WHITE PAPER

(as of: 01.2020)

WWW.**LIO-COIN**.EU

SUMMARY

BRIEF DESCRIPTION

LIOcoin is a decentralised blockchain that works using the Kryptonode and Litecoin algorithm. The crypto-module offers cryptographic functionality, which includes a series of wrappers for open hash, HMAC, cipher, decipher, sign, block explorer and special algorithms for checking POW & POS functions for access to this module.

LIOcoin is the first European blockchain-based coin to stand out for its energy efficiency, transaction speeds and high security standards.

It is important to the operator of the LIOcoin blockchain, Global Cybersecurity Summits Limited (henceforth referred to as GCS), to show the opportunities for innovation that the development of the Internet and especially blockchain technology will provide for the future.

GCS will therefore be investing in the future in innovative and sustainable projects and start-ups in the field of artificial intelligence or sustainable transport and energy projects. GCS believes that only by promoting these future-oriented projects is it possible for our world to develop and sustain itself in a positive way.

OVERVIEW

Global Cybersecurity Summits Limited was founded in 2017 as the result of years of collaboration between various international IT professionals, most of whom come from the areas of internet security, marketing and virtual currency.

Since the advent of the virtual currency Bitcoin, a lot of in-depth experience has been gained in this segment.

The market has really taken off over the past few years (e.g. Bitcoin has grown by more than 8,000% in value since its inception in 2008) and has become part and parcel of our daily life.

Experts believe that cryptocurrencies will replace "conventional" currencies over the next few years. Various countries are already thinking about abolishing paper money and relying solely on virtual currencies as these make it much safer and faster to trade.

BACKGROUND 1/3

Transactions are seen as the building blocks in an integrated economic system. On the market, buyers and sellers conduct transactions for the same reason – primarily the exchange of money for goods and services. A simple and straightforward transaction would mean that the two parties could control and monitor the exchange process themselves without involving third parties. In a more complicated system, we rely on third-party providers such as banks and credit card providers to monitor and validate transactions, but with Bitcoin and blockchain technology, we avoid this need to rely on third parties.

Bitcoin is considered to have been the first successful application of blockchain technology. Blockchain technology is a distributed database that is shared across the network and constantly synchronised. The data is recorded in a public "ledger" and every "node computer" connected to the blockchain network has access to the information about every transaction that has ever been completed.

For a transaction to be completed, it must be validated and reconfirmed by anonymous nodes. This ensures that the system remains transparent and decentralised.

The blockchain explorer is not stored in a single location and is virtually unhackable, since it requires a large amount of computing power to change a single information unit on the blockchain. It is important to note that, while Bitcoin currently monopolises the cryptocurrency market, new cryptocurrencies are being created on an almost daily basis. Longstanding cryptocurrencies (BTC, ETH, Ripple etc.) are colloquially referred to as "altcoins".

Altcoins are rapidly gaining acceptance and market value. To put the market value of cryptocurrencies into perspective, the total market capitalisation of all the top 100 cryptocurrencies at the time of writing is just over 220 billion euros, with Bitcoin leading the market with a value of 149 billion euros.

One unit of Bitcoin is now worth more than 8,000 euros, a jump of almost 8,000% since its inception. Ether, a well-known altcoin competitor of Bitcoin, has a market capitalisation of just over 18 billion euros and a value of 167 euros. And Bitcoin Cash, a cryptocurrency that is separate from Bitcoin, is growing at an incredibly fast rate, achieving market capitalisation of 4.7 billion euros within a day of its inception, making it the fourth largest cryptocurrency on the market.

The rapid growth of the ecosystem has put it alongside the big banks, including the Commonwealth Bank of Australia with a market capitalisation of 105 billion euros, the Royal Bank of Canada and the Bank of China with a market capitalisation of 100 billion and 124 billion euros respectively. Other companies with similarly strong growth such as Airbnb (30 billion euros market capitalisation), Uber (70 billion euros market capitalisation) [8] and Xiaomi (46 billion euros market capitalisation) fall a long way behind.

BACKGROUND 2/3

The boom in the cryptocurrency market is a positive sign, considering that it is still in its early stages. With advancements in the blockchain technology behind all the growing cryptocurrencies and their increasing acceptance worldwide, we can assume that the ecosystem will grow even faster in the coming years. Most importantly, the entire system is powered by a network of "miners" who handle transactions within the system. If transactions are the building blocks of an ecosystem, nodes or miners are the backbone that ensures durability and sustainability.

As long as there are incentives for the miners – as per Adam Smith's statement on self-interest – the miners will continue to put their efforts into processing network transactions. Mining cryptocurrencies can be seen as a profitable activity as long as there are coins to be mined.

Adam Smith would hypothesise that there is a clear correlation between the mining effort given to a cryptocurrency and its empirical value. He would maintain that a rational miner looking for profit would use significant mining resources in these endeavours. As a result, we can conclude that the effort put into mining is an indication of the general acceptance and use of the cryptocurrency. The best example of this is Bitcoin.

According to economic and demographic thinking, the market for cryptocurrencies is huge, or perhaps even infinite, in its potential. Blockchain technology is a complex technology that is still in its infancy. As acceptance increases, the biggest players will be those who, like us, employ the technology early on – even though they may not have Bitcoin's first mover advantage.

Creating a new cryptocurrency with a specific purpose and functionality may not be enough to ensure wholesale public acceptance.

Not all problems need a solution. If the problem affects only a small group of people, cost and benefit may not be in relation to one another. We are therefore of the opinion that we need to go back to basics. Bitcoin may be cryptocurrency's biggest player and market leader, but there are parts of the world that are still reluctant to accept digital currencies.

The situation is actually uncanny: a mass introduction of cryptocurrencies could guarantee stability, but it is price volatility that prevents this large-scale spread. Bitcoin's goal is to become a decentralised payment system that empowers people by freeing them from a dependence on third parties. What we intend is a cryptocurrency that is used and accepted alongside "money currencies".

BACKGROUND 3/3

A supplementary payment method that allows people to sign in and out as needed. It is a generally accepted fact that mining is not for everyone. The initial investment can be expensive, and there are several factors to consider, including hardware costs, the power supply and power consumption.

It is for these reasons that we have chosen India, with its cheaper power, as a strategic location for constructing our mining farm. India has one of the lowest electricity tariffs in the ASEAN region, and we plan to take advantage of this to build and manage our mining farm. However, we will be relying exclusively on renewable energies for future investments in mining farms, and would like to be utilising these 100% from 2021.

The administration and headquarters of the company are located in the UK, from where the entire Global Cybersecurity group is managed. Our mining farms and our technical development operations are located in India.

The goal of this white paper is to introduce a new cryptocurrency that uses cryptocurrency mining activities to add value for its owners. In the first part of this white paper, we will explain how the value of LIOcoin can be created with the support of profitable activities in the real world.

In the second part, we will explain our business model and roadmap, which will expand the use of LIOcoin in other services and thereby increase the value of LIOcoin in the market and achieve a higher return. *The information applies from August 2017*

The market capitalisation is calculated from the sum of the available units of the cryptocurrency multiplied by the current value in euros. Bitcoin underwent a "hard split", separating the cryptocurrency into two parts.

LIOcoin is the first European coin to combine the opportunities provided by the blockchain network with investments in the (further) development of its own future-oriented and beneficial technologies. GCS's plan for the future is to expand its areas of investment to include support for further promising start-ups that are considered sustainable and environmentally sound.
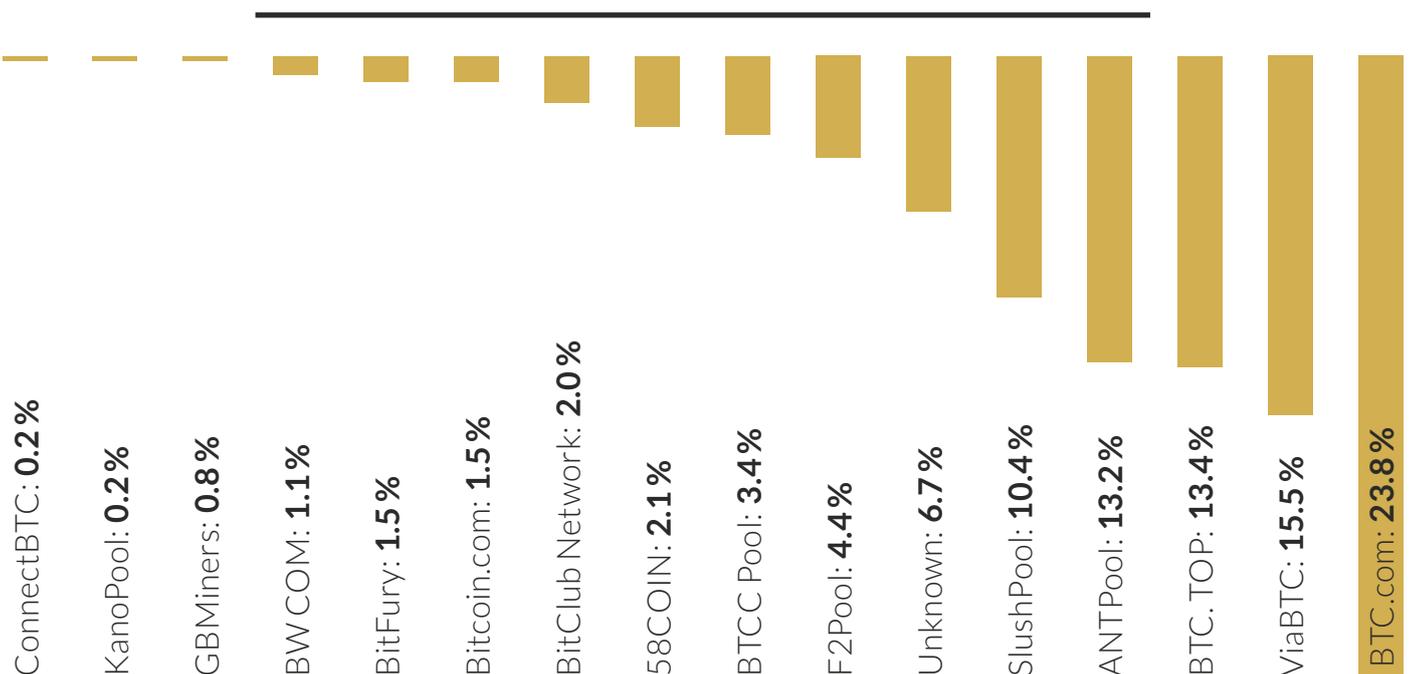
MISSION STATEMENT 1/2

Experts believe that cryptocurrencies will replace "conventional" currencies over the next few years. Efforts are currently being made in various countries to abolish paper money and rely only on one of the many virtual currencies, as these make it much safer and faster to trade.

Our vision is to create a secure, stable and decentralised digital currency that is accepted worldwide. The networked platform stands out due to its user-friendliness and security. Since the emergence of virtual currencies such as Bitcoin, Ethereum, Ripple, Zcash, Dash, etc., much experience has been gained in this sector. As a result of this experience, we have created a cryptocurrency that is even safer and more sustainable – LIOcoin.

The goal is to make LIOcoin the most commonly used payment method for virtual currencies. A cryptocurrency is only as good as its suitability in everyday use. Whether you have already recognised the enormous potential of cryptocurrencies as a means of payment and the versatile Blockchain technology as an all-rounder for implementing all types of processes or whether you have only heard about them, is of little importance. Take advantage of the opportunities offered by this technology of the future.

By investing in the (further) development of its own beneficial, future-oriented technologies and companies, and also in promising future start-ups, LIOcoin is connecting the worlds of digital currency and real economic and market trends.

DISTRIBUTION OF BITCOIN MINING POOLS

ConnectBTC: **0.2%**
KanoPool: **0.2%**
GBMiners: **0.8%**
BW COM: **1.1%**
BitFury: **1.5%**
Bitcoin.com: **1.5%**
BitClub Network: **2.0%**
58COIN: **2.1%**
BTCC Pool: **3.4%**
F2Pool: **4.4%**
Unknown: **6.7%**
SlushPool: **10.4%**
ANTPool: **13.2%**
BTC. TOP: **13.4%**
ViaBTC: **15.5%**
BTC.com: **23.8%**

MISSION STATEMENT 2/2

Our plans for the future:

LIOcoin Crypto Debit Card (LCDC):
the development of debit card technology through collaboration with a global debit card issuer will mean that LIOcoin and other digital crypto assets deposited in the LIOcoin wallet can be used worldwide for payments and cash withdrawals. However, we are currently awaiting changes in terms and conditions of business and in the attitude of credit card companies towards cryptocurrencies.

LIOcoin is aware of its social responsibility:
Commitment to and further development of its own technologies and companies, and, in the future, the promotion of promising start-ups is beneficial for the economy and for society. New future-oriented jobs will be created, tax revenues increased for local and national governments and economic growth promoted.

Development of solutions and technologies:
that make everyday life easier for everyone and are available to all. The further development of the blockchain as a basis plays an important role in this.

In addition to financial independence and a cost-effective means for everyone worldwide to make financial transactions, our focus is on leaving the environment intact for future generations.

We are therefore focusing on the following areas:

- smart city & building solutions
- energy-efficient and "green" coin mining as well as other blockchain solutions
- regional organic food & drink
- real organic cosmetics and pharmaceutical products
- innovative solutions for mobility and transport

Of course, the profit motive cannot be ignored.

LIOcoin gives 360° assistance to boosting national economies, with a positive impact on people and their natural surroundings.

REVOLUTION OF ETHEREUM

Ethereum is a decentralised platform containing so-called "SMART CONTRACTS": applications that run exactly as they were programmed, without downtimes, censorship, fraud or intervention by third parties. These apps run on a custom blockchain, an enormously powerful, shared global infrastructure.

This allows developers to create markets, store registers of loans or investments, move funds according to instructions devised in the past and many other things that were unthinkable at the time this blockchain was developed – all without an intermediary or counterparty risk.

The project was loaded in August 2014 via an ether pre-sale by fans from all over the world. It was developed by the Ethereum Foundation, a Swiss non-profit organisation, using contributions from prominent people all over the world. On traditional server architectures, each application has to set up its own servers that run their own code in isolated silos, making data sharing difficult.

When a single application is compromised or goes offline, many users and other applications are affected.

On a blockchain, anyone can set up a node that replicates the necessary data for all nodes in order to reach an agreement and to be rewarded by users and application developers. This keeps the user data private and the apps decentralised, as should be the way with the Internet. Smart money, smart wallet: the Ethereum wallet is a gateway to decentralised applications on the Ethereum blockchain.

It allows you to hold and secure Ether and other Ethereum-based crypto assets, as well as to write, implement, and use **SMART CONTRACTS.**

ETH

TRANSPARENCY AND REGULATION
A paradigm shift in the financial world

Within the niche sector of Bitcoin and the blockchain, investments in cryptocurrencies and their infrastructure have increased significantly and overtaken classic venture capital investments many times over.

All over the world, government regulators have begun to redefine their attitudes toward this rapidly growing industry. A process was launched that is still ongoing.

With the increasing liquidity and active trading of cryptocurrencies, our network demand for an uncomplicated and transparent alternative to "altcoins" has also increased.

We have therefore started to explore the options that give our users access to a coin that meets compliance regulations. When evaluating this process, we quickly realised that the regulatory challenges were enormous.

We have also witnessed people creating new financial instruments, e.g. by linking venture capital with private equity, and often misusing them while ignoring the applicable legislation. A notable example was the infamous DAO token.

We only believe, therefore, in a "mineable" cryptocurrency that transparently maps proof of work (POW) & proof of stake (POS). LIOcoin lives up to this requirement.

We have continuously renewed and adapted our platform to meet the challenges and updates of regulatory demands, market requirements and technological advances in the individual countries.

By using blockchain technology, every single transaction is documented. The movement of any LIOcoin can be tracked at all times. On the basis of the knowledge available today, manipulation by third parties or even within the company is impossible.

Anonymous transactions are also not possible due to the necessary authentication of every "active" user. Know your customer (KYC) obliges every user to provide his or her personal data by means of a valid, recognised official identification document (identity card or passport) and current proof of address (e.g. gas or electricity bill).

Due to LIOcoin's complete transparency, payment paths within the LIOcoin ecosystem can be tracked without restriction. The reputation of the industry as a money laundering vehicle for criminal activities is thus counteracted 100%. The AML (Anti Money Laundering) guidelines are actively applied and fulfilled.

2017 - 2021

ROADMAP

Our vision is to create a secure, stable and decentralised digital currency that is accepted worldwide. The networked platform stands out due to its user-friendliness and security. Since the emergence of virtual currencies such as Bitcoin, Ethereum, Ripple, Zcash, Dash, etc., much experience has been gained in this sector. As a result of this experience, we have created a cryptocurrency that is even safer and more sustainable – LIOcoin.

LIOcoin was introduced in 2017 and has already achieved some milestones.

2017

Ideas and concepts become reality:

whitepaper, technical paper, mock-ups and process designs are created and finalized.

BUSINESS LAUNCH

LIOcoin was created by Global Cyber Security Summits who have been involved for more than 10 years in the blockchain and banking technology industry. Initial start in the UNITED KINGDOM & EUROPE.

2018

PARTNER S & CONSULTANTS:

Key partnerships are made and prominent advisory board members are added.

Februar **2018**

PRE-SALE
Advance sales and public February 2018 sales for launch

PROTOTYPE
The first alpha release of our platform goes into operation. The investor view and apps for iOS and Android devices

April **2018**

2018

-H2- NETWORK RELEASE

The complete platform for all company owners and investors goes into operation. It is aimed at small and medium-sized companies and the general public. Platform functions such as API tools, apps, useful resources and exchange resources are introduced ready for use.

2019

LIOcoin is listed for the first time on a digital currency trading platform (BTC-ALPHA) and is thus freely tradeable for everyone worldwide.

Juni **2019**

Juli **2019**

The LIOcoin app, (multi-currency app) is now available. and allows users to save LIOcoin and other digital currencies on their smartphone.

LIOcoin is listed on "Euro-BTC", the first blockchain-based trading platform, making LIOcoin trading even safer. At the same time, it is delisted on the "BTC-ALPHA" as this platform no longer meets LIOcoin security standards.

August **2019**

2020

Start of acquisition
of acceptance points for LIOcoin in collaboration with „Mr.Panda"

January **2020**

February **2020**

Legal preparation
by LIOcoin/GCS for the regulation of cryptocurrencies

PRE-SALES STAGE

Starting on 20 February 2018, LIOcoin was released for sale to the public and business partners in four phases. During this phase, up until the end of May 2018, approx. 300,000 coins were traded, which fed into the further advancement and perfecting of LIOcoin's blockchain.

These funds were also invested in increased marketing measures and in a listing on a crypto exchange.

OFFER FOR THE GENERAL PUBLIC

If users carry out actions on the LIOcoin blockchain platform, they can be rewarded with LIOcoin by mining from several "pools" that are specifically intended for different members. The calculation method will be transparent and verifiable on the blockchain as a result of approval and acceptance through the "mining processes" on the blockchain.

These are visible to everyone at all times on https://lioexplorer.eu.

Each pool has its own sales method. * The details of the "mining pool" are regularly exchanged and updated by the project and supplemented and recorded in the roadmap.

TECHNICAL INFORMATION - LIOcoin

Technical specifications:

Scrypt / PoW / POS :	Scrypt algorithm
Confirmations:	20 Blocks
Maturity:	100 Blocks
Circulating supply:	21 billion
Premined:	4.2 Billion
Block reward:	.001 block
Goal:	2.50 Minutes
RPC Port:	8568
P2P Port:	8567
Code:	https://github.com/liocoin
LIOcoin Blockchain:	https://lioexplorer.eu
Network (GH/s):	variable
Difficulty level:	variable
Website:	https://liocoin.eu

TECHNICAL OVERVIEW & EXCHANGE INTEGRATION

The LIOcoin platform is in a continuous development cycle. There are also major hurdles to be overcome when abstracting the complexity of blockchain and cryptocurrency technologies in order to make them accessible for everyday use.

LIOcoin has multiple layers of proprietary technologies, secure processes and protocols to ensure the security of our customers' assets. The servers are located in carefully selected jurisdictions, which reduces political risks and the risks of adverse regulatory measures or natural disasters.

We take security very seriously; this is our highest priority. We offer LIOcoin customers full financial freedom and enable them to make decisions about investing in secure assets in a transparent and decentralised manner. Our goal is to give everyone an easy entry into the world of digital currency.

That is why we have developed a buying process that is no more complicated than making a simple transfer. To do this, we work with a licensed payment service provider, the company Cryptocoin.pro, which receives the payments from users for us. All the KYC and AML regulations are also followed and processed here.

After the transfer has taken place, the traditional currency is automatically converted into cryptocurrency and entered into your LIOcoin WALLET.

To buy LIOcoin, payments in Bitcoin/Ether/Ripple as well as credit card payments and transfers are accepted.

You can transfer LIOcoin privately to any other LIOcoin wallet in the world You can now use things in a way no other digital currency can.

Supported by LIOcoin & GCS Group: the technology behind LIOcoin and a sector leader in terms of security and decentralisation.
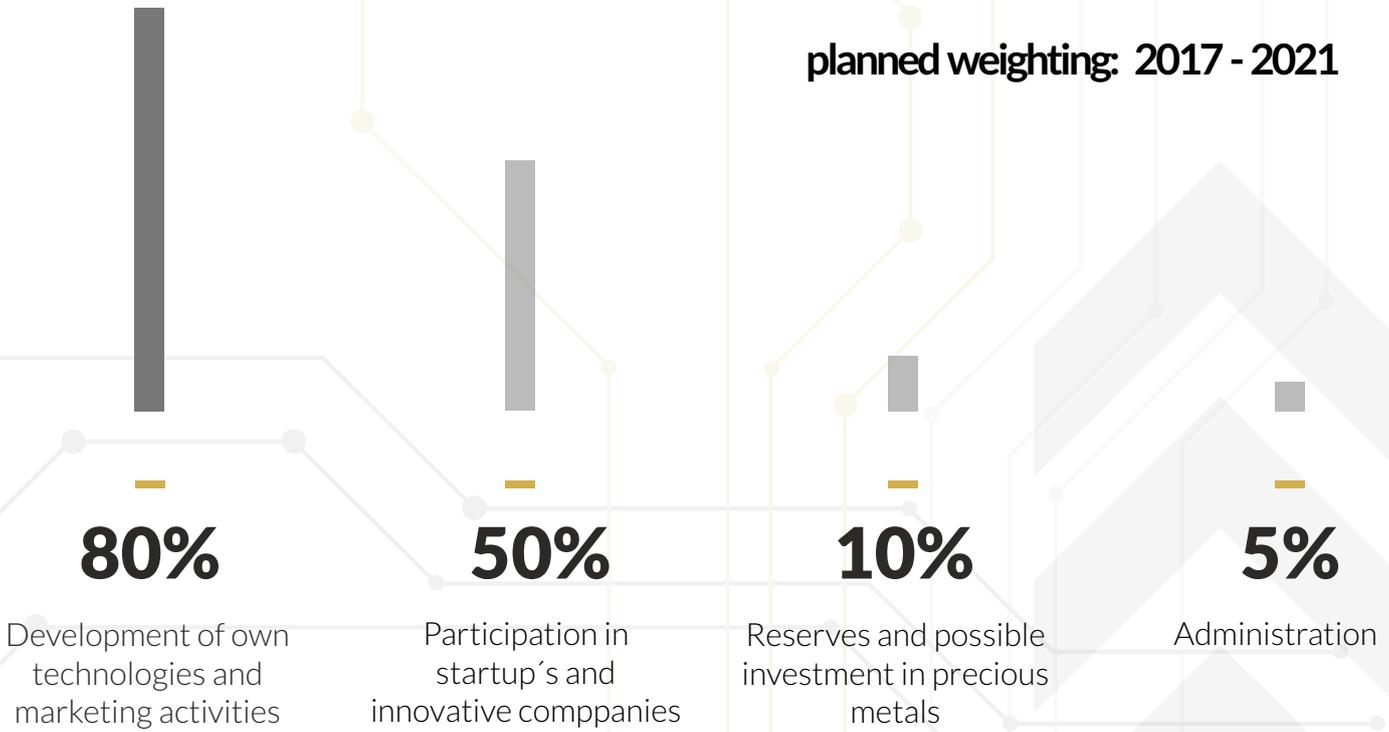
OTHER VISIONS AND PROJECTS

- Automatic cash dispenser
- Debit card / prepaid card / online payment gateway
- ACCEPTANCE POINT: from mid-2020 "MrPanda"
- Cooperation with major banks (* stock exchanges), club collaborations
- Leasing and finance & mortgages.
- Metro payment system. * Smart city payment provider
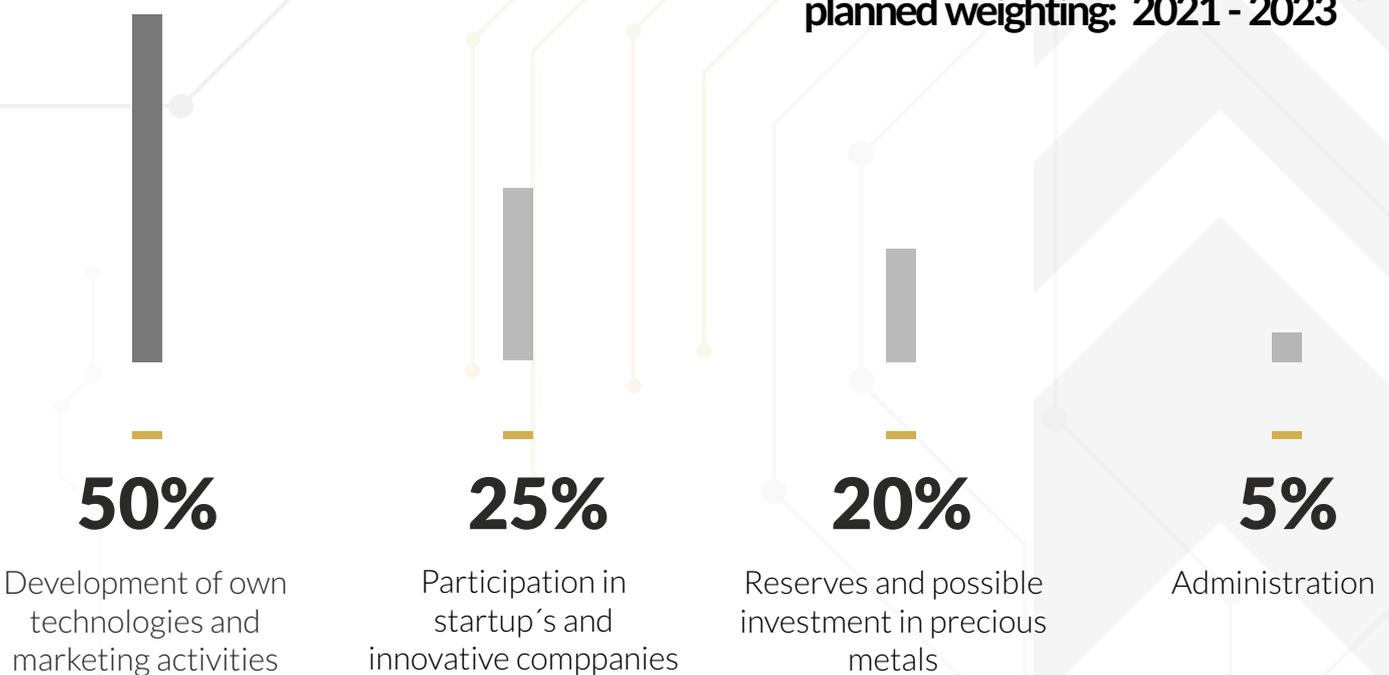
ALLOCATION OF RESOURCES

€

Global Cybersecurity Group's investment plans:

planned weighting: 2017 - 2021

80%

Development of own technologies and marketing activities

50%

Participation in startup´s and innovative comppanies

10%

Reserves and possible investment in precious metals

5%

Administration

planned weighting: 2021 - 2023

50%

Development of own technologies and marketing activities

25%

Participation in startup´s and innovative comppanies

20%

Reserves and possible investment in precious metals

5%

Administration

MINING-PROCEDURES

In the LIOcoin blockchain mining process, a block is identified that, if hashed twice with Scrypt, results in a number that is less than the specified difficulty goal.

While the average amount of work increases in inverse proportion to the difficulty goal, a hash can always be checked by performing a single round of double scrypt.

A valid proof of work is found by incrementing a "none" until a value is found that gives the block hash the required number of leading zero bits. Technologies used to mine LIOcoin: basic CPUs, high-end graphics processors, popular gaming computers, FPGAs and ASICs are all used, whereby the profitability of the less specialised technology is reduced.

21 billion LIOcoin are in circulation, 20% of which are "pre-mined", with the remaining 80% "mineable" through the LIOcoin blockchain mining pools.

Website: https://lio-coin.eu

APPENDIX

Blockchain Explorer Lio Coin: https://www.lioexplorer.eu/

Kryptoexchange: https://euro-btc.eu or https://euro-btc.info

Github: https://github.com/liocoin

Payment provider: https://www.cryptocoin.pro/?lang=de

Lio Multicurrency APP: https://lioapp.eu/

Neironix: https://neironix.io/de/cryptocurrency/liocoin

Facebook: https://de-de.facebook.com/LiocoinBlockchain/

Instagram: https://www.instagram.com/liocoin/

Telegram: https://t.me/s/liocoin?before=26
Mr Panda: https://mrpanda.eu/