PLATINCOIN

PlatinCoin Cryptosystem

Overview

1. PLATINCOIN AND ITS CRYPTOSYSTEM

1.1 Highlighting Characteristics

The PlatinCoin is not only a new generation of cryptocurrency, but instead builds an extremely flexible and multifunctional platform with the PlatinCoin Cryptosystem, which allows everybody to pay for a wide variety of daily goods and services without time delay; for example, such simple things as the purchase of your daily coffee, online purchases or payments for international travel insurance.

The PlatinCoin is designed to become the most used crypto coin worldwide, especially for international users not being able to own a bank account. Its underlying blockchain technology facilitates the daily high volume of payments. The PlatinCoin provides fast, inexpensive, international and secure transfers by form of immediate payment. These advantages appeal not only to the individual user but will also accommodate the respective payment needs of commercial users like merchants and service providers. The introduction of the PlatinCoin Debit Card will additionally contribute to the commercial viability of the PlatinCoin.

The key drivers for the worldwide use of the PlatinCoin and the strong development of its market capitalization are:

- Easy minting of 10% PlatinCoin per year
- PLC Secure Box – Generator of PlatinCoins
- PlatinCoin "Partners promote Partners" Program
- Establishment of an international hotel & flight booking tool that already accepts PlatinCoins as payment method
- Fast development of our network of Points of Acceptance
- Introduction of the CryptoMessenger
- PlatinCoin Debit Card
- PlatinCoin eWallet
- PlatinCoin Secure Wallet
- A public fund with the legal form of a UCITS, an important step into the direction of a regulated financial market
- PlatinCoin's social network

1.2 Easy Minting of 10% PlatinCoin per Year

PlatinCoin has been designed as a mass-suitable cryptocurrency. In addition, coin owners also have the possibility to earn PlatinCoins by minting.

Cryptocurrency mining is currently very expensive and requires the application of considerable resources. Mining of the Bitcoin for example requires a massive employment of servers and energy, which is highly expensive. However, it can't be foreseen in which capacity or time frame a Bitcoin is produced. Should a block coincidentally detect another intersection, the necessary time and finances of a miner needed to close the block, and ultimately their investment, could be wasted. Mining on traditional crypto networks therefore resembles more of a lottery, whose probability stands in proportion to the application of servers and energy (Proof of Work). This feature leads to an endless "hardware arms race" in regard to the production of Bitcoin, and therefore to considerably growing hardware investments and energy expenses. Another effect is the conjunction of previously independent intersections to pools and therefore a loss of desired decentralization of the blockchain technology.

In contrast, however, the PlatinCoin Minting is true a game changer. Everybody can easily mint 10% of their PlatinCoins - guaranteed.

1.3 PLC Secure Box – Generator of PlatinCoins

The PLC Secure Box is a novel high security key storage, which is able to produce 10% new PlatinCoins yearly. The amount of purchasable PLC Secure Boxes is limited to an estimated maximal amount of 28,000 boxes, at a starting-price of 5,000 Euro each.

The production of PlatinCoins requires that the user stores the PlatinCoins on the Secure Box. This is a necessity for the production of new PlatinCoins, which is why the user needs to transfer PlatinCoins onto the PLC Secure Box. As soon as the PLC Secure Box is in use, 10 % new coins are generated from the transferred amount of PlatinCoins on the PLC Secure Box. The PLC Secure Box owner decides the duration of the usage of transferred PlatinCoins for the minting process. The minting process is completed as soon as the user transfers the PlatinCoins used for the production of new PlatinCoins, back to the Wallet.

During the production phase, newly generated PlatinCoins will constantly be transferred onto the user's personal PlatinCoin Wallet. However, the new PlatinCoins can also be reinvested into the running minting process. That way, the user can also use the reinvested PlatinCoins for the creation of new coins.

After payment of the PLC Secure Box, the owner will be supplied with it.

The guarantee of a 10% profit on a yearly basis will be secured by form of a Smart Contract and the proprietary implementation of a Proof-of-Stake in blockchain language.

The PLC Secure Box uses the newest hardware technology solutions, which guarantee a unique security level:

- ⊘ A special crypto processor reliably saves the key and does not have a direct network access. A key can only be inserted into the crypto processor, but not drawn from it

- ⊘ The communication processor saves the collaboration between the blockchain transmissions and the complete logic behind the commercial minting.

- ⊘ The hardware coincidence-number-generator, based on Brown's movement (the stochastic world process), plays an important key role in the production of actual random numbers for the security of the Wallets.

Secure encryptions on mobile devices. A six-digit pin and a modified algorithm to encrypt the Wallet on mobile devices make it impossible, by use of currently existing hacker tools, to abstract the Wallet key and, in principle, extremely difficult to steal keys from the wallets.

1.4 PlatinCoin „Partners promote Partners" Program

With the PlatinCoin "Partners promote Partners" Program, owners of PlatinCoins are rewarded who successfully refer investors to the PlatinCoin Minting Program. After having purchased PlatinCoin, the purchaser will be furnished with a personalized referral link, which will be displayed prominently in the PlatinCoin sales area of the user and is necessary for the successful referral of a new client. By sharing this links through e-mail, social media or the CryptoMessenger with a potential investor, this link will lead to the PlatinCoin web page https://www.Platincoin.com, where the investor can register should they decide to participate in the PlatinCoin Minting Program. The affiliate software tracks every successfully referred user and assigns this user to its referrer. Besides that, users can track the status of each referred friend in real time. The commission rules are as follows:

- ⊘ 10% bonus of the purchase amount of the introduced investor is initially credited in the sales area

- ⊘ The bonus can then be paid out in Euro or other forms of FIAT currencies; a payout in PlatinCoins is also possible

1.5 Flight and Hotel Booking Tool

PlatinCoin will, at the earliest possible, be implemented as a form of payment. One of the first possible payment applications will be implemented for hotel and flight payments. A short-term implemented PlatinCoin Booking Tool immediately selects hotels and flights according to the criteria and terms selected by the user. The system works globally, is fast and cost efficient, and has access to a large scale of hotels and airlines.

The PlatinCoin Booking Tool will be accessible via the PlatinCoin website https://www.platincoin.com. All bookings shall be paid with PlatinCoins in the future.

1.6 Fast Expansion of the Network of the Points of Acceptance

The amount of acceptance points of the PlatinCoin will quickly increase.

More than 200,000 individuals from over 100 different countries have already registered as partners of the PlatinCoin. It can be expected that this number will drastically increase. These partners are not only interested in the purchase of PlatinCoin as an investment, but also interested in the use of the PlatinCoin as a daily payment means. With the "Partners promote Points of Acceptance" scheme introduced by Platin Genesis, each PlatinCoin partner will be rewarded for generating a new acceptance point for PlatinCoin. Depending on the size and importance of the generated point of acceptance, the partner will receive an appropriate number of PlatinCoins for free as reward. Regardless of size and importance of the point of acceptance however, the partner will receive at least [10] PlatinCoin for a successful referral.

The more than 200,000 partners represent a strong marketing power. As soon as this power is unlashed, the number of merchants and service providers, who will accept the PlatinCoin, will substantially develop. Merchants and service providers are interested in getting access to the large community of owners of the PlatinCoin in form of new generated customers.

Furthermore, the acceptance of the PlatinCoin is also very attractive for all merchants and service providers, because businesses accepting the PlatinCoin will have to pay a settlement fee of only 0.5% of the transaction value.

In addition, the Platin Genesis provides a PlatinCoin Debit Card which allows easy and fast payments. A technology has been developed to facilitate an easy and cost-efficient interface connection with the payment systems of the merchants and service providers who accept the PlatinCoin as payment method.

In total, the Platin Genesis has reserved 10 million PlatinCoins for the "Partners promote Points of Acceptance" scheme and the subsidization of the introduction of the PlatinCoin into the IT systems of the businesses which accepts the PlatinCoin.

Due to the existing partner network, the network of points of acceptance and the desirability of PlatinCoins, Platin Genesis is convinced that the PlatinCoin will achieve a strong position within the world of different cryptocurrencies.

1.7 Introduction of the CryptoMessenger

The size of its community is an important indicator for the success of a cryptocoin. In order to increase the size of the PlatinCoin community very quickly, Platin Genesis has developed the CryptoMessenger. It is a unique device which combines the classic functionality of a messenger like WhatsApp with an e-wallet function. The integrated digital wallet provides the receiving and transferring of several popular crypto currencies such as Bitcoin, Ethereum, Ripple and Dash, and, of course, the PlatinCoin.

The Crypto Messenger has the potential to reach another dimension of users. The functionalities the messenger offers are currently unique, which will provide a very fast growth

of the PlatinCoin community. It is obvious that the community size of a messenger is much larger than the entire communities of all well-known coins together. The secret lies in the combination of the already widespread technology of smartphones with the future blockchain technology. The messenger's release is scheduled for end of March 2018 and will then have its world premiere.

As previously mentioned, the CryptoMessenger fulfills all functions of a state-of-the-art messenger, such as:

- ⊘ the instant exchanging of messages, photos and videos

- ⊘ conducting audio and video calls of highest quality

- ⊘ publishing articles, blogs, comments and "likes"

- ⊘ creating private groups, alert channels and

- ⊘ developing businesses on the CryptoMessenger platform

Additionally, the CryptoMessenger is also an e-wallet. The most prominent cryptocurrencies, as well as the PlatinCoin, can be received and transferred on and via the CryptoMessenger. This a unique innovation which will be completed within a few months.

A powerful multi-threaded content exchange system based on Scala, convenient mobile and desktop applications, a well-designed messenger architecture, and the results of many years of professional development, made it possible to provide millions of users around the world a solution to all of their communication needs. The deep, convenient, and seamless integration with the PlatinCoin blockchain system ensures safety and the ability to process millions of "micro-contracts" between users in a convenient and practical package.

Another important feature of the CryptoMessenger is the **CryptoMessenger Award System**. This system awards the use of the CryptoMessenger by providing PlatinCoins for free depending on the scope of use. In this way, the use of or communication through the CryptoMessenger is rewarded. As a result, the Messenger enables every user an additional income.

1.8 The PlatinCoin Debit Card

Today, it is difficult to pay for your daily coffee or morning newspaper with a cryptocurrency. Of course, a cryptocurrency owner could make an exchange of the crypto currency on one of the exchanges, wait for confirmation that it is completed, then wait for the transfer of funds to their nominated account. But, who in reality would do such a process to buy a coffee?

Purchasing goods and services with cryptocurrencies should be as easy as paying with USD, EUR, or other tender currencies. Together with our competence partners, we plan to solve this problem through the introduction of the PlatinCoin Debit Card, which will be in line with local

regulations. Therefore, the users will have the convenience of an easy payment with PlatinCoin.

An important part of the PlatinCoin project is therefore the optimization, implementation and expansion of its payment facilities. The PlatinCoin debit card is designed to be accepted internationally. In order to achieve this, we have developed a software that makes the payment with PlatinCoin and other crypto currencies possible in two phases.

Phase 1 involves paying with a cryptocurrency. By means of a process conducted in the background, the cryptocurrency is exchanged immediately into a normal currency using a special software developed by us.

Phase 2 allows paying directly with coins as a digital currency in addition to existing currencies. The developed software for the interface connection of merchants to a large digital crypto market completes the infrastructure necessary for the coins' wide acceptance.

1.9 The PlatinCoin E-Wallet

PlatinCoin provides several types of wallets for a variety of users, each with different kinds of functionality, levels of protection, and ease of use.

The internal wallet in the node is primarily designed for crypto enthusiasts and has the broadest functionality which allows them to create transactions, view them digitally, encode, and decode them. Since this wallet is directly connected to the node, it provides the fastest transaction process. However, it is not designed to store significant investments since its private key and password are subject to normal attacks on personal computers and servers, as well as to hardware failures.

The **PlatinCoin Thin Mobile Wallet** is meant for the daily use of a restricted amount of PlatinCoins. The stock of PlatinCoins, however, should be kept and managed via the PlatinCoin High Secure Wallet for security reasons.

The PlatinCoin Thin Mobile Wallet's security aspects have been substantially improved compared to existing Thin Wallets.

Mobile wallets for Android and iOS platforms are the main and most common tools for interacting with the PlatinCoin system. Reliable (non-standard) private key encryption with a 6-digit PIN and storage of encrypted data on the device (in secure storage for iOS) makes it extremely difficult to guess a PIN and gain unauthorized access to the wallet in case of loss or theft of the device.

> *The private key is stored only on the smartphone. It is used exclusively as a signature for outgoing transactions and is never transmitted over the network. All operations using the keys are only performed on the smartphone and no external servers are used when performing transactions.*

The convenient interface allows everybody to quickly and easily perform all basic operations (sending funds, receiving funds, viewing your balance, and transactions) and provides reliable and safe import and export of the wallet to and from paper.

> *However, Thin Wallets which do not contain a local copy of the blockchain are not secured against man-in-the-middle attacks (for example due to browser weaknesses), even if SSL is being used as encoded communication channel between a user and their e-wallet and private key. One of the main kinds of attacks consists of manipulating the complete transaction amount (transfer amount + transaction fee) to be artificially high, whereby the increased transaction fee is transferred. In comparison, the PlatinCoin Thin Wallet is significantly improved. The newly developed security technology ensures that the transaction fee of a given transaction is defined at the very beginning. An additional OutPut uses OP_RETURN. It therefore prevents unauthorized third parties from increasing the transaction fee in the system and transferring it to themselves.*

The PlatinCoin Thin Desktop Wallet is built on a high-performance and cross-platform Qt framework which allows to build an executable file on almost any modern platform without modification. PlatinCoin provides ready-made builds for Windows, Linux, and Mac OS platforms. The desktop wallet uses the same libraries to work with the blockchain and keys as mobile applications, and it therefore has the same properties - security of key storage, simplicity and speed of use, and the identity of the displayed data. The PlatinCoin Thin Desktop Wallet contains the same security technology as regular Thin Desktop Wallets.

The PlatinCoin High Secure Wallet primarily serves as a secure safekeeping and maintenance of the PlatinCoin amount.

> *PlatinCoin engineers achieve the highest security standard by physically separating the different functionalities of an e-wallet.*

The function of signing a transaction together with the private key represent module1; the building and publishing of a transaction contains module2. The interaction between these two modules takes place exclusively via visual connection or on paper. Therefore, module1 always remains offline and is never connected to the Internet. The transfer of a transaction in one direction and the signing in the other happen over the scanning of a QR-Code.

Block-explorer and Middleware - ancillary services that work with mobile and desktop wallets and provide a "window into the world of PlatinCoin" allowing anyone to disassemble any block, any transaction, or any address "to the last byte." These services provide transparency and openness to PlatinCoin without disclosing the identity of the owner and jeopardizing his private keys. In order to achieve the necessary parameters for processing speed and the number of requests, PlatinCoin engineers refused to use existing open source solutions and implemented their own middleware system using high-performance NoSQL databases that provide millions of operations per second, which allows the network to handle tens of millions of users simultaneously.

2. A PUBLIC CRYPTO FUND: AN IMPORTANT STEP TOWARDS THE REGULATED FINANCIAL MARKET

To enter the investment circles of regulated financial markets and gain additional scaling factors, the PlatinCoin Cryptosystem will be expanded with a new and unique financial product: A public fund with the legal form of a UCITS will be implemented in the European Union. For the first time in history, such a fund will be investing in cryptocurrencies. At a later stage of expansion, this fund will also be investing in PlatinCoin Certificates.

3. REGULATORY FACTORS AND COMPLIANCE

A major issue of criticism from banks and many countries regarding the crypto market is due to its lack of transparency, which creates a favorable environment for non-compliant transactions. For a cryptocurrency to achieve or hold a strong position on the market, it is therefore one of the most important goals to be 100% compliant with the Anti Money Laundering and Terrorism Combating laws and regulations.

Therefore, it is necessary to identify everybody who buys coins, to verify their place of residence and to clarify the origin of the funds invested. Furthermore, it must be clear whether the investor is a politically exposed person and on no existing criminal watch list. Transactions should be able to be tracked and reconstructed.

In line with these objectives, Platin Genesis voluntarily imposed an obligation to verify the users of PlatinCoin and the applications belonging to the PlatinCoin Cryptosystem as required for banks. Platin Genesis believes that in the future, strict compliance guidelines in the crypto sector will be necessary and will be the bridge to the regulated financial world.

Hence, a compliance department was established in-house, which will carry out the KYC procedure for all users. The details of the applied procedures are described in the **PlatinCoin AML Policy**, which is published on www.platincoin.com.

4. THE VISION & MISSION OF THE PLATINCOIN

Bitcoin is without a doubt the mother of all cryptocoins and the real driving force of the entire crypto market. Therefore, it is not the goal of the PlatinCoin to copy and compete with Bitcoin. Instead, it aims to create a new market, in which the criteria of everyday and mass suitability play the key role. PlatinCoin is meant to be easy and user-friendly.

To achieve that, our vision is to begin where Bitcoin and all other coins have their gaps. Those gaps are meant to be filled through the PlatinCoin and the PlatinCoin Cryptosystem, and through the development and introduction of new technologies. It is our philosophy to do it similar to the way Red Bull did it: instead of competing with Coca-Cola as the number one on the beverage market, it created its own market of energy drinks and, in that certain market, also established itself as the number one.

It is furthermore our vision to establish ourselves as one of the leaders in the crypto currency payment market, and precisely in the segment of "mass payment means." PlatinCoin is meant to be used as payment means for daily use. While a few market participants offer the possibility to pay with Bitcoin, it is mostly used as a marketing tool as opposed to actually being utilized. Over 90% of all Bitcoin transactions take place as part of speculation in the market.

In contrast, PlatinCoin intends to become a central transmission point for FIAT money. Fast transaction periods and low variability risks will be applicable. Additionally, comprehensive payment facilities such as debit cards, ATM's, etc. are being implemented to become a suitable payment method on high scale for clients and merchandisers.

The PlatinCoin moreover aims to contribute to the improvement of people's standard of living worldwide. This shall especially apply to people in developing countries who do not even have a bank account. As an instrument to increase prosperity, we have developed the PlatinCoin Minting Program. This Program allows nearly everyone to easily produce PlatinCoins themselves.

5. PATENT AND TRADEMARK RIGHTS

Different new technologies and applications were developed for the PlatinCoin Cryptosystem. These technologies and applications have been secured by the following patent registrations:

- ⊘ The PlatinCoin Secure Wallet, which additionally bears the German technical certificate called TÜV-Siegel issued from the TÜV Süd regulations.

6. OVERVIEW COMPANY STRUCTURE

The essential companies carrying the PlatinCoin Cryptosystem are the PLC Group AG and Platin Genesis.

6.1 PLC Group AG

The PLC Group AG, Zug, Switzerland, is a technological company. It has developed all the technologies on which the PlatinCoin Cryptosystem is based, and which are used by the PlatinCoin Cryptosystem. All existing patent registrations belong to the PLC Group AG. The PLC Group AG is the bearer of the entire KnowHow. The PLC Group AG is responsible for the maintenance and development of all existing systems, as well as for developments in regard to newly planned applications for the PlatinCoin.

6.2 Platin Genesis

Platin Genesis, Dubai, is a consultancy company for marketing, sales, installation and maintenance of administrative and marketing structures, as well as assistance of clients and partners.

7. TECHNOLOGY

7.1 Platincoin Platform

Through its innovative technological solutions, the PlatinCoin platform offers nearly endless possibilities for a wide range of services. It is based on Litecoin, one of the most advanced and time-tested blockchain technologies in the world. PlatinCoin inherited the stability and network speed (transaction processing), security from attacks, flexibility and the willingness to adapt to new technologies (segregated witness, lightning network), as well as absolute transparency and a high-quality source code from Litecoin.

PlatinCoin engineers went even further. They developed the already high quality of Litecoin and made the need to use huge resources for mining, which is used in the classic Proof-of-Work method, unnecessary. Even the weaknesses of the Proof-of-Stake method were successfully minimized. Through their experience with other cryptocurrencies, they created their own unique mechanism for processing transactions and calculating fees: the PlatinCoin minting, which does not require huge computing resources or an unimaginable commitment to capital requirements, and moreover guarantees a fair and even distribution of remuneration/rewards.

The seemingly elegant and simple solution was nevertheless thoroughly tested in the PlatinCoin laboratories. Networks from thousands of nodes were modeled and tested and were confirmed to be immune to all known types of attacks on the blockchain system. Their network capacity and resistance to peak loads was also investigated and evaluated. The PlatinCoin engineers additionally did research on network partitions (splits), hacking attempts, falsification of the chain, key selection, and other problems that distributed systems face in open and publicly accessible conditions.

Main network parameters:

- ⊘ Pre-mining: 600 million PlatinCoins

- ⊘ Consensus: PoW with adjustable complexity (correction every ~ 2 days)

- ⊘ Block: size 4 MB, frequency - one block every 1.5 minutes

- ⊘ Hash function: CryptoNight

7.2 PlatinCoin Security

The security of any distributed system is an extremely difficult and complex task, and PlatinCoin approached this issue with great responsibility. Below are the main steps taken by the team to provide an unprecedented level of security in today's crypto world:

A reliable and tested blockchain. After a systematic and comprehensive analysis of the current situation in the cryptoworld, the latest proven and stable version of Litecoin, the honored "old-timer," was chosen as the basis for PlatinCcoin. It is a more flexible, fast, secure and constantly evolving successor to Bitcoin which successfully combines innovations (segregated witness, lighting network, atomic transactions, etc.) with network stability and resistance to attacks (protection from Time Wrap, 51% attack, no hard forks).

Hash function. The CryptoNight algorithm was selected as the PlatinCoin hash function. On the one hand, this makes it impossible to use existing third-party software for mining and attacks; on the other hand, it provides reliable protection of blocks and makes it impossible to use specialized equipment for mining.

The **PlatinCoin Thin Mobile Wallet**, **PlatinCoin Thin Desktop Wallet** and the **PlatinCoin Secure Wallet** as well as the **PlatinCoin Secure Box** are further developments which have improved security related to the safekeeping, administration and use of the PlatinCoin.