businesses are beginning to accept Cryptocurrency and other altcoins, and more small businesses are looking at cryptocurrency, not just an investment or commodity. There are definite benefits to choose to accept altcoins at your small business.

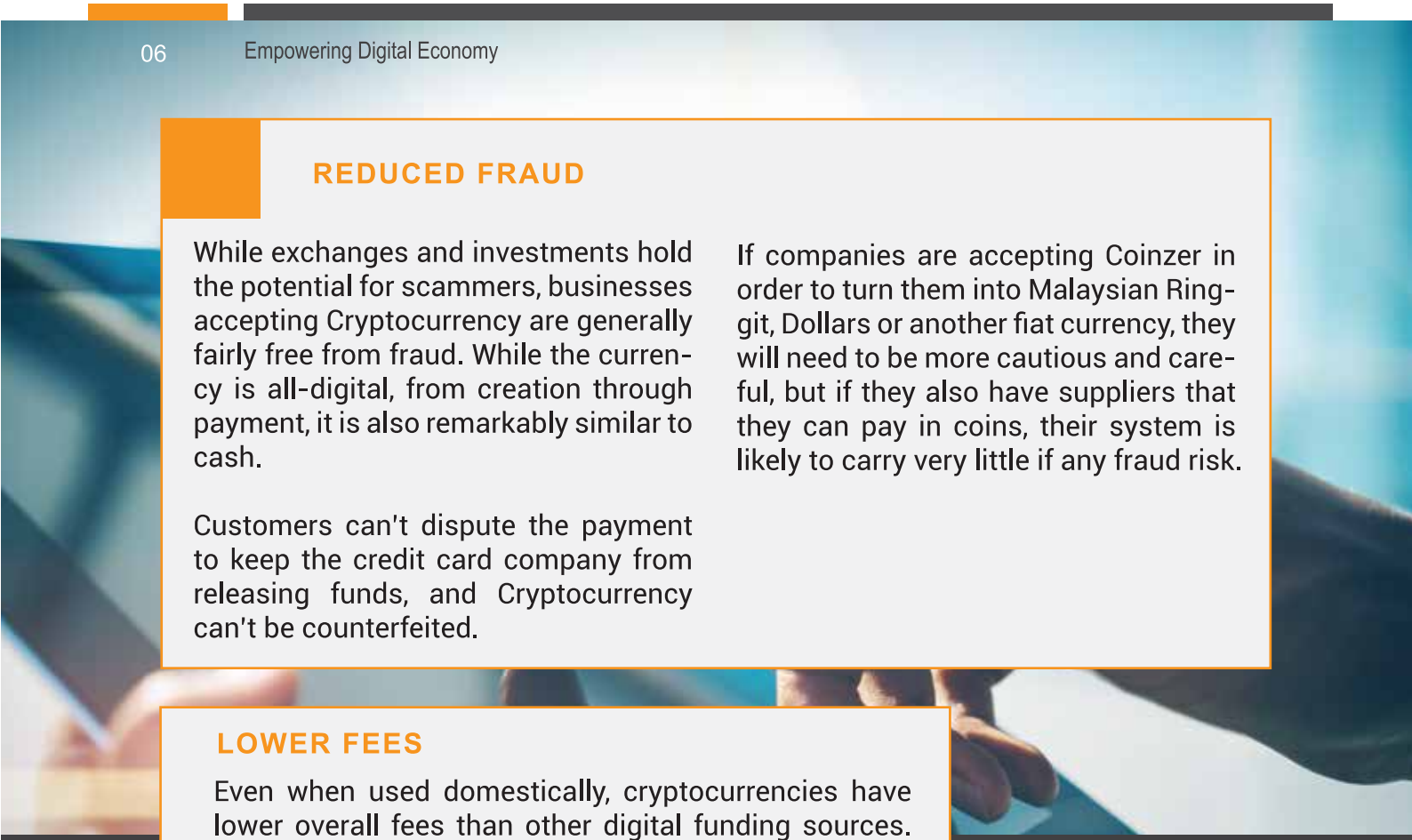
And Coinzer are aiming to be a business-friendly digital cryptocurrency provider that focus on trading and transaction-based businesses. The idea is to be fully utilized In Malaysia and to bring in FDI as well provide the services globally.

### GLOBAL CURRENCY

Coinzer can ultimately be purchased by anyone who has an internet connection and a fiat currency to trade for the digital coins. In many countries where the fiat currency is notoriously unstable, residents are becoming more and more interested in alt coins.

For a business that works with a lot of overseas suppliers and customers, using Cryptocurrency and other cryptocurrencies may reduce the fees that companies pay to banks for converting money from one fiat currency into another.

For banks that rarely deal with international customers, this may not matter, but for those which regularly conduct transactions overseas, this change has the potential to dramatically change profit margins.



### REDUCED FRAUD

While exchanges and investments hold the potential for scammers, businesses accepting Cryptocurrency are generally fairly free from fraud. While the currency is all-digital, from creation through payment, it is also remarkably similar to cash.

Customers can't dispute the payment to keep the credit card company from releasing funds, and Cryptocurrency can't be counterfeited.

If companies are accepting Coinzer in order to turn them into Malaysian Ringgit, Dollars or another fiat currency, they will need to be more cautious and careful, but if they also have suppliers that they can pay in coins, their system is likely to carry very little if any fraud risk.

### LOWER FEES

Even when used domestically, cryptocurrencies have lower overall fees than other digital funding sources. Many brick and mortar stores are familiar with the numerous credit card fees charged, even on very small purchases. When accepting or sending Cryptocurrency and other altcoins, there are no transaction fees; the currency is very much like cash in this way.

That said, converting the currency into a fiat currency can absolutely have fees; so can a digital wallet that holds your coins.

# NEW MARKET NICHES

It's not every day that a company gets the chance to connect with an entirely new niche in their market. Cryptocurrency have not yet seen widespread adoption, so companies that accept them are more likely to get business from those who want to use them as their primary currency.

While investing in Cryptocurrency can be risky due to price fluctuations, developing regulations, and more, companies that take the risk on the new currency like Coinzer may see unprecedented benefits. Coinzer will make the leap from niche to generally accepted, companies that are ready to meet that shopping need will have an advantage over the competition.

# LIQUIDITY

### 1.3.2.1 Crypto to Fiat - Breaking Barriers Of Cryptocurrency and Fiat Money With Mutual Exchange

Although in most countries of the world the practical use of cryptocurrency for non-investment purposes is difficult due to the lack of a legislative base, it is possible to convert them into real money, goods, and services.

There are several ways to transact buy, sell or exchange cryptocurrency one is via currency exchange or cryptocurrency exchange markets, whilst funds for the different currencies and transfer them to bank cards and electronic purses.

It is necessary to take into account several nuances when exchanging cryptocurrency to fiat money. There is no fixed rate for cryptocurrency, so the price will vary depending on the chosen platform.

When exchange cryptocurrency to fiat money on stock markets which activities have not been determined by law, the payment is received at the bank account or electronic wallet specified by the buyer on large foreign exchanges, payment is transferred to a bank account, but it is impossible to exchange cryptocurrency for fiat money.

Exchangers and exchange marketplace charge a commission which varies from 2 to 10% depending on the services.

Coinzer came out with a new exchanger that will overcome the problem the community is having right now, which is the transaction fees is massive. The exchanger that we created is based on peer to peer zero protocol. Safe to say that our exchanger provides the best of perks consist of fast transaction system, a trading platform for over 100 plus altcoins and we also offer the lowest transaction fees in the market.

We are aiming to be the largest and main peer to peer exchanger by providing the best services. The next plan is for the exchanger to work side by side with the banks in Malaysia to provide more cryptocurrency services and crypto to fiat and vice versa. As the international banks already start to provide cryptocurrency services, Malaysia's bank will do the same as the industry is growing and with its extreme future potential and worldwide adoption.

### 1.3.2.2 Simple Way to Cash Out Bitcoin & Other Crytocurrencies To Fiat

During the last couple of years, the popularity of Cryptocurrency has increased considerably, given the large trading volume, capital invested, public interest, and of course supply and demand laws.

With Bitcoin seeing all-time highs of over $20,000 (December 2017), chances are that you are considering the idea of either purchasing goods or withdrawing some of the coins that you might have. This is often where new users run into trouble, as there are multiple ways to go about this and people may worry about cashing out large sums of money and want to make sure everything is safe and secure.

Therefore, in this article, we will cover three of the main methods that you can use to withdraw your cryptocurrency into Fiat currency (or your local cash). These have been generally referred to as the safest and least-costly methods of exchanging your digital currencies into your government-issued currency.

# WHAT IS FIAT

Before we go on, we just wanted to clear up exactly what we mean when we say “Fiat” or “Fiat Currency”. Fiat is currency which is issued by a government but which is not backed by a physical commodity.

The value of fiat money is derived from the relationship between supply and demand rather than the value of the material that the money is made of. Historically, most currencies were based on physical commodities such as gold or silver, but fiat money is based solely on the faith and credit of the economy.

Fiat is seen as risky because it suffers from inflation, when a government decided to “print” more of a Fiat currency, the value of everyone's money goes down as a result. This is the exact opposite of what Cryptocurrencies aimed to solve.

## CRYTOCURRENCY EXCHANGE

Cryptocurrency exchanges are the most popular method of exchanging BTC & other currencies into FIAT at this time. While most impose certain limitations on how much you can exchange without a verification, they represent a great choice for those who are just starting out and not withdrawing large amounts. The process is fairly simple, even for novice users.

Once you have created an account, you will have to link it with either a debit/credit card, or a bank account. Afterwards, simply deposit how much BTC you'd like to exchange from your address, choose the currency of choice, and click on exchange.

The process can take anywhere between a few minutes to a couple of days, depending on the exchange that you have picked and your bank/card provider.

Most exchanges offer affordable fees, yet there are certain disadvantages associated with them as well. The main one is that you cannot get instant access to the funds that you have exchanged. Therefore, if you are in need of money urgently, chances are that you may have to wait a couple of business days before the bank processes the amount and credits it into your account.

Once the amount has been exchanged and delivered to the user accounts, cryptocurrency owners can simply withdraw via an ATM with the use of their cards, or directly from the bank teller.

## SERVICES SUCH AS COINZEREXCHANGE.COM

Our plan of services ie: Coinzerexchange.com strive to create a P2P marketplace for the lowest transaction fees in the world using zero protocol technology to accelerate the liquidity process to almost instant.

Most services like these are escrow-based and offer transparent fees, therefore trust issues are basically non-existent. Coinzerexchange.com serves as an intermediary between peers to peers and buyer and the seller. Both parts of the arrangement can choose how they'd like to meet and how they would like to transfer the funds in question.

## CRYPTOCURRENCY PREPAID CARDS

Cryptocurrency prepaid, or debit cards have been around for a while. Many believe that these are one of the best ways of exchanging your digital currency into cash, given the wide variety of benefits that they offer. Based on this aspect, cryptocurrency prepaid cards are normal cards, generally issued by Visa or MasterCard which can be funded via BTC or other currencies.

While the process of getting your own card takes a bit longer when compared to cryptocurrency exchanges, or local exchange services, they offer numerous advantages, such as: the ability to pay at any POS system, cashing out at worldwide ATMs, instant conversion from BTC to fiat such as USD/EUR/GBP and more.

Some of the other benefits include low commissions, free delivery, chip and PIN support, transparent fees and more. It is important to point out that cryptocurrency prepaid cards are only accepted in certain countries, and if the provider doesn't accept your country's native currency, you'll have to pay a conversion fee from USD/EUR to your national currency.

Most of the times, getting your very own prepaid card requires users to go through a verification process. With this in mind, users will have to submit a government-issued ID alongside with a proof of address. Generally, there are limits to how much you can withdraw/spend, yet these can be lifted after more thorough customer verification, as per Know Your Customer (KYC) policies, meant to avoid illegal financing or money laundering. Some popular examples of these types of cards are Monaco and Tenx.

However, in the long run, if you are an avid digital currency owner and user, then prepaid cards may turn out to be the best choice, given the instant withdrawals, the ability to easily top up your account and the fact that you don't have to wait for days before your cryptocurrencies is converted into FIAT, thus also losing out on positive volatility.

## PAYING YOUR TAXES

It should be noted that in most countries, any withdrawal from cryptocurrency to Fiat, it will create a "taxable event" where taxation fell under local laws. Many countries differ on how they handle this, some are completely tax free, others will use the Capital Gains model.

For legitimate taxpayers, cryptocurrencies income can be declared at the current exchange rate in most places, although good record keeping of cryptocurrencies to FIAT transactions and vice versa is recommended, depending on the tax laws in your jurisdiction which should be researched. In countries where it is illegal, taxation has typically not been considered in the law as it is supposed to be banned.

### 1.3.2.3 Banks Partnership - Crytocurrencies to Fiat

Cryptocurrency might finally be overlapping the broader fintech industry's popularity. Country like Norway largest online-only bank, Skandiabanken and South Korean second largest bank Shinhan recently announced it plans to offer clients the ability to link bank accounts to cryptocurrencies. While no less than five other banks in the world are offering cryptocurrencies services. Some might see this move as one of traditional banks embracing cryptocurrency, it heralds a new shift in the evolution of cryptocurrency into the greater fintech space.

### UNBUNDING BANKING

Around the world, mobile banking is taking a lead over branch-centered activity - in Norway, for example, 91% of the population access online banking sites.

The proliferation of fintech services that 'unbundle' traditional banking functions, combined with the maturing of the inter-net-first generation, are accelerating this trend.

What's more, the European Revised Payment Services Directive (PSD2) activates in 2018. The directive mandates that banks have to share customer data with third parties through APIs, which could include access to cryptocurrency services.

So, the combination of online banking, fintech services and open APIs point to a blurring of boundaries between traditional and alternative finance.

New banking institutions are taking steps towards accepting cryptocurrency and its altcoins as credible assets. As this trend continue, cryptocurrencies will end up becoming a more firmly consolidated feature of the new fintech landscape.

This will place even more pressure on legislators to come up with comprehensive plans for regulating a new asset class. It is also likely to encourage development of the next generation of cryptocurrency-related services.

## 1.3.3 Security

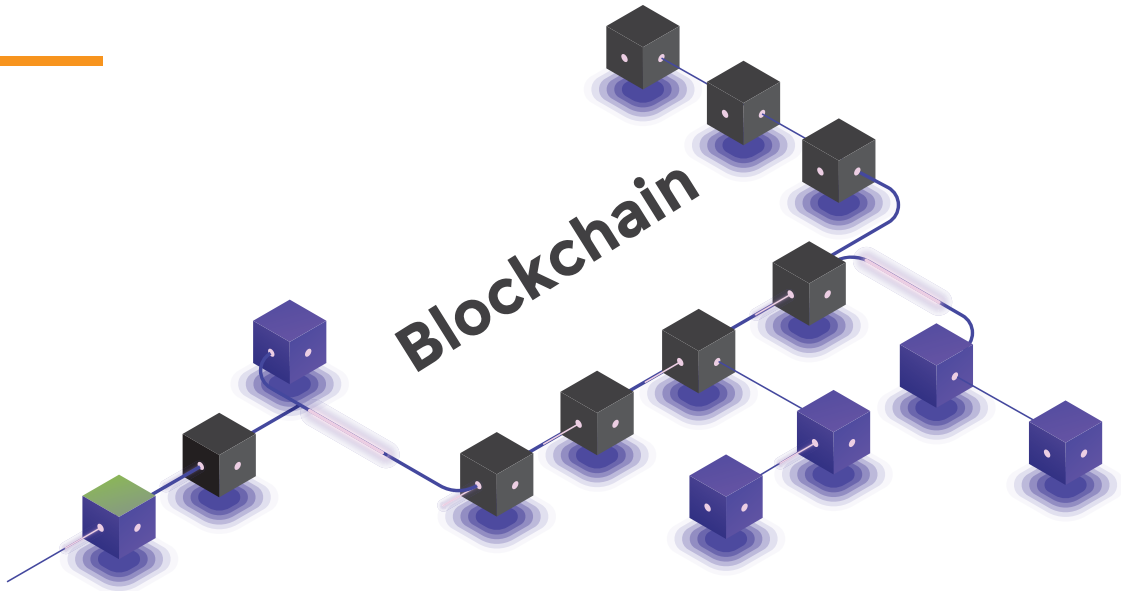
### 1.3.3.1 Blockchain

A blockchain, originally block chain, is a continuously growing list of records, called blocks, which are linked and secured using cryptography. Each block typically contains a cryptographic hash of the previous block, a timestamp and transaction data. By design, a blockchain is inherently resistant to modification of the data. It is "an open, distributed ledger that can record transactions between two parties efficiently and in a verifiable and permanent way". For use as a distributed ledger, a blockchain is typically managed by a peer-to-peer network collectively adhering to a protocol for validating new blocks. Once recorded, the data in any given block cannot be altered retroactively without the alteration of all subsequent blocks, which requires collusion of the network majority.

Blockchains are secure by design and exemplify a distributed computing system with high Byzantine fault tolerance. Decentralized consensus has therefore been achieved with a blockchain. This makes blockchains potentially suitable for the recording of events, medical records,and other records management activities, such as identity management, transaction processing, documenting provenance, food traceabilityor voting.

Blockchain was invented by Satoshi Nakamoto in 2008 for use in the cryptocurrency bitcoin, as its public transaction ledger. The invention of the blockchain for bitcoin made it the first digital currency to solve the double spending problem without the need of a trusted authority or central server. The bitcoin design has been the inspiration for other applications.

Transactions and solved hashes add new blocks after this genesis block, creating a blockchain. The blockchain of Coinzer is of the Ethereum smart contracts, the ERC20.




The image above shows a visualisation of the blockchain,
with the genesis block in green and the longest blockchain in black.

# BLOCKCHAIN TECHNOLOGY **SECURITY**

A blockchain is a series of blocks that records data in hash functions with time-stamps so that the data cannot be changed or tampered with. As data cannot be overwritten, data manipulation is extremely impractical, thus securing data and eliminating centralized points that cybercriminals often target.

Furthermore, the Pentagon believes the Blockchain Technology could be used as a Cybersecurity shield. In an article by The Washington Times, analysts deem that using blockchain, the technological backbone of cryptocurrency, could dramatically improve security across the U.S. military, preventing mega hacks, tampering, and cyber-hijackings of vehicles, aircraft, or satellites.

According to Dan Boylan of The Washington Times, the key to blockchain's security is that any changes made to the database are immediately sent to all users to create a secure, established record. With copies of the data in all users' hands, the overall database remains safe even if some users are hacked.

This tamper-proof, decentralized feature has made blockchain increasingly popular beyond its original function supporting cryptocurrency digital transactions.

Many cutting-edge finance firms, for instance, have used blockchain to expedite processes and cut costs without compromising security.

# USES OF BLOCKCHAIN TECHNOLOGY SECURITY

Discussions revolving around blockchain technology have claimed that the technology can be used to initiate major changes in the security industry as a whole. It is often argued that the technology is not only effective in driving digital currency exchange, but also to strengthen existing security solutions and address security concerns globally.

Blockchain technology hopes to address multiple challenges associated with digital transactions such as double spending, data security, cross border transactions, chargebacks, frauds, and currency reproductions.

Employing blockchain shrinks the costs associated with online transactions, all while concurrently increasing legitimacy and security. Some of the proposed global security uses of blockchain technology are:

### The protection of sensitive records and authentication of the identity of a user, especially in the banking sector:

Data manipulation can be spotted with the help of blockchain technology enabling banks to go beyond asymmetric encryption and caching in public keys. The deployment of blockchain enables authentication of users and devices without password protection.

The decentralization of the network helps in generating consensus between different parties for verification through blockchain-based SSL certificates.

The distributed and decentralized nature of the network that verifies the integrity of the transactions and associated account balances makes a successful attack mathematically

### Enhancing structural security of IoT (Internet of Things) devices:

Certain block-less distributed ledgers are additionally enhancing structural security of IoT devices. Devices in such network settings can recognize and interact with each other in a peer-to-peer manner, without the need for a third-party authority.

Accompanied with two-factor authentication, this offers unprecedented security to the network structure and makes it impossible to forge digital security certificates.

### Securing internal communications:

Internal communications are often prone to data leaks and cyber espionage. End-to-end encryption fails to cover the metadata, which can lead to leakage of sensitive information.

In blockchain-based systems, the metadata used for communications is scattered in the distributed ledger and cannot be collected at one centralized point.

### Making passwords obsolete:

With REMME's blockchain, businesses can authenticate users and devices without the need for a password.

This eliminates the human factor from the authentication process, therefore preventing it from becoming a potential attack vector.

### Privacy and security of digital chats:

Messenger services today encompass a large amount of Internet usage across the globe, especially with apps such as Facebook Messenger, Viber, WeChat, Alipay and WhatsApp already being used for payments and to engage users through chatbots.

With the count of a billion-plus users with these apps, there is an inherent danger of social engineering, hacks, and other security vulnerabilities.

Obsidian uses the blockchain-decentralized network, which cannot be censored or controlled by any single source.

In addition, communications meta-data is scattered throughout the distributed ledger, reducing the risk of surveillance through such digital fingerprints. Users need not link to their email addresses or telephone numbers, thereby increasing privacy.

Apart from these uses, according to Venture Beat, blockchains can increase security on three fronts:

- Prevention of identity theft
- Protection against data tampering
- Protection of critical infrastructure

# THE NEW WORLD OF **SMART CONTRACTS**

Facilitating automatic detection of fraud, and creating a virtual impenetrable fence around data, identities, and transactions, blockchain technology has laid the foundation for a future of smart contracts. Smart contracts (also known as digital contracts) help you exchange money, property, shares, or anything of value in a transparent, conflict-free way while avoiding the services of a middleman.

These self-executing contracts are treaties with the terms of the agreement between buyer and seller being directly written into lines of code. The code and the agreements contained therein exist across a distributed, decentralized blockchain network. Smart contracts can come into play in industries ranging from health care (digital identity) to politics (digital voting), from automobiles to real estate, and from management (smart contracts) to legal affairs (decentralized notaries).

Blockchain technology uses are not limited to corporates and financial industries. Coindesk, a main cryptocurrency media, has listed out the uses around security issues in various other industries. Blockchain has emerged as one of the most disruptive technologies and has curtailed the prevailing security issues revolving around financial transactions.

As other practical implementations for the technology are being discovered, blockchains are emerging as top contenders for resolving an array of cybersecurity challenges and delivering end-to-end security to global institutions.

# THE FUTURE OF CRYPTOCURRENCY

A cryptocurrency is a digital currency that is created and managed using advanced encryption techniques known as cryptography. Cryptocurrency made the leap from being an academic concept to (virtual) reality with the creation of Cryptocurrency in 2009. While Cryptocurrency attracted a growing following in subsequent years, it captured significant investor and media attention in April 2013 when it peaked at a record $266 per cryptocurrency after surging 10-fold in the preceding two months.

Cryptocurrency sported a market value of over $2 billion at its peak, but a 50% plunge shortly thereafter sparked a raging debate about the future of cryptocurrencies in general and Cryptocurrency in particular. Despite its recent issues, Cryptocurrency's success and growing visibility since its launch has resulted in a number of companies unveiling alternative cryptocurrencies, such as Ethereum, Litecoin, Ripple and many others.

While the number of merchants who accept cryptocurrencies has steadily increased, they are still very much in the minority. For it cryptocurrencies to become more widely used, they have to first gain widespread acceptance among consumers to enable them to empower a wide range of industries.

Coinzer aspires to become part of the mainstream cryptocurrency financial system to satisfy widely divergent criteria, in particular to fund digital asset projects as well as private and government-backed projects to empower a nation's economy in a blockchain based platform.

# WHAT IS COINZER?

Coinzer (CZC), is a revolutionized cryptocurrency to be incorporated in ICO law jurisdiction. It will work closely with Coinzer Foundation ("Coinzer"), with the aim of developing Coinzer: a next-generation blockchain optimized for mainstream adoption by worldwide digital communities to empower digital economy.

By focusing on digital assets and conventional projects, Coinzer will integrate the latest blockchain innovations to power "Smart Business Contracts" on a highly effective chain, and resolve the latency issues associated with existing, general-use blockchains. Its utility token, Coinzer Coin (CZC), is planned to be a "master token" to fund & empower new digital asset & conventional projects, backed by its own community consist of developers, token holders and partners.

Once the targeted funds are in place, backed by token holders of Coinzer ("CZC"), will be applied to our renewable green technology hydromining project as the core project as well as other Digital Asset and conventional projects including private and Government backed, driving Coinzer's development as a market-leading blockchain protocol.

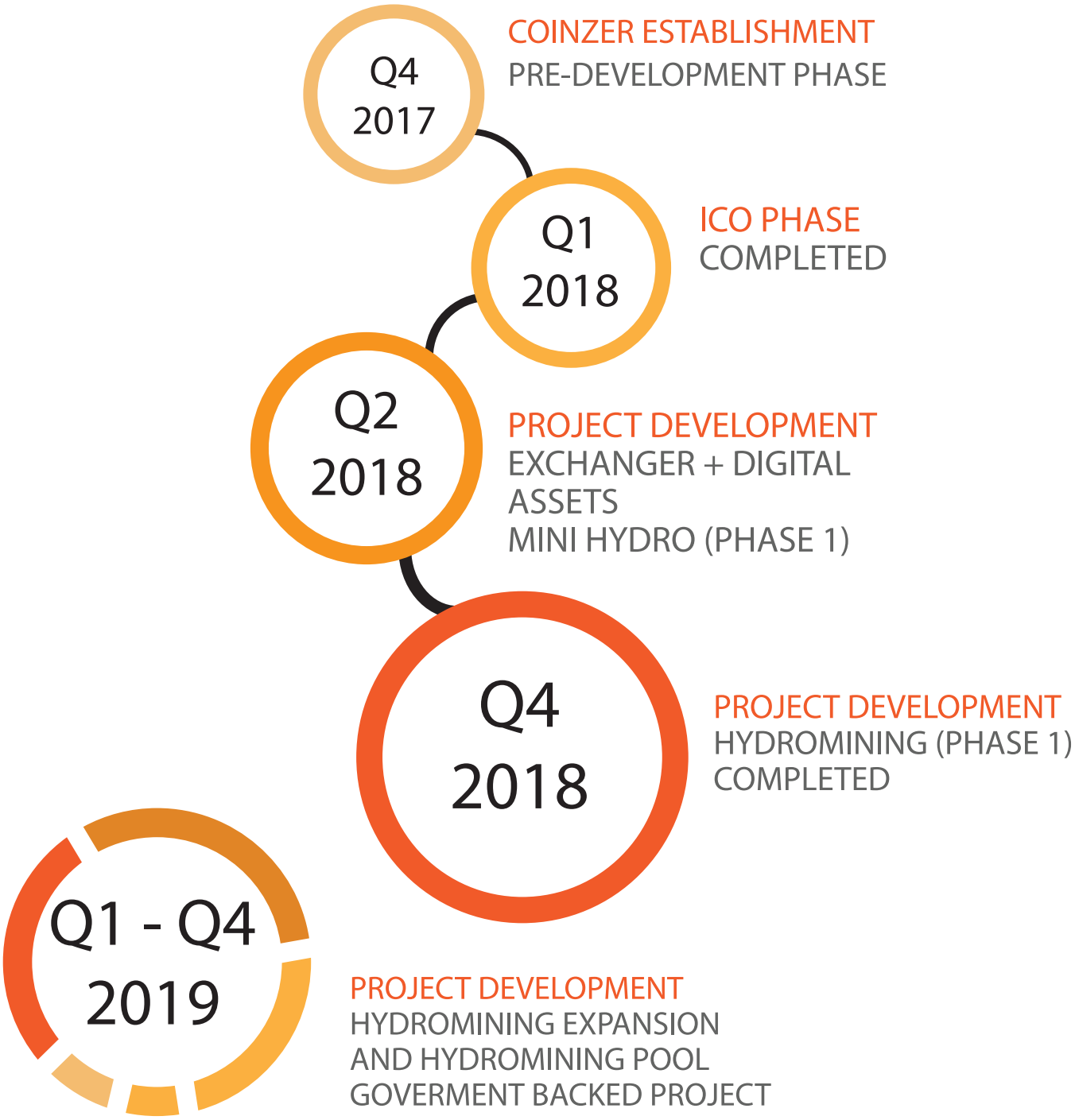
Through an agreement with KETTHA (Ministry of Energy, Green Technology and Water Malaysia) via REPPA (Renewable Energy Power Purchase Agreement) between the developer of Coinzer and Tenaga Nasional Berhad (TNB), we are developing a 10MW mini hydro power plant in the state of Perak, Malaysia.

This power plant able to generate consistent income for a period of 21 years thus stabilizing Coinzer future pricing and to support the appreciation of CZC value.

It is anticipated that beside the steady 10MW the plant able to generate an additional of 3MW that to be utilized in our hydromining facilities. A green, renewable source of energy that generates electricity through free-flowing water or hydro plant will be build and some of the power generated from the hydro plant will be use to mine profitable cryptocurrencies. Besides the site above, our future expansion will involve few other sites that able to generate more than 200MW to drive our own mining pools model.

Our hydromining project will stand as a core to fuel Coinzer's cashflow and all kinds of digital asset projects such as e-commerce, e-marketplace, currency exchange program, etc and as well as government backed projects using blockchain based platform such as properties, industrial, logistics & transportation, centralised trading hub, etc.

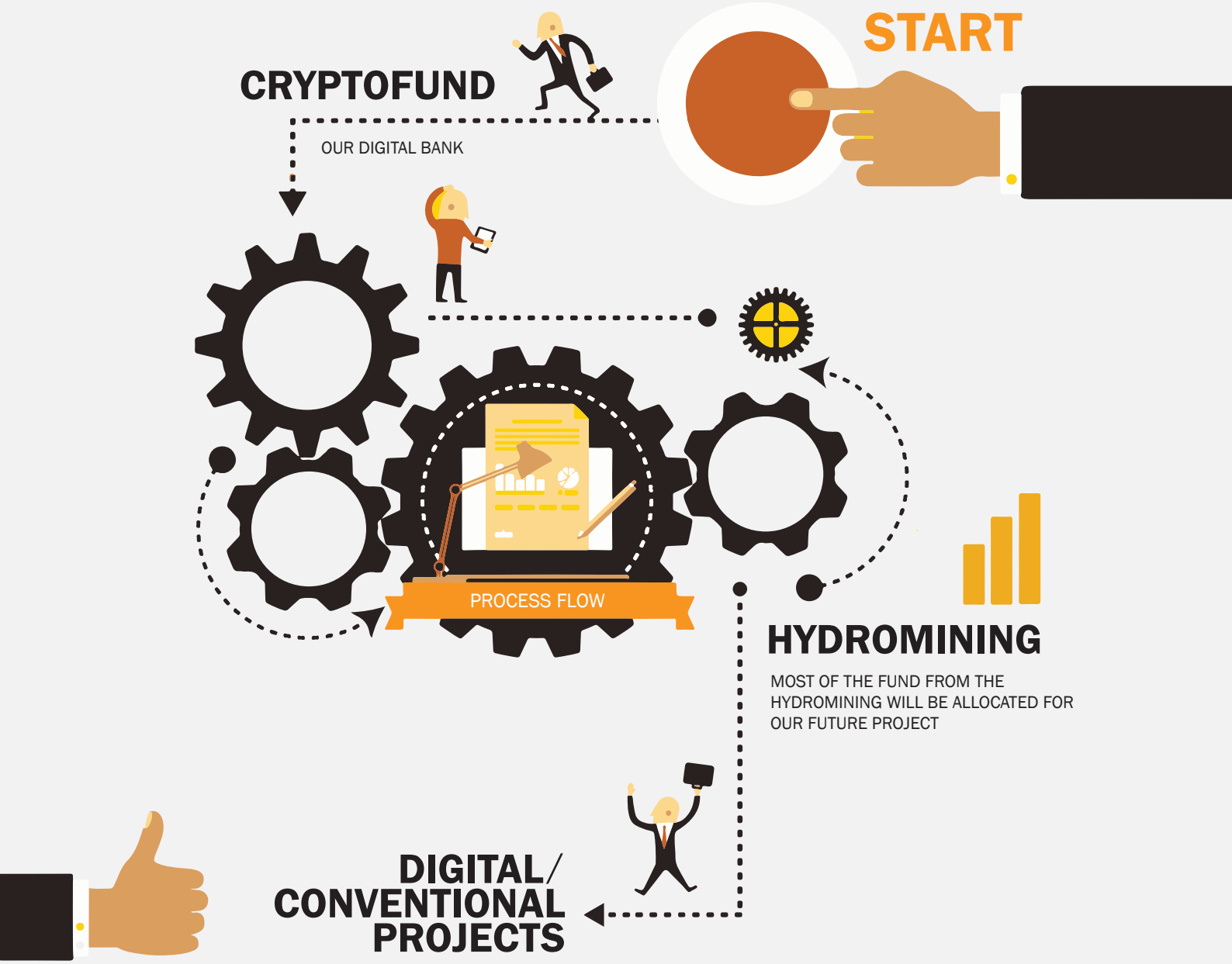
# ROADMAP


Q4
2017
COINZER ESTABLISHMENT
PRE-DEVELOPMENT PHASE
Q1
2018
ICO PHASE
COMPLETED
Q2
2018
PROJECT DEVELOPMENT
EXCHANGER + DIGITAL
ASSETS
MINI HYDRO (PHASE 1)
Q4
2018
PROJECT DEVELOPMENT
HYDROMINING (PHASE 1)
COMPLETED
Q1 - Q4
2019
PROJECT DEVELOPMENT
HYDROMINING EXPANSION
AND HYDROMINING POOL
GOVERMENT BACKED PROJECT

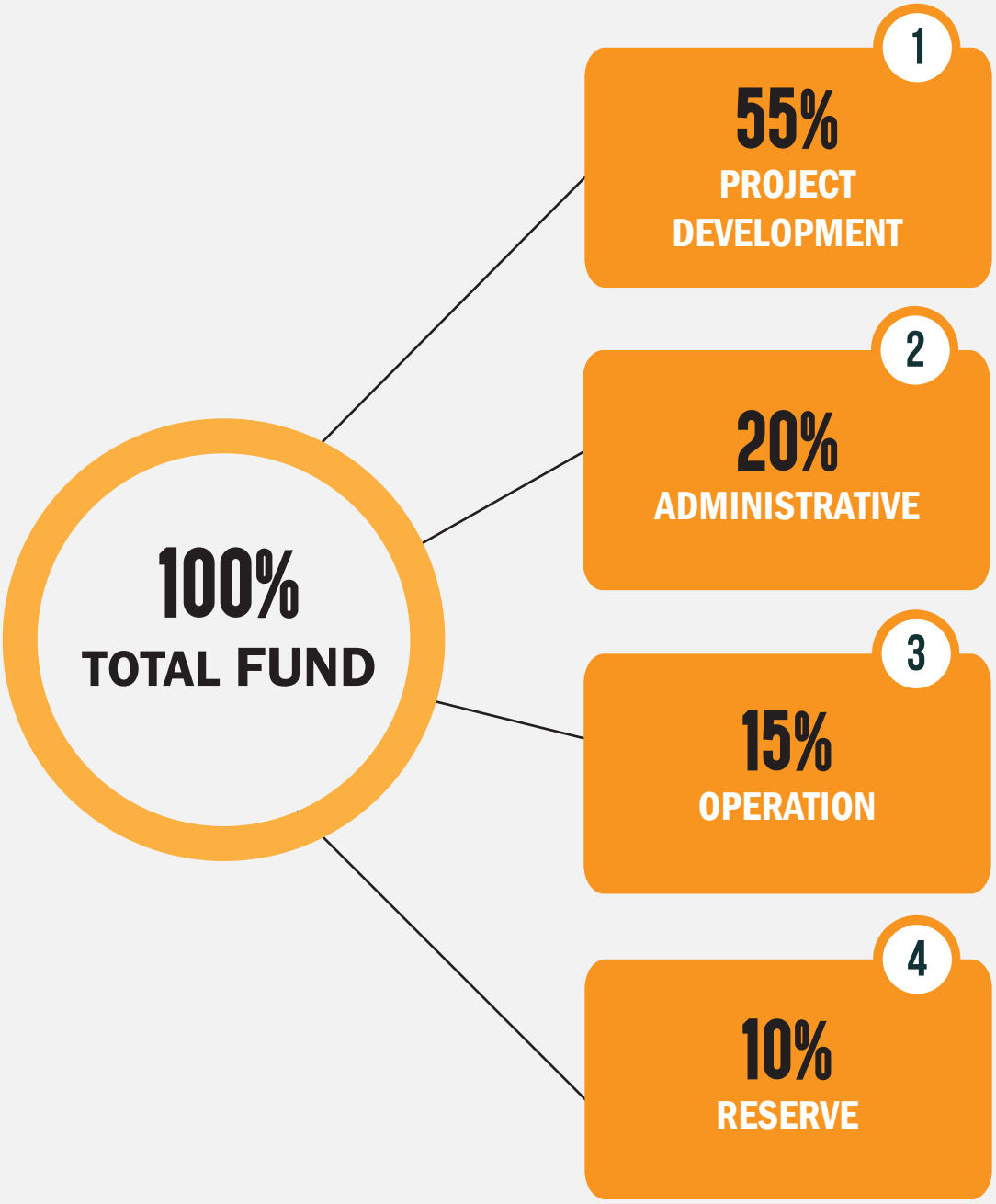
# CRYPTOFUND

## 2.4.1 What is crytofunding?

Cryptofund can be considered as a digital bank to safekeep any type of cryptocurrency from all the transacted cryptocurrency generated from the exchanger.



# USES OF FUNDS



# DEFINITION OF HYDRO MINING

It refers to a specific method of cryptocurrency mining that relies on hydroelectric power and water cooling systems to create an energy-efficient and highly-profitable mining operation.

Simply put, cryptocurrency mining is the process of creating new digital coins and verifying these transactions at the same time. Individuals are constantly sending cryptocurrencies, like Bitcoin, to each other over a network called Blockchain.

To keep track of all of these transactions, the Blockchain network collects all transactions made during a set period of time into a list, or a “block.” The miner’s job is to confirm these transactions

Hydropower is generally thought to be one of the most effective and lowest-cost renewable energy resources. It is cheap, environmentally friendly, and green based technology. This technology allows us to manage resources sustainably and environmental friendly with zero carbon footprint.

It warrants us to implement high output of mining, while preserving the surrounding nature. What’s more, the technology is simple, reliable for continuous supply of electricity, and has an excellent track record. The resource used in this system is river water, which is the main medium to run the turbine which consequently generates free-flow of electricity which will power our mining equipment.

Run-of-river concept will be employed in the proposed scheme. It refers to the mode of operation in which the hydro plant uses only the water that is available in the natural flow of the river. Run-of-river implies that no water storage or flooding and that power fluctuates with the stream flow. This concept requires low diversion weir and the environment impact are less significant.

Coinzer current proposal to built a hydro plant, while projection to be fully operational, with hardware being deployed around Q4 2018 – Q4 2019.

Using hydropower plant, Coinzer is projected to reach one of the lowest prices per kiloWatt in Southeast Asia. Based on our calculation, and projection made by Southeast Asia’s Energy Outlook by WEO Special Report, the cost of electricity is predicted to be 85% lower than the average of electricity cost in Southeast Asia countries.

In addition, we realize the implementation of copper tubes for our hydro plant can be more cost-effective by using the river's water to directly cools down our mining equipment even further. This means, we have unlimited electric power, with almost no cooling, rent, and electricity cost. Thus, solidified our plan to able competing in energy prices with Southeast Asia and China.

> **Not only is hydro power ecologically friendly, but it is also profitable**

Over the past years, Coinzer was keen on building a renewable energy base plant. The plan was to build and regulate a power plant that can support our mining purposes. The majority part of the facilities is air-cooled and vary in size and output. Over time, we have concluded that hydropower plant is ideal for crypto mining, because of the low energy cost and because the waters natural temperature can be used for cooling.

The use of hydro plant at the proposed site is a good solution due to its flexibility, density and profitability, and can be implemented in almost any other site location.

Based on our feasibility studies, our hydro plant is projected to generate around 10MW to 13MW per capacity. According to the agreement that is under industial standard between Coinzer and Tenaga Nasional Berhad (TNB), any excess electricity will be given to TNB through additional power grid for further surrounding consumption. This collaborative measure is to ensure that any surplus energy generated will not go to waste.

Cooling our equipment became a priority since Malaysia has a humid climate. To keep the plant and nearby facilities always maintain a cool temperature, we opt for standard air-conditioning for cooling method. Another option for equipment cooling is the use of the river's cold water by pumping it through copper tubes that run between rigs.

This method enables us to lower temperatures without the need for ventilation between the power station or the container and the outside air.

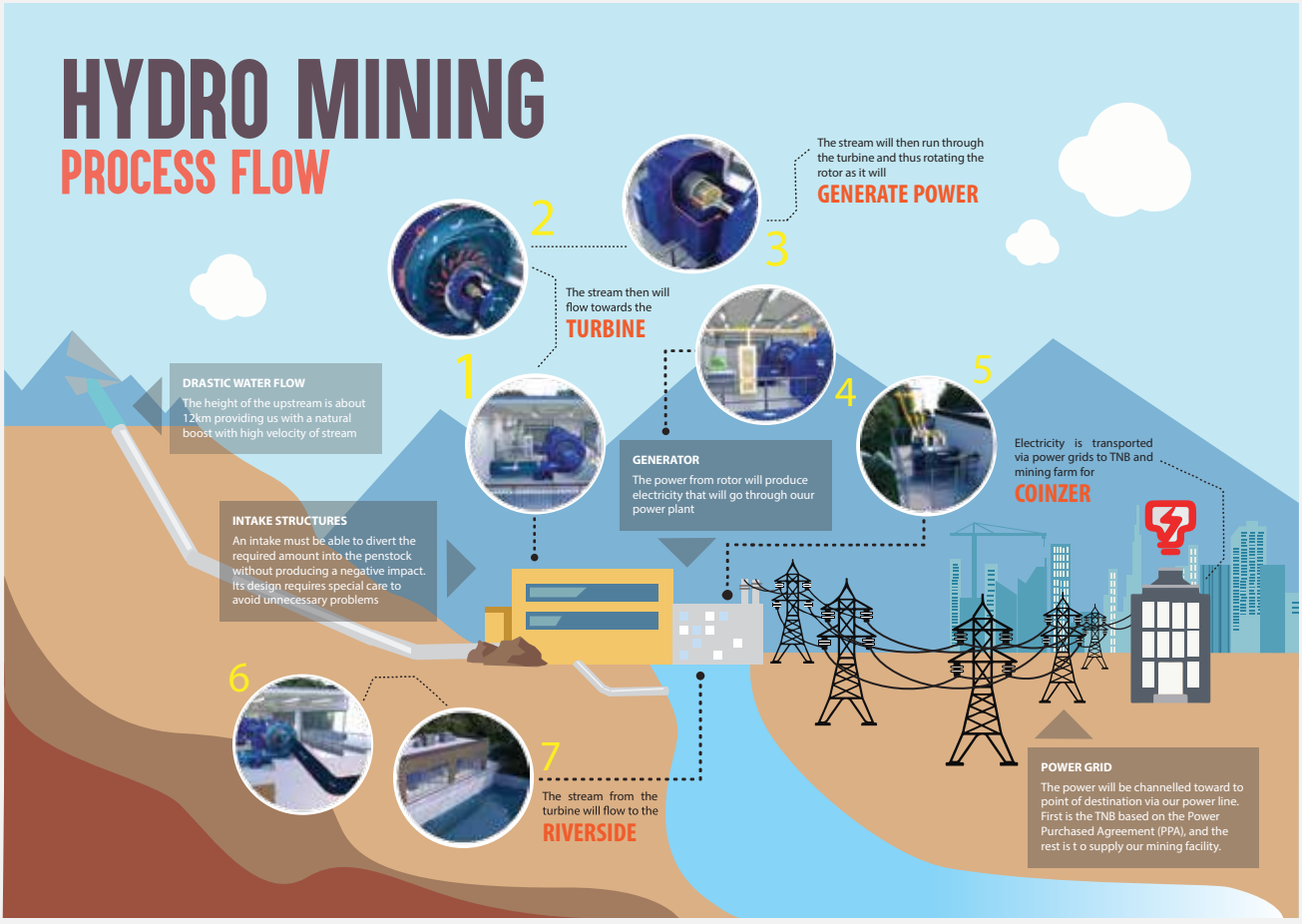
With the copper tube method, we only need to ensure sufficient air movement within the facility, and this is again, useful where noise can pose a problem to neighbours or the environment.

In power plant, the main challenge is the stability of the power supply. Electricity output can be vary between seasons or over the course of a season, but it can also vary substantially within just minutes depending on weather, temperature, rainfall, and the actions of other hydropower plants or basin operators.

In order to protect the sustainability of power generated, the water rights agreement (WRA) to protect the catchment area to ensure the amount of water collected and flow into the river was granted by the state concerned.

Coinzer has a backend technical team based in South Asia for testing logistics-management equipment that we plan to purchase. The Internet connections to the hydro power stations are usually managed with carrier networks of at least two independent carriers that use different infrastructures.

# HYDRO MINING PROCESS FLOW



# HYDROPOWERED COOLING

Our hydropower plant mining uses 2 types of cooling.

A Standard cooling with air-condition setups inside the hydro plant. Depending on the rooms in power stations' outside temperature, we use standard air cooling systems to keep the equipment cold. The advantage usually is that a hydropower stations have a cool environment and cooling can be provided quite easily, due to its small size, even in the dry season.

B Natural cooling, inside of equipment room, we have a well proven system of cooling using a combination of air ventilation and heat exchangers using the water from the river to cool the facility to lower the usual temperature levels. Depending on weather and river temperature, this technology keeps the temperature of the container room between 22 and 35 degrees Celsius.

## 3.3 HYDROPOWER PLANT DETAIL

The proposed site is located about 25km from accessible town. Access to site is through an asphalt road from the junction of main trunk road, to a settlement of residence and finally through a 10km unpaved track to the site. The proposed project area is located upstream of the river, with catchment area of 89km2 and afforded a very good potential for development of mini hydropower station.

The site is about 6.6km upstream of the proposed powerhouse and has good water gradient along the river alignment. Such features would lead relatively highwater head and economically viable mini hydropower schemes. The powerhouse location is situated reasonable flat area with a 33kV distribution system. This system is then connected to the TNB distribution system.

# SALIENT OF WORKS

## LOCATION

## WEST MALAYSIA

| | |
|---|---|
| **HYDROLOGY** | |
| Catchment Area | 89km$^2$ |
| Design Discharge | 4.99$^3$ /s |
| **RIVER INTAKE** | **GRAVITY WEIR** |
| Length | 30m |
| Height | 4m |
| **SETTLING BASIN** | **REINFORCED CONCRETE BASIN** |
| Length | 30m |
| Height | 4m |
| **PIPELINE** | |
| Size | 1.9m Diameter |
| Length | 6600m |
| **POWERHOUSE** | **REINFORCED CONCRETE FRAME** |
| Dimentions | 30m x 24m |
| **TAILRACE** | **REINFORCED CONCRETE CANAL** |
| **TURBINE TYPE** | **PELTON** |
| Number of Turbine and Rating | 2 x 5.0kW |
| Design Flow | 3.99m$^3$ /s |
| Gross Head | 240m |
| **GENERATOR TYPE** | SYNCHRONOUS |
| Number of Turbine and Rating | 2 x 6250kVA |
| Power Factor | 0.80 |
| **TRANSMISSION LINE** | |
| | 33kV |
| **SWITCHING STATION** | **REINFORCED CONCRETE FRAME** |
| **ESTIMATE POWER ENERGY GENERATION** | 10.0MW - 25.0MW<br>61,500MWh - 153,750MWh |

### INTAKE STRUCTURES

A water intake is a structure to divert water into a pipelines or waterway. An intake must be able to divert the required amount into the penstock without producing a negative impact on the local environment and with minimum head loss. Its design, based on geological, hydraulic, structural and economic considerations requires special care to avoid unnecessary maintenance and operational problems that cannot be easily remedied and would have to be tolerated for the life of the project.

The water intake will consist of concrete gravity structure with an overflow spillway section with two gated under sluice. Attached to the side, shall be the settling basin structure. The basin will allow suspended sand particle to be settled and flushed away. The basin is connected to the pipeline system.

# PIPELINE

Mild steel pipeline or open channel will be adopted to convey water from the intake to the turbine in the power house.

For steel pipelines, it may be installed over or under the ground, depending on factors such as the nature of the ground itself, the penstock material, the ambient temperatures and the environmental requirements.

Thrust blocks will be constructed at all vertical and horizontal bends. Pipes that are installed above ground will be supported by reinforced concrete pipe supports.

The pipeline system shall be sized to ensure reasonably small head loss and minimum settling of sediment within the water course. This would mean that the water velocity is about 1.8m 3/s.

## POWERHOUSE

The power house protects the electro-mechanical equipment from incremental weather effects. The number, type and power of the generators, their configuration, the scheme head of the site controls the shape and size of the building. The building is usually reinforced concrete frame with metal cladding for wall and roof.

It is divided into the turbine hall, control and switchgear room. Utility room and toilet are also provided for storage and amenity purposes. The outdoor transformers are installed on concrete plinth, close to the switchgear room. The proposed scheme shall have 2 numbers of turbine-generator configurations.

## TRAILRACE

Water in the pipeline, passes through the turbine in the power house, returns to the river through a tailrace. Since the water have high exit velocities, the tailrace shall be designed to ensure that the powerhouse would not be undermined. The design shall also ensure that, during relatively high flows or flooding condition, the water in the tailrace does not rise so high that it interferes with the turbine operation.

The tailrace is usually constructed of reinforced concrete canal with stop logs to control the water level. This is imperative to ensure proper functioning of the water turbines.

3.3.3 ELECTROMECHANICAL EQUIPMENT AND AUXILIARIES

# TURBINES
## EQUIPMENT

The purpose of the turbine is to transform the water potential energy to mechanical rotational energy i.e. the water pressure and velocity of the water react with the runner of turbine to produce torque on the shaft. The type, geometry and dimensions of the turbine will be fundamentally conditioned by the following criteria:

- **WATER HEAD**
- **DESIGN FLOW**
- **ROTATIONAL SPEED**
- **CAVITATION PROBLEMS**

Based on the data available and site conditions, the most appropriate turbines would be of Pelton type. This turbine type has been employed successfully throughout the world for both large and small hydro installation with a moderately high water head.

For ease in maintenance and operation, it is envisaged that 2 turbines system be adopted for each project location. The turbine configuration based on optimizing of the derived hydrology data and flow rates.

# GENERATORS EQUIPMENT

The proposed scheme will be installed with synchronous generators which transform the mechanical energy into electrical energy.

The generator shall be horizontal shaft type, each complete with exciter, AVR, and the necessary auxiliary equipment. Each of these generators would be coupled directly to their associated turbines.

The power would be generated at a rated voltage of 3.3kV, rated frequency 50Hz and a rated power factor 0.8. Each generator in the powerhouse shall be connected to a 3.3kV group bus.

The power outputs from all the three project locations 3.3kV group buses are stepped up to 33kV by means of three-phase 3.3/33 kV transformers and shall be fed into the transmission system at 33kV through a single circuit overhead line to a switching substation nearest Tenaga Nasional Berhad's power grid.

The two generators at each powerhouse will be synchronized at the 33kV generation busbar. Three core type CT shall be connected in the stator for protection purpose.

Insulation materials shall be of class F. 33kV indoor single bus configuration shall be adopted. Vacuum circuit breakers are provided, on the transformer secondary and line side.

The transformer will be located at the outdoor area. The surge arrestors are provided on the line side to protect against over-voltages caused by lightning and switching surges.

# CONTROL AND PROTECTION

The powerhouse will normally be attended. Full automatic control of units will also be possible. Both manual and automatic control will be provided. The protection panels will accommodate the turbine-generator, the main transformer, transmission line and auxiliary transformer protection relays.

Turbine shall be provided for various protection schemes. Different protection schemes will be adopted for generation protection such as; differential protection, field loss protection, reverse power protection, over-voltage and over-current protection and ground-over protection.

## INTERCONNECTION FACILITIES

The interconnection facilities would consist of the 35.5km 33kV transmission Aerial Bundled Conductor (ABC), 33kV switching substation facility and a short outgoing 33kV transmission underground cable. The switching substation shall be located nearest TNB.

It shall be a reinforced concrete frame structure with switchgear and control rooms to accommodate the associated equipment. A new 33kV bay comprising all necessary equipment shall have to be procured and installed in TNB 33kV switchgear room to allow the interconnection process.

## AUXILIARY EQUIPMENT

Apart from the above, auxiliary equipment are needed to ensure proper and smooth running of the hydropower facilities. The required equipment can be summarized as follows;

- Water shut off valve(s) for the turbine.
- Bypass gates and controls.
- Hydraulic control system for the turbine and valve
- Electrical protection and control system
- Electrical switchgears
- Auxiliary Transformers
- Telecommunication system
- DC battery systems
- Powerhouse crane
- Utility interconnection or transmission and distribution system.

## 3.4 GPU Mining & Hashrate Calculation

Since the development of Blockchain's Proof-Of-Work (POW) mining process, it single-handedly turns the graphic cards industries upside down, increasing the already high demand for mining graphic cards. Steadily and gradually the price spikes, and sometimes there is just no graphic cards available in the market or stocks. Those who starts mining early, holds the graphic card, reap the profit.

Advance Micro Device or AMD & Nvidia, both are the top graphic card producer, much like their smartphone counter-parts; Samsung & Apple. The only difference between AMD and Nvidia is that, AMD cards usually consume much more power, but have a high hash rate.

Nvidia on the other hand, have a steep price, but with a better power consumption. With a higher hashrate, it is linear that the power consumption follows suit. With this in mind, GTX 1070 is the best card for mining Ethereum or other 'Altcoins' due to its balanced hash rate, and median power consumption.

Did not want to miss on the race of graphic cards industry, AMD retaliates with the production of its new flight AMD Radeon RX Vega 52 and 64 version respectively. Both of this card boast a massive hashrate, with 52 version clock-ing at 38MH/s and consume (140w) and 64 version at whooping a 44MH/s with only (130w) power consumption.

### 3.4.1 BITCOIN

Bitcoin difficulty to mine has risen to 3007.3839 G as of 1st of March 2018, a point where, with solo mining or medium-scale mining setup, even using “always-out-of-stock” Antminer S9 14TH/s (1340w), it is just not profitable to mine Bitcoin. Below is the calculation of Antminer S9 14TH/s;

| | | |
|---|---|---|
| HASHRATE | 14 | TH/S |
| DIFFICULTY | 3007.3839 | G |
| BLOCK REWRD | 12.5 | BTC |
| BTC PRICE | 11185.95 | USD |
| POWER | 1340 | W |
| POWER COST | 0.05 | USD / KWH |
| POOL FEE | 0 | % |
| REJECT RATE | 1 | % |
| LIVE STATS | | |

| PERIOD | BTC | USD | COSTS (USD) | PROFIT (USD) |
|---|---|---|---|---|
| HOURLY | 0.0000483 | $0.540 | $0.0670 | $0.473 |
| DAILY | 0.00116 | $12.96 | $1.61 | $11.36 |
| WEEKLY | 0.00811 | $90.74 | $11.26 | $79.49 |
| MONTHLY | 0.0348 | $388.90 | $48.24 | $340.66 |

### 3.4.2 ETHEREUM

The chance to mine Ethereum is already hard due to its difficulty, as of May 2017, Ethereum (ETH) is in the process of completely switching from a Proof-of-Work (POW) to Process-of-Stake (POS). Nevertheless, as the writing of this whitepaper, Ethereum has not converted to POS yet, thus there is still slight window of opportunities to mine Ethereum in 2018.

#### PROOF OF STAKE

The proof of stake was created as an alternative to the proof of work (PoW), to tackle inherent issues in the latter. When a transaction is initiated, the transaction data is fitted into a block with a maximum capacity of 1 megabyte, and then duplicated across multiple computers or nodes on the network.

The nodes are the administrative body of the blockchain and verify the legitimacy of the transactions in each block. To carry out the verification step, the nodes or miners would need to solve a computational puzzle, known as the proof of work problem. The first miner to decrypt each block transaction problem gets rewarded with coin. Once a block of transactions has been verified, it is added to the blockchain, a public transparent ledger.

Mining requires a great deal of computing power to run different cryptographic calculations to unlock the computational challenges. The computing power translates into a high amount of electricity and power needed for the proof of work. In 2015, it was estimated that one Bitcoin transaction required the amount of electricity needed to power up 1.57 American households per day.

To foot the electricity bill, miners would usually sell their awarded coins for fiat money, which would lead to a downward movement in the price of the cryptocurrency.

The proof of stake (PoS) seeks to address this issue by attributing mining power to the proportion of coins held by a miner. This way, instead of utilizing energy to answer PoW puzzles, a PoS miner is limited to mining a percentage of transactions that is reflective of his or her ownership stake. For instance, a miner who owns 3% of the Bitcoin available can theoretically mine only 3% of the blocks.

Bitcoin uses a PoW system and as such is susceptible to a potential Tragedy of Commons. The Tragedy of Commons refers to a future point in time when there will be fewer bitcoin miners available due to little to no block reward from mining.

The only fees that will be earned will come from transaction fees which will also diminish over time as users opt to pay lower fees for their transactions.

With fewer miners than required mining for coins, the network becomes more vulnerable to a 51% attack. A 51% attack is when a miner or mining pool controls 51% of the computational power of the network and creates fraudulent blocks of transactions for himself, while invalidating the transactions of others in the network.

With a PoS, the attacker would need to obtain 51% of the cryptocurrency to carry out a 51% attack. The proof of stake avoids this ‘tragedy’ by making it disadvantageous for a miner with a 51% stake in a cryptocurrency to attack the network.

Although it would be difficult and expensive to accumulate 51% of a reputable digital coin, a miner with 51% stake in the coin would not have it in his best interest to attack a network which he holds a majority share. If the value of the cryptocurrency falls, this means that the value of his holdings would also fall, and so the majority stake owner would be more incentivized to maintain a secure network.

*https://www.investopedia.com/terms/p/proof-stake-pos.asp#ixzz58nwxChRL*

### 3.4.3 ALTCOIN

Altcoins are the alternative cryptocurrencies launched after the success of Bitcoin. Generally, they project themselves as better substitutes to Bitcoin. The success of Bitcoin as the first peer-to-peer digital currency paved the way for many to follow. Many altcoins are trying to target any perceived limitations that Bitcoin has and come up with newer versions with competitive advantages. There is a great variety of altcoins.

So, with Bitcoin massive hashrate, and Ethereum adopting a new system with (PoS), all there is to mine is the plethora of Altcoin circulating in the crypto market. ZCash (ZEC) and Monero (XMR) are speculated to be the next big crypto. With the easy difficulty to mine, ZCash (ZEC) at 6956.7801 k, and Monero (XMR) at 118.2504 G, it is positively possible to mine ZEC and XMR in 2018.

### 3.4.4 ZCash

ZCash was founded by Zooko Wilcox-O'Hearn in October 2016 in an effort to address an open financial system with the privacy feature that internet users wanted. ZCash seeks to maintain Bitcoin structures but with privacy and fungibility included.

Fungibility is the ease at which a commodity can be substituted for another, which is important in the crypto world as it ensures that one user's coin is as good as another. So, while Bitcoin is an open ledger system, ZCash is an encrypted open ledger.

This means that even though all transactions are recorded on a blockchain, the transactions are encrypted and can only be viewed by users that have been given access to them.

Users in the crypto world are also given a unique public address which acts as their identity, just like an IP address. The public address is required to receive funds from another user which means that the sender has to be given the address in order to facilitate the transfer.

The user's private key gives him access to his funds and the key is attached to certain transactions that he makes. However, with enough transactions made over time, his public address can be linked to these transactions, making it easier for inquirers to identify the public address holder.

This is also where the level of fungibility comes into play. If a seller of a product is able to track a buyer's previous transactions based on the public address given to the seller by the buyer, the seller may feel morally inclined to reject payment from the buyer if the revealed purchase history of the buyer does not align with the seller's beliefs or moral stance.

ZCash employs a cryptographic tool called Zero-Knowledge Proof which allows two users to engage in transactions without either party revealing their addresses to the other. Zero-knowledge proof makes ZCash transactions untraceable on its blockchain by obfuscating the addresses of both parties, as well as the amount involved in each transaction.

Because the addresses recorded on the blockchain are shields and not the actual user's payment address, it's close to impossible to trace the path of any given funds to its sender or receiver. This is unlike Bitcoin and many other blockchains which show the amount transferred from

one's actual public address to another. Zero-knowledge proof provides a high level of fungibility given that a party involved in a transaction is not privy to the other party's identity and hence, payment history and so cannot reject his coin payment.

There are a number of legitimate reasons why a user would opt for anonymous cryptocurrencies such as ZCash. An individual with a chronic medical condition who would like to purchase his pills online anonymously; a company who would like to protect its trade secrets or supply chain information from competitors; an entity who would like legal services for a private matter like bankruptcy; etc. are all examples of individuals seeking anonymity for privacy reasons.

### 3.4.5 Monero

Monero is a digital currency that offers a high level of anonymity for users and their transactions. Like Bitcoin, Monero is a decentralized peer-to-peer cryptocurrency, but unlike Bitcoin, Monero is characterized as a private digital cash.

Monero was created as a grassroots movement with no pre-mine and no VC Funding, and launched in April 2014 as a fork of Bytecoin. A fork occurs when an original cryptocurrency is split into two to create another version, which is made possible due to the open source formats prevalent in most cryptocurrency designs. Most forks are formed to address flaws of the parent currency and to create better alternatives.

Monero's popularity in the crypto world has been rising mostly due to its anonymization characteristic. All cryptocurrency users are given a public address or key which is unique to each user. With Bitcoin, the recipient of the coins has the coins transferred to his address which he has to divulge to the sender.

The sender can see how much Bitcoins that the recipient has once he has knowledge of the fund recipient's public address. Through the Bitcoin blockchain, all coins transferred from the sender to recipient are recorded and made public.

Transacting with Monero however, does not give the sender a window view of the recipient's holdings even though the sender knows the recipient's public address. Monero transactions are unlinkable and untraceable. Coins sent to a recipient are rerouted through an address that is randomly created to be used specifically for that transaction. The Monero ledger, unlike blockchain, doesn't record the actual stealth addresses of the sender and recipient, and the one-time created address that is recorded is not linked to the actual address of either party.

Therefore, anyone examining Monero's opaque ledger wouldn't be able to track down the addresses and individuals involved in any past or present transaction.

Monero also has a feature called the ring signature, which obfuscates the sources of funds so that they are virtually untraceable to the parties involved in the transfer. The ring signature ensures that every Monero transaction between two parties is grouped with other multiple transactions that occur among other unrelated parties.

This means that the recipient's funds is mixed in with other Monero users' transactions, and moved randomly across the list of transactions, making it exponentially difficult to be traced back to the source or

recipient. The ring signature also decrypts the actual amount involved in any transaction. Note that the ring signature is different from the mixing and coinjoin anonymization technique adopted by other cryptocurrencies vying for anonymity.

Finally, Monero has a distinct way of handling transactions by splitting the amount transferred into multiple amounts, and treating each splitted amount as a separate transaction.

For example a user who transfers 200 XMR (Monero's currency unit) to a buyer would have the amount split into say, 83 XMR, 69 XMR, and 48 XMR, totalling 200 XMR.

Each of these are treated separately and a unique one-time address is created for each of the split figures. With the ring signature, each of these splitted amounts are mixed in with other transactions which of course, have also been split, making it extremely difficult to identify the exact mix of 200 XMR that belongs to the recipient.

Monero allows for transparency based on the users' discretion. All users have a view key which can be used to access an account. A user can give his view key to selected parties with limitations in place such as access to view the account holdings but without the ability to spend any funds held in the account; access to all historical and current transactions; or access to only specific transactions in the account. Selected parties include parents who may need the view keys to monitor their kids' transactions and auditors who the user would like to give access to audit his account holdings and worth.

In addition to the view key, users also have a spend key which authorizes a selected entity that the user shares the key with to spend or transfer funds from the account. Like the view key, the spend key is 64 characters long and consists of alphabets and numbers.

# HASHRATE
## CALCULATION

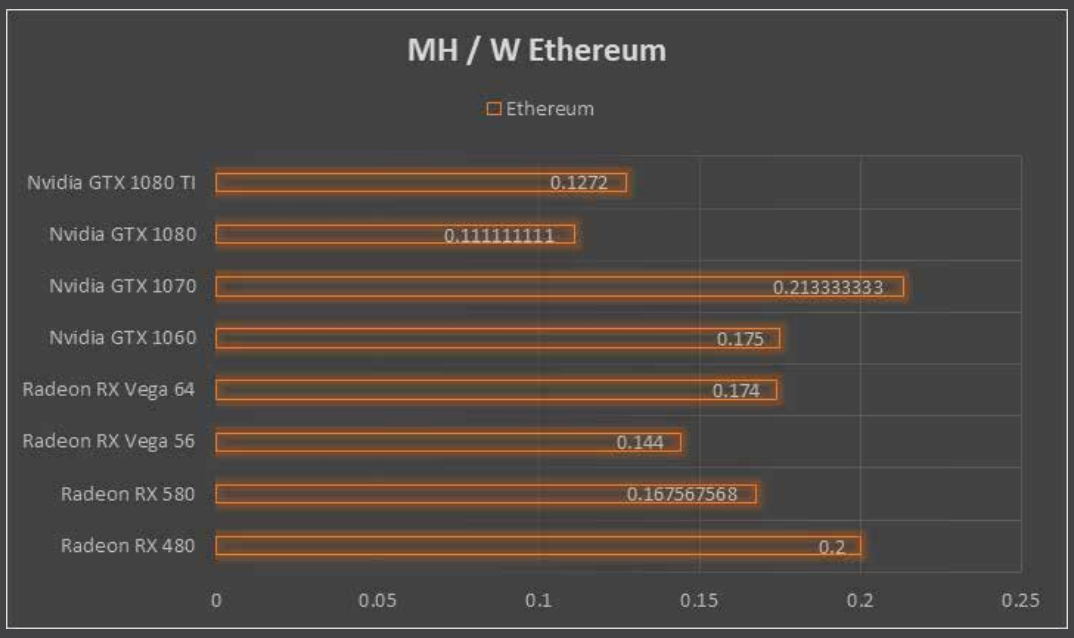
| Graphic Card* | Average Hashrate (MH) | | Power (W) | MH/W | |
|---|---|---|---|---|---|
| **Radeon RX 480** | **Ethereum:**<br>**ZCash:**<br>**Monero:** | 25 - 30 MH/s<br>250 Sols/s<br>700 H/s | 150w | **Ethereum:**<br>**ZCash:**<br>**Monero:** | 0.1666666667 – 0.2<br>1.6666666667<br>4.6666666667 |
| **Radeon RX 580** | **Ethereum:**<br>**ZCash:**<br>**Monero:** | 25 - 31 MH/s<br>250 Sols/s<br>700 H/s | 185w | **Ethereum:**<br>**ZCash:**<br>**Monero:** | 0.1351351351 – 0.1675675676<br>1.3513513514<br>3.7837837838 |
| **Radeon RX Vega 56** | **Ethereum:**<br>**ZCash:**<br>**Monero:** | 36 MH/s<br>400 Sols/s<br>1900 H/s | 250w | **Ethereum:**<br>**ZCash:**<br>**Monero:** | 0.144<br>1.6<br>7.6 |
| **Radeon RX Vega 64** | **Ethereum:**<br>**ZCash:**<br>**Monero:** | 43.5 MH/s<br>450 Sols/s<br>2000 H/s | 250w | **Ethereum:**<br>**ZCash:**<br>**Monero:** | 0.174<br>1.8<br>8 |
| **Nvidia GTX 1060** | **Ethereum:**<br>**ZCash:**<br>**Monero:** | 21 MH/s<br>300 Sols/s<br>525 H/s | 120w | **Ethereum:**<br>**ZCash:**<br>**Monero:** | 0.175<br>2.5<br>4.375 |
| **Nvidia GTX 1070** | **Ethereum:**<br>**ZCash:**<br>**Monero:** | 32 MH/s<br>400 Sols/s<br>650 H/s | 150w | **Ethereum:**<br>**ZCash:**<br>**Monero:** | 0.2133333333<br>2.6666666667<br>4.3333333333 |
| **Nvidia GTX 1080** | **Ethereum:**<br>**ZCash:**<br>**Monero:** | 20 - 23 MH/s<br>550 Sols/s<br>850 H/s | 180w | **Ethereum:**<br>**ZCash:**<br>**Monero:** | 0.1111111111<br>3.0555555555<br>4.7222222222 |
| **Nvidia GTX 1080 TI** | **Ethereum:**<br>**ZCash:**<br>**Monero:** | 31.8 MH/s<br>750 Sols/s<br>900 H/s | 250w | **Ethereum:**<br>**ZCash:**<br>**Monero:** | 0.1272<br>3<br>3.6 |

## 3.5 Revenue Model Concept

### 3.5.1 Mining

Mining for crypto companies such as Coinzer, explore in depth on how to get better value from the resources we have. While cost is an important element, it's not everything. Coinzer is all about increasing currency value.

Taken the information extracted from our mining profitability. A lean and innovative approach to keeping costs down, while focusing on value outputs is needed in order to regain a higher CZC footing.




To mine Ethereum, with the table and graph calculating the hashrate (MH/s) and Power Consumption (W), we can see that it is profitable to mine ETH using the GTX 1070. A mining rig usually consists of 8 graphic cards, this is due the maximum number of cards that a motherboard can support is only 8. Any more than 8, then the rig is susceptible to burnout, causing loss. So, a single GTX 1070 produce 32 MH/s, with power consumption at 150w. Below is the calculation;

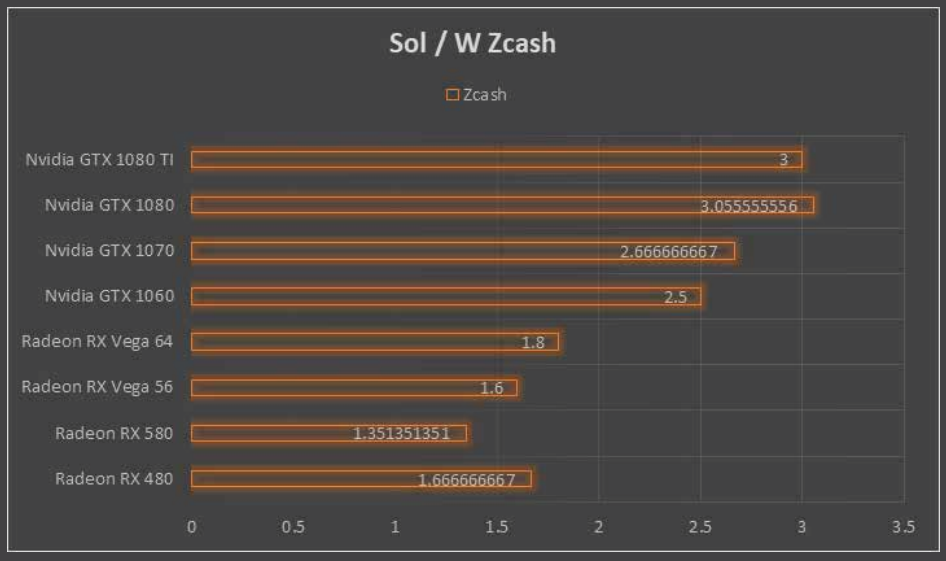
**Total Hashrate for 1 Rig** = MH/s x 8 graphic card
= 32 MH/s x 8
= 256 MH/s per rig

**Total Power Consumption for 1 Rig** = W x 8 graphic card
= 150 x 8
= 1200W

| | | |
|---|---|---|
| HASHRATE | 256 | MH/S |
| DIFFICULTY | 3143.1548 | T |
| ETH PRICE | 856.85 | USD |
| POWER | 1200 | W |
| POWER COST | 0.05 | USD / KWH |
| POOL FEE | 0 | % |
| LIVE STATS | | |

| PERIOD | ETH | USD | COSTS (USD) | PROFIT (USD) |
|---|---|---|---|---|
| HOURLY | 0.000871 | $0.746 | $0.0600 | $0.686 |
| DAILY | 0.0209 | $17.91 | $1.44 | $16.47 |
| WEEKLY | 0.146 | $125.36 | $10.08 | $115.28 |
| MONTHLY | 0.627 | $537.24 | $43.20 | $494.04 |

Bear in mind that, the calculation stated here does not include the percentages of Ethereum price appreciation, and also the recurring maintenance cost.



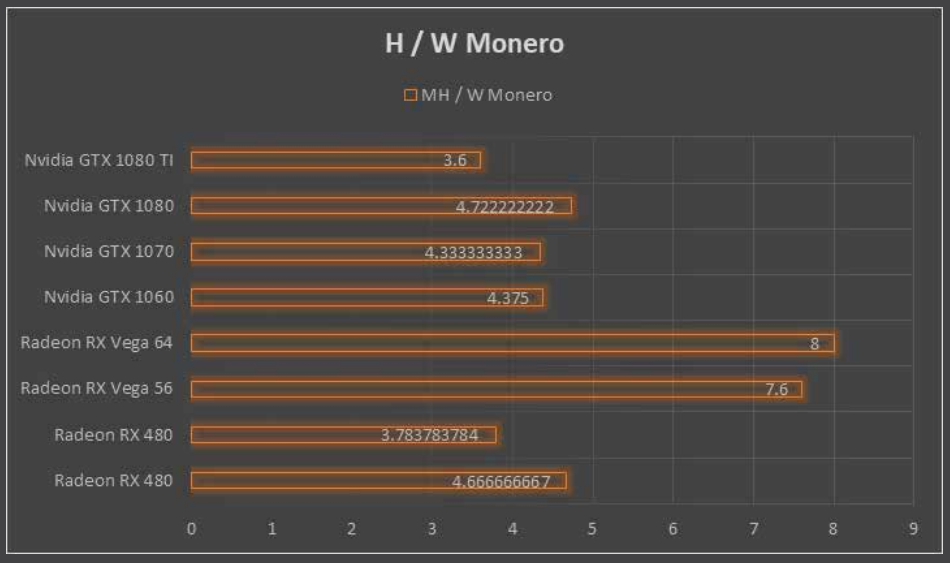

GTX 1080 is the best to mine ZCash due to its high profitability (Sol/s / w). A single GTX 1080 can produce 550 Solution per second (Sol/s) at the power consumption of (180w). Below is the calculation;

**Total Hashrate for 1 Rig** = Sol/s x 8 graphic card
= 550 Sol/s x 8
= 4400 Sol/s per rig

**Total Power Consumption for 1 Rig** = W x 8 graphic card
= 180 x 8
= 1440W

| | | |
|---|---|---|
| HASHRATE | 4400 | SOLS/S |
| DIFFICULTY | 6715.4745 | K |
| BLOCK REWRD | 10 | ZED |
| ZEC PRICE | 401.43 | USD |
| POWER | 1440 | W |
| POWER COST | 0.05 | USD / KWH |
| POOL FEE | 1 | % |
| LIVE STATS | | |

| PERIOD | ZEC | USD | COSTS (USD) | PROFIT (USD) |
|---|---|---|---|---|
| HOURLY | 0.00282 | $1.13 | $0.0720 | $1.06 |
| DAILY | 0.0677 | $27.19 | $1.73 | $25.46 |
| WEEKLY | 0.474 | $190.30 | $12.10 | $178.20 |
| MONTHLY | 2.03 | $815.56 | $51.84 | $763.72 |



With Monero (XMR), AMD cards are the best to use, especially its new brand Radeon RX Vega 64 version, with the (H/s / W) of 8, this card is the prime usage to mine Monero. Radeon RX Vega 64 produce 2000 (H/s) at 250w of power consumption.

| | | |
|---|---|---|
| HASHRATE | 16000 | H/S |
| DIFFICULTY | 118.7896 | G |
| BLOCK REWARD | 6.3474 | XMR |
| XMR PRICE | 364.73 | USD |
| POWER | 2000 | W |
| POWER COST | 0.05 | USD / KWH |
| POOL FEE | 0 | % |
| REJECT RATE | 1 | % |
| LIVE STATS | | |

**Total Hashrate for 1 Rig** = H/s x 8 graphic card
= 2000 H/s x 8
= 16,000 H/s per rig

**Total Power Consumption for 1 Rig** = W x 8 graphic card
= 250W x 8
= 2000W

| PERIOD | BTC | USD | COSTS (USD) | PROFIT (USD) |
|---|---|---|---|---|
| HOURLY | 0.00257 | $0.936 | $0.100 | $0.836 |
| DAILY | 0.0616 | $22.47 | $2.40 | $20.07 |
| WEEKLY | 0.431 | $157.29 | $16.80 | $140.49 |
| MONTHLY | 1.85 | $674.10 | $72.00 | $602.10 |

### 3.5.2 Trading Revenue

Every excess revenue accrued from mining activities is then reimbursed to trading. Main crypto to trade and buy is Bitcoin and Ethereum as well as other high-gaining crypto. This is because of their high appreciation value, as well as the obstruction to mine due to the difficulties, determining the desire to mine Bitcoin and Ethereum.

As stated earlier, based from Uses of fund stated prior, 30% of the trading revenue is then yielded back to the developer and investor. Whilst 70% is will be put back to the Trading revenue.

### 3.5.3 Mining Pool

Pooled mining is a mining approach where multiple generating clients contribute to the generation of a block, and then split the block reward according the contributed processing power.

Pooled mining effectively reduces the granularity of the block generation reward, spreading it out more smoothly over time. With the mining pool, we can multiply our earning by tempting other miner to join Coinzer Mining Pool with extra benefits.

## 3.6 Business Case / Calculation

The crypto economy is really a volatile industry. Rapid changes of cryptocurrency, pushing Coinzer to adapt a newer, more sustainable approach to advance within this industry. Coinzer vision is to educate the society of what is a cryptocurrency, with this in mind, we are advocating this to convert people to adopt this new, more superior way of using currency. This vision cannot be realized if not for the advancement of technology and also the will to outperform within this business perspective. Below is Coinzer business case.

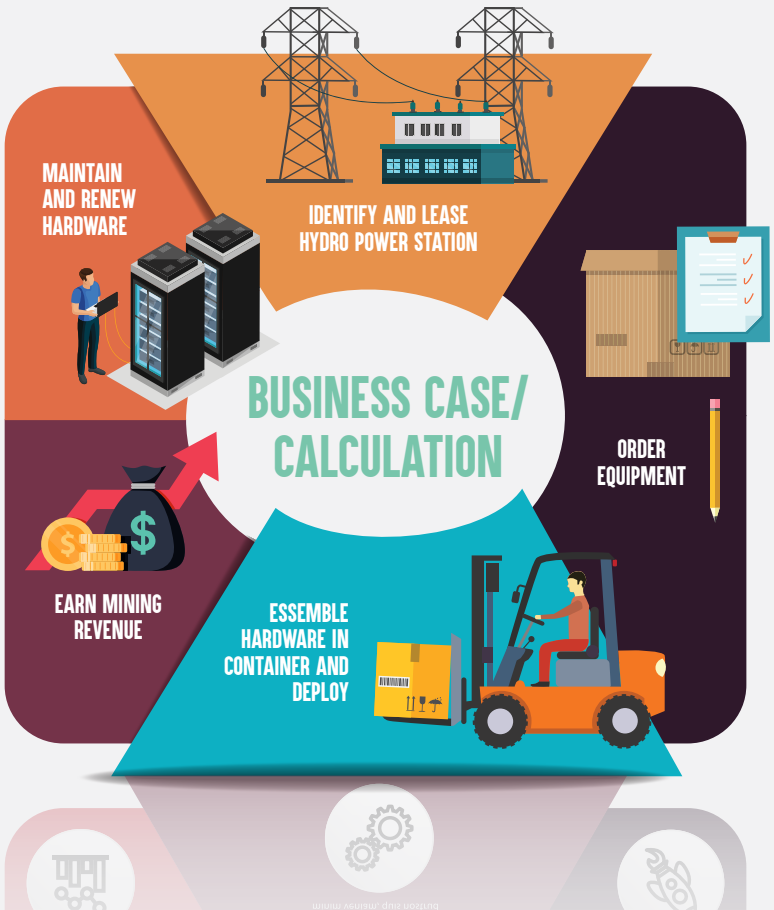
1 Due to Malaysia's small size, it is with absolute importance to locate an appropriate source of water; mainly river or reservoir basin to be develop as a hydropower plant. A suitable prospect is where the usable electricity capacity is around 5MW or more.

2 Then, gradually a feasibility studies must be conduct to study the said river or body of water to ensure that Coinzer project does not harm those who around it.
An environmental impact assessment is then produce from the study. This will rein force our proposal as well as foundation planning.

3 Then, the development to build a new hydropower plant is then carried out.
A hydro plant with 5MW capacity of output usually takes around a year to complete. Coinzer then need to order all the necessary mining equipment, cooling equipment, which will furbish our hydro plant within 3-month time, plus the cost for the hydro plant is also will be put into consideration.

4 Regularly, a facility of 5MW in size will produce a monthly income of about $3m to $5m range. With RM0.21 (kW/h) or $0.05 (kW/h) as our power cost, we can estimate the cost is about $250 per hour.

5 Coinzer also assemble funds to refit new hardware as soon as it does not perform the intended hashrate anymore. The reserve fund for hardware in this scenario is $300,000. 10% of $3,000,000 ($1500 [cost of 1 rig] x 2000 [number of rigs]).



# COINZER Exchange (Coinzerexchange.com)

Coinzer's technology platform is based on algorithms that ensure the most efficient bid-offer matching across natural peer-to-peer flow as well as third party crypto-exchanges.

This means that all the exchanges within the exchanger comes with a quality security as such as those third party crypto-exchanges sites. All historical transactions will be stored in a dedicated data-warehouses that continuously analyses the data to enhance risk management and identify predictive behaviours, and in turn enable Coinzer to optimize the cryptocurrency exchange process and better educate the customer on possible payment strategies for example, it may highlight different payment mixes depending on the current cryptocurrencies valuations.

One of the most important part is we at Coinzer will provide an exchanger that follows the zero-protocol rules meaning that we completely eliminate any 3rd party that is usually involved in the transaction and we also provides one of the lowest transactional fees per transaction. In other words, everything possible is done to ensure that the customer gets the best deal.

Coinzer Exchange.com is a platform to buy, sell or exchange bitcoin and other alternative crypto-currencies directly with other users within the Coinzer community using multi-signature, peer-to-peer exchanges on user friendly mobile app. Coinzer Exchange is the revolutionary part of the cryptocurrency ecosystem. It is how digital asset exchange should work. The platform gives you the power to quickly swap with other digital currency users instantly using a mobile friendly app.

## EASY

Choose the bitcoins, altcoins or blockchain tokens you would like to exchange, input your receiving address, & send your funds. Fast crypto market exchanges with another user, no fees, and a delightful process.

## SAFE

Unlike other digital asset and bitcoin exchanges, user don't need an account to use our Exchange. This means your funds and information don't suffer custodial risk.

## COMPETITIVE

We list offers from digital community that update in real time, with no fees on top.

## FAST

The transaction is instant, with our apps the buyer and seller will have the secure deals of an instant transaction.

## SUPPORT

Through reviews from individual users and well-known industry websites. You can ask any questions you might have to our support team.

## VERIFICATION

The vast majority of the digital currency trading platforms both in the US and the UK require some sort of ID verification in order to make deposits & withdrawals. Some exchanges will allow you to remain anonymous. Although verification, which can take up to a few days, might seem like a pain, it protects the exchange against all kinds of scams and money laundering.

## ZERO PROTOCOL

Eliminates 3rd party exchanger providers that provides that abuses the exchange system with high transactional fees.

### GEOGRAPHICAL RESTRICTION

Some specific user functions offered by other exchanges are only accessible from certain countries. But not us, we will make sure the exchange you want to make allows full access to all platform tools and functions in the country you currently live in.

### EXCHANGE RATE

Different users have different rates. You will be surprised how much you can save if you shop around other exchangers as we charge a very minimal transaction fees.

# LANDSCAPE

Exchanges were one of the first services to emerge in the cryptocurrency industry. The first exchange was founded in early 2010 as a project to enable early users to trade bitcoin and thereby establish a market price.

The exchange sector remains the most populated in terms of the number of active entities. One data services website alone lists daily trading volumes for 138 different cryptocurrency exchanges, which suggests that the total number of operating exchanges is likely considerably higher.

We collected data from 51 exchanges based in 27 countries and representing all five world regions. Our sample contains more exchanges from Europe than any other region, followed by Asia-Pacific.

With regards to individual countries, the United Kingdom and the United States are leading with 18% and 12%, respectively, of all cryptocurrency exchanges.

However, the market share in terms of bitcoin trading volume is substantially different although there are hundreds of companies providing cryptocurrency exchange services, fewer than a dozen.

# TAXONOMY OF **EXCHANGE SERVICES**

| TYPE OF ACTIVITIES | DESCRIPTION |
|---|---|
| **Order-book Exchange** | Platform that uses a trading engine to match buy and sell order from users. |
| **Brokerage Service** | Services that lets users conveniently acquire and/or sell cryptocurrencies at given price. |
| **Trading Platform** | Platform that provides a single interface for connecting to several other exchanges and/or offers leveraged trading and derivatives. |

## SUPPORTED CRYPTOCURRENCIES

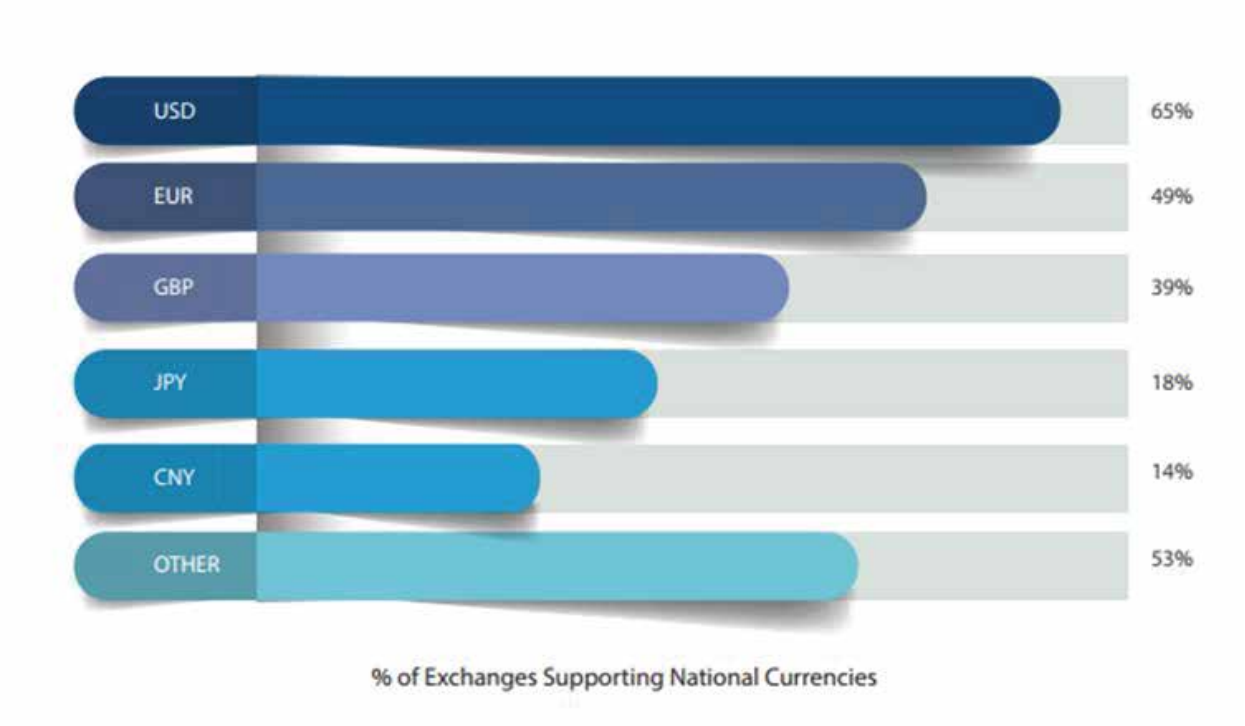
All exchanges support bitcoin, while ether and litecoin are listed on 43% and 35% of exchanges, respectively. Only a minority of exchanges make markets for the exchange of cryptocurrencies other than the above three.

While with Coinzerexchange.com we support peers to peers exchange involving all known and up-to-date cryptocurrencies.

While 39% of exchanges solely support bitcoin, 25% have two listed cryptocurrencies, and 36% of all entities enable trading three or more cryptocurrencies. We observe that 72% of large exchanges provide trading support for two or more cryptocurrencies, while 73% of small exchanges have only one or two cryptocurrencies listed.

6% of survey participants also provide cryptocurrency-based derivatives, and 16% are offering margin trading.

This means Coinzerexchange.com is the only platform that support all digital currencies thus giving opportunities for the clients to invest on a potential mega-success coin.




% of Exchanges Supporting National Currencies

# PROJECT **DEVELOPMENT**

## 4.1 DIGITAL PROJECTS

Digital project management is a streamlined process of managing online projects from concept to completion within budget and using a certain amount of resources.

### 4.1.1 E-Mall, E-Halal, Exchange & Online Memberships

#### E-Mall

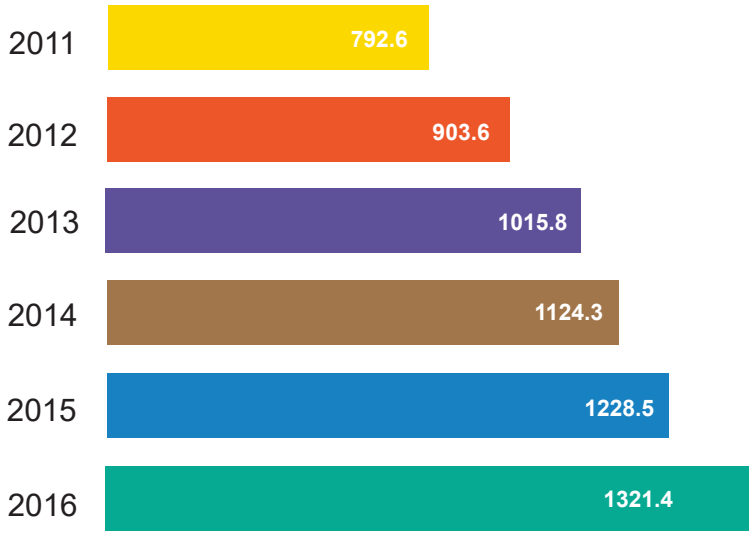
##### What is E-Mall?

An E-Mall or E-Marketplace is a website that display electronic catalogues from several suppliers from many different parts of the world. The operator of the marketplace usually does not own any of the inventory, their business is to present other people's inventory to a user and facilitate a transaction. Amazon and eBay are the ultimate example of an online marketplace, they sell everything to everybody.

Some marketplace also adapts to the business to business (B2B) concept. B2B marketplace is just like any other market-place with one crucial difference and that is customers are also the companies. That is why products and services are purchased to be used in companies.

Consequently, B2B marketplace has its own laws and rules such as prices that differ for each customer and loyal customers or customers who place large orders can expect huge discounts.

Most importantly is how does market-place thrive in the world we are living right now?
They are definitely thriving due to the convenience factor (anytime & anywhere) and the better prices compared to the conventional shop.




*Number of digital buyers worldwide from 2011 to 2016 (millions)*

## Coinzermall Your One Stop Shop to Everything.

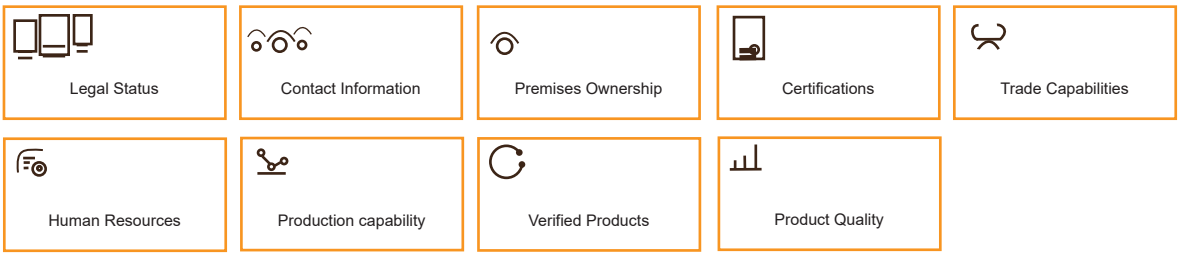
Here with Coinzer we aimed to be the first global marketplace that sells pretty much everything using our own cryptocurrency CZC. Every single one of our customer/supplier will be given a wallet to hold the currency and an all-around money changer will also be provided for those who wants to trade their conventional currency or any cryptocurrency into Coinzer .

Our Coinzer platform will be a decentralized E-Marketplace that will allows manufacturers, suppliers and merchants to join, publish their products for sale, carry out promotion and loyalty campaigns, and get feedback from consumers all using CZC as the transaction method. CZC roles include:

- CZC token creation and the token launch to fund development and expansion
- Establishment of a decentralized, fair and secure E-Marketplace for order execution
- Act as the currency for the E-Marketplace thus increase the value of the coin
- Development of smart contracts to run the order payment process

# SUPPLIER ASSESMENT AND ESTABLISMENT

We will establish trade relationship with only verified and reliable supplier with an outstanding track record to ensure a long-lasting supply for the marketplace.




# CONSUMER

Consumers are individuals or companies that want to buy online products at cheaper prices using CZC. Orders can be placed via the CoinzerMall website, app or custom apps derived from the app reference implementation. Consumer roles include:

- Search products listed by sellers, make orders and pay for them and playing using CZC token
- Participate in feedback requests
- Receive promotion, loyalty, referral and feedback rewards

## E-Halal

Global Halal Industry is worth more than $3.3 trillion in the year 2017 and the prosperity of the global halal industry has been trumpeted all over the news. The rise of Generation M – formally known as the stylish Muslim generation – is an eye-opener for most businesses. Through significant research it has been proven that the opportunities in this industry has not yet been exhausted.

Our ecosystem will become the first global decentralized halal grocery marketplace where consumers can buy fresh kosher products directly from manufacturers that has been approved by Islamic bodies, enjoy low transparent prices for a wide range of high quality products, and save on direct promotions.

We are in the process of signing with worldwide leaders in Halal industries that are developing a centralised Halal Hub in Thailand, Malaysia and Indonesia in which Coinzer (CZC) will be the medium in the global decentralized e-marketplace powered by blockchain and smart contracts. The marketplace focused on halal-based products and are projected to cater to worldwide demand and are missioned to be the equivalent of a halal port towards the trillion-dollar industry.

# E-WALLET TECHNICAL **FEATURES**

Wallets have evolved from simple software programs handling key management to sophisticated applications that offer a variety of features. Significant innovation at both the protocol level and amongst wallet providers has led to the emergence of several technical standards that are considered state-of-the-art, such as multi-signature. While 56% of wallets offer multi-signature support, there are notable differences between small and large wallets: only 42% of small wallet providers offer multi-signature support compared to 86% of large wallet providers.

While 79% of smaller wallets and all large wallets support hierarchically deterministic (HD) key generation, only 57% of largely incorporated wallets h ave implemented mnemonic word sequences to date. This may be due to custodial wallet services that store user keys on their servers and do not, therefore, offer a passphrase for backup.

## COINZER Exchange Functionality

- Buy and sell BTC, ETH, XRP, LTC, Dash, XEM, NEO, MIOTA, XMR and many other cryptocurrencies and tokens.
- International transfers to any blockchain E-Wallet's account, including bank cards, without limits or restrictions (other than those applied for anti-money-laundering purposes).
- Conversion and exchange between Crypto assets.
- Direct payment for services such as telephone, utilities, penalties, loans, taxes, internet, etc.
- Automatic direct debit payments.
- Transaction history data (including sorting services such as filters and payment categories).
- Fiat currency transactions.

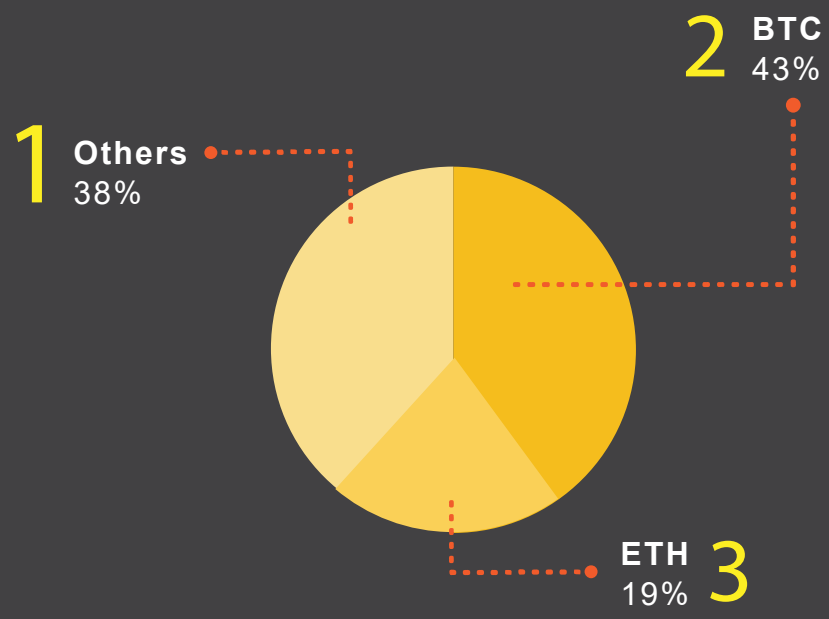
## Additional launch services Will Include:

- Multi-currency transactions (write-off multiple currencies simultaneously).
- Photo-payments – simply take a photo of the invoice and send to COINZER and we will do the rest (this may incur add itional charges). Conversion and exchange between Crypto assets.
- QR payments for COINZER infrastructure users.

## Following services is planning to be included:

- Traditional banking services (following the acquisition of a banking licence) that will enable classical banking services to co-exist with cryptocurrency services.
- Peer to peer crypto and fiat currency transfer.
- Interest earning crypto deposits.
- Banking statements.
- Salary accounts.

**Cryptocurrency Exhange Trading Volume**
Aggregate Volume ($, Billion)




**Cryptocurrency Exhange Trading Volume**
24 Hours Volume (As of March 5, 2018)

| NO | NAME | PRICE | CHANGE | M.CAP | SUPPLY | VOLUME |
|---|---|---|---|---|---|---|
| 1 | Bitcoin | $11,569.80 | 2.77% | $195.54 B | 16.90 M BTC | $6.07 B |
| 2 | Ethereum | $868.92 | 2.36% | $85.15 B | 97.99 M ETH | $1.69 B |
| 3 | Ripple | $0.987720 | 9.73% | $38.61 B | 39.09 B XRP | $917.99 M |
| 4 | Bitcoin Cash | $1,289.79 | 3.69% | $21.93 B | 17.00 M BCH | $363.46 M |
| 5 | Litecoin | $212.88 | 2.63% | $11.81 B | 55.48 M LTC | $560.61 M |
| 6 | NEO | $119.21 | 0.92% | $7.75 B | 65.00 M NEO | $178.31 M |
| 7 | Cardano | $0.296537 | 1.78% | $7.69 B | 25.93 B ADA | $94.68 M |
| 8 | Stellar | $0.380082 | 8.08% | $7.02 B | 18.47 B XLM | $94.01 M |
| 9 | Monera | $372.66 | 7.52% | $5.88 B | 15.79 M XMR | $115.91 M |
| 10 | EOS | $8.26 | 5.06% | $5.85 B | 708.52 M EOS | $208.78 M |

# COINZER GLOBAL **ONLINE MEMBERSHIP**

Coinzer Membership will be developed to be the global online membership program using a scalable blockchain-based platform that enables members to save in broad range of services including travel, insurance, discounts, automotive, crypto-loans and crypto banks, news and safety, etc.

Coinzer Membership is validated by user interest and received strong support from leading service providers. COINZER developed API enables any internet store to display a QR code, which in turn can be read by the COINZER mobile banking customer to scan that code and make a payment using cryptocurrencies in the same way as they could at any contactless payment point.

Not only does it enable the same benefits of the mobile app as noted previously, it also simplifies the checkout process by filling in essential payment information such as delivery address, contact phone number, etc. when scanning the QR code. This is all done instantaneously at a cost for the merchant which is many times cheaper than they pay today.

Such benefits are also being applied to offline contactless payment points where there is no need for a human interaction, for example to pay for a parking permit or paying for petrol without leaving the car.

There are two equally important sides of the infrastructure required to ensure the rapid adoption of cryptofund. The ability to make payments and the ability to receive payments.

## COINZER'S business banking solutions generates not only the ability for merchants to accept cryptocurrencies, but also:

- Conversion between cryptocurrencies and fiat money.
- Increases the speed of payment, (compared to other than cash).
- Reduced costs. On average payments through the COINZER infrastructure will be 4 to 5 times cheaper than the cost of card acquiring about 0.5% - 1% depending on turnover.
- Flexibility with a wide range of payment solutions.
- Reliability, all solutions have been tested over years of development and 2 years of usage.

# PHYSICAL **PROJECTS**

## PROPOSED COINZER GOVERNMENT-BACKED DEVELOPMENT PROJECT.

On top of Coinzer virtual investment, Coinzer to plan to venture into physical asset development and management via raising investment capital through public issued coins which to be block and collateralised against conventional line of credit by friendly bank/s.

> **The exercise expected to bring cash capital of more than United States Dollar Ten Billion (USD10,000,000,000.00) over period of 6 months.**

This can be done via government participations by allowing Coinzer to set based here in Malaysia and by allowing and recognising Coinzer as one of the cryptonised investment platform that slowly recognised by other countries such as Russia, Germany and soon United Kingdom whereby the crypto currencies will be regulated and recognised also to be paired with local banking system.

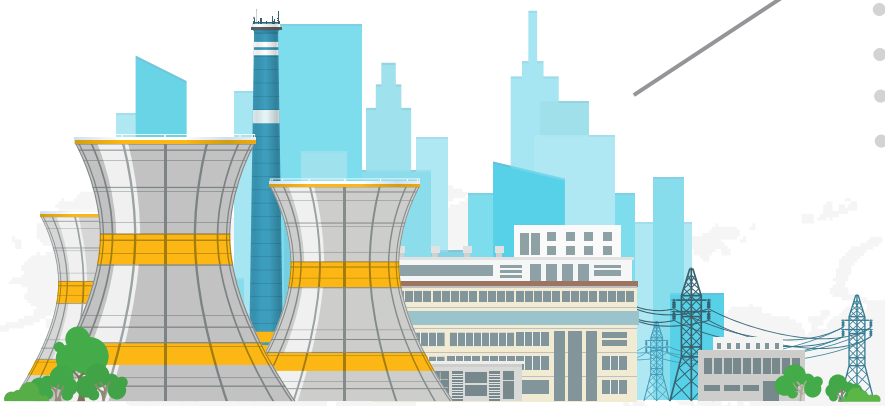
As published by News Bitcoin.com and CNBC News on 11th January 2018 some of the crypto currencies exchange will be legalise on official exchange. With the fact in the near future where buying and selling cryptocurrencies somehow will be standardise.

We feel that with proper regulations in crypto trading and platform exchange thus back up the centralised regulator bodies set up in Malaysia and with the collaboration with current commercial bank as partners the future of crypto currencies trading and block fund that to be utilised into investment amount for physical projects and further supported by the government we feel that the whole concept of investment is secured and stable.

We at Coinzer has lined up few potential projects that we had been involved and feel that the best way to raise the capital investment into these projects is via raising fund through crypto currencies and invested by public worldwide through our international platform as well as our partners.

## COINZER PROJECT

- HYDROMINING
- EXCHANGE
- RUNNING PROJECTS
- ETC



1 **RUNNING PROJECTS**
GENERATE PROFITS

2 **PROFIT**
TO BE USED TO FUND GENERATING ENDLESS PROFIT NEW PROJECTS

3 **NEW PROJECTS**
MORE PROJECTS; MORE INCOME FOR THE GOVERNMENT

Our Hydromining, Running Business and Value Appreciation will generate profit. The profit will be allocated to fund our upcoming projects, creating an unlimited cycle of source of income.

# INITIAL COIN OFFERING (ICO)

## 5.1 DESCRIPTION OF ICO

ICO is the abbreviation of Initial Coin Offering. It means that someone offers investors some units of a new cryptocurrency or crypto-token in exchange of money or other cryptocurrency. An unregulated means by which funds are raised for a new cryptocurrency venture. An Initial Coin Offering (ICO) is used by startups to bypass the rigorous and regulated capital-raising process required by venture capitalists or banks. In an ICO campaign, a percentage of the cryptocurrency is sold to early backers of the project in exchange for legal tender or other cryptocurrencies

Over the past 2 years, the team at COINZER has been building the platform on which its crypto-based services will be launched. The next stage in our development will be the release of a series of digital assets and conventional projects on a blockchain platform that will utilise its own-cryptocurrency - CZC, to feed the funding and transactional process.

This platform will be ready for the release at the end of Q1 2018 - early Q2 2018, and we aimed on advance develop the platform in future. This Whitepaper highlights the key stages and features of COINZER coin and the future trajectories in which our projects will be developed. COINZER is offering pre-sales phase of the CZC coin in which will be divided to a Private Limited Pre-Sale phase (by invitation only) for private investors and Public Pre-Sale phase for the public, followed by official ICO.

Further details of the ICO and the potential benefits of CZC ownership are provided in this Whitepaper. The binding terms and provision of CZC Token Sale will be outlined in the Terms & Conditions provided at https://coinzer.co (the “Website”).

| | |
|---|---|
| Start Date | 1st January 2018 |
| Duration of Pre-sale Token | |
| Phase 1: Private Limited Pre-Sale<br>Phase 2: Public Pre-Sale | 1 month or until completed<br>2 months |
| Duration of ICO | 1 Month |
| Price of CZC token | Starting at US 0.05 Dollar |
| Option for early termination | Yes, upon reaching $40 million USD (hard cap) |
| Technical limit to the number of tokens | 21,000,000,000 (Twenty One Billion) |
| Adjustable distribution | Unsold and unallocated tokens will be destroyed |
| Further token issues | No, a single token issue within the ICO |
| Min Cap | $5 million USD |
| Secured methods of token purchase | Bitcoin & Altcoins, fiat payments and others |
| Token activation date | No later than 30th June 2018 |

# DECENTRALISED FUEL TO **POWER THE ENGINE**

Only CZC tokenholders are able to use the COINZER platform. Thanks to COINZER's intelligent proprietary technology, this transaction fees is 100% transparent to the user, carried out immediately, at current exchange rate available.

In fact, COINZER, which is based on robotic algorithms that automatically search for the optimal rate for a given transaction at any given time on all exchanges with which COINZER has integrated, and the instant formation of a corresponding lot for the purchase or sale of cryptocurrency on the selected currency exchange, will ensure that the user gets the best conversion rate possible for the whole transaction which will more than likely compensate for the small percentage of the transaction charge that is applied at the time of purchase. COINZER is committed to 100% transparency with the customer and in the same way that customers are not fooled by the zero percent commission deals in fiat currency conversion, they will not be fooled by such deals in crypto conversion.

## STRUCTURE

After the ICO period, all contributors will receive an even distribution of CZC tokens based on how many tokens purchased according to phases involved. Whenever the CZC blockchain is launched with its own token mechanism, the CZC token will be always accepted for exchange to a new token driver for its economy.

The CZC token is fractionally divisible, transferable and fungible. The token balances and transfers will be tracked by CZC. In the case of any force majeure, such as large token theft, contract compromise, or a disrupting change of THE protocol, CZC may opt to freeze token transfers and issue a new token contract with balances replacing that of the original token registry
by certain date.

## USAGE

The CZC token is planned to be the only means of exchange for handling all types of rewards and one of the means of payment within the CZC platforms.

We plan that CZC tokens will be accepted as a payment method in partner services as well as our future digital projects and can be exchanged for bitcoin, altcoins or even fiat money using our exchange app.

## TECHNOLOGY

- SMART CONTRACT - Reliable solution for your token development
- ERC-20 universal standard
- Simplify integration with exchanges and other services
- Smart contract management system
- Simplify token holders' experience after the ICO.

## ADOPTION

One of our key goals is the introduction of a decentralized crypto-based projects to audiences that have little experience with cryptocurrencies and likely to have little-to-no knowledge of blockchain-based technologies. The CZC ecosystem will be expanding beyond the crypto community and focusing its activity on the broad audiences.

Providing services to this audience requires perfect knowledge of the industry and its specifics. Given extensive industry experience, our team knows exactly what users want.

We will make it very simple and straightforward for our users to buy, earn and use CZC tokens. The complexities of opening and maintaining a cryptocurrency wallet will be made seamless in the CZC website and apps.

## LEGAL REVIEW

- LEGAL COMPLIANCE WITHIN THE ICO REGULATIONS - Legal advice by specialists experienced in ICO with up to date legal documents within the law and jurisdiction of respective countries where we open the ICO platform
- Terms of Use, agreements, Privacy Policy, Warranties, Disclaimers, risk factors and ongoing legal
advice
- Legal advice on ICO specifics throughout the token sale
- Escrow service
- Legal requirement and assurance for your clients

## KYC

The tokens are not being offered or distributed to, as well as can not be resold or otherwise alienated by their holders to citizens of, natural and legal persons, having their habitual residence, location or their seat of incorporation in the country or territory where transactions with digital tokens are prohibited or in any manner restricted by applicable laws or regulations, or will become so prohibited or restricted at any time after this Agreement becomes effective ("Restricted Persons").

We do not accept participation from the Restricted Persons and reserve the right to refuse or cancel the CZC token purchase requests at any time at our sole discretion when the information provided by the purchasers within the KYC procedure is not sufficient, inaccurate or misleading, or the purchaser is deemed to be a Restricted Person.

## ESCROW

All payments received for CZC tokens in connection with the CZC token sale will be held in escrow in a multi-signature wallet. Keys will stay with the CZC team and Partners, a cross-border provider of legal services.

# Utility Comparison to Purchase a Cup of Coffee.

| Without COINZER | With COINZER | With CZC tokens |
|---|---|---|
| To purchase a cup of coffee in a regular coffee shop using cryptocurrencies, users have to top up the balance on the exchange (avg. 20 min. for BTC), exchange their currency, and wait up to three days to top up their fiat accounts. Only then can a user purchase a cup of coffee. | Users can make an immediate payment in the preferred cryptocurrency in their COINZER E-Wallet. However, to conduct the settlement, CZC tokens should be used. In the event the user has no tokens, he will have to find a token holder that transfers CZC tokens. | Users just tap the standard NFC terminal with their smartphones. A small of 0.5% CZC transaction fee is charged andburned. Transaction is done. |

### Token Holder Benefits

Priority service for all COINZER applications and support, including early roll-out for new functionality.

COINZER is planning to apply a wide range of anti-fraud measures which in turn should place limits on the number of actions users can make in formative period of the company's development. These limits will apply to those users that hold 10,000 or more tokens.

Whilst many core functions of COINZER will be free to use for all members, future additional services may incur a fee for use, for example concierge services. Upon launch, token-holders can expect to receive a discount of up to 75% from standard fees (the exact benefits will depend on the service.

Those token-holders that are also merchants using the COINZER payment platform for acquiring will be entitled to fee discounts of up to 50% from standard fees (exact details will depend of the date of launch of the acquiring solutions which as per the road map will come after the crypto payments platform.

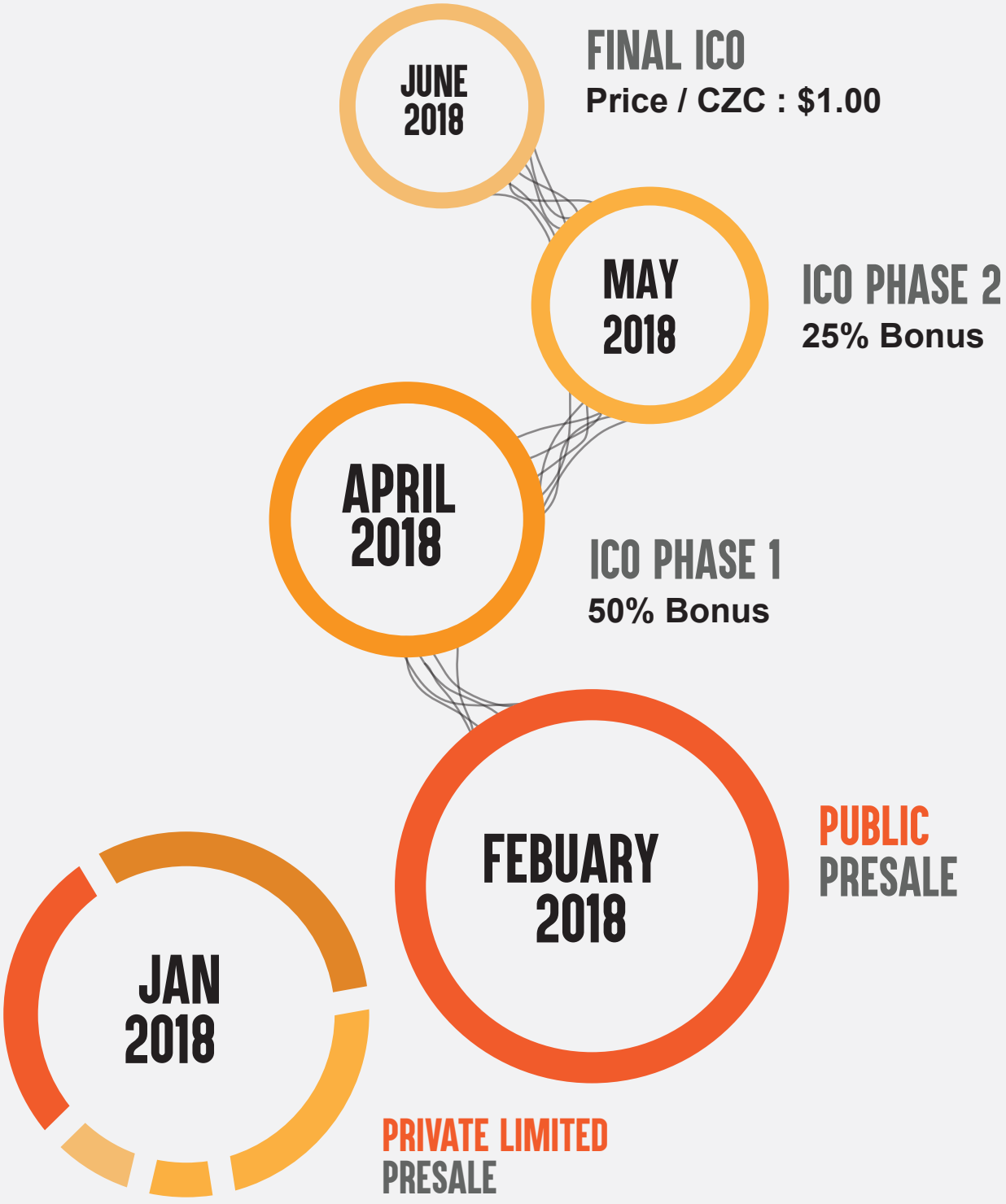
## 5.2 Purpose of The ICO

# PURPOSE OF THE ICO

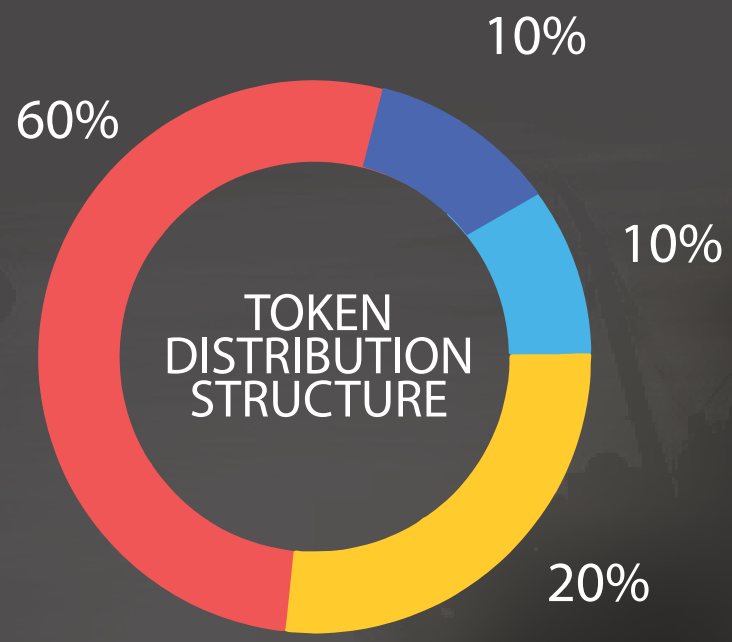
The funds raised through our ICO exercise all kinds of digital asset projects such as e-commerce, e-marketplace, currency exchange program, etc and as well as government backed projects using blockchain based platform such as properties, industrial, logistics & transportation, centralised trading hub, etc.

By focusing on digital assets and conventional projects, Coinzer will integrate the latest blockchain innovations to power "Smart Business Contracts" on a highly effective chain, and resolve the latency issues associated with existing, general-use blockchains. Its utility token, Coinzer Coin (CZC), is planned to be a "master token" to fund & empower new digital asset & conventional projects, similar to how ETH is used for the current generation of ICOs.

# 5.3 ICO TIMELINE



## 5.4 TOKEN **DISTRIBUTION**




- Public
- Coinzer Foundation
- Team
- Bounty Advisor Partnership

# DISCLAIMER OF LIABILITY

The purpose of this White Paper is to present COINZER and CZC Token to potential token holders in connection with the proposed Token sale. The information set forth below may not be exhaustive and does not imply any elements of a contractual relationship. Its sole purpose is to provide relevant and reasonable information to potential token holders in order for them to determine whether to undertake a thorough analysis of the company with the intent of purchasing CZC Tokens.

Nothing in this White Paper shall be deemed to constitute a prospectus of any sort or a solicitation for investment, nor does it in any way pertain to an offering or a solicitation of an offer to buy any securities in any jurisdiction. This document is not composed in accordance with, and is not subject to, laws or regulations of any jurisdiction, which are designed to protect investors.

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