Logis Coin and Logis Coin Platform

Logistics blockchain platform with unique capabilities.
Privacy. Security. Transparency.

Whitepaper v1.2.0

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https://logiscoin.cc

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Introduction

Blockchain technology, which creates a permanent and transparent record of transactions, is now being utilized to solve complex logistics problems that currently exist in the supply chain process of moving goods from the point of origin to consumers. This whitepaper will share the vision of Logis Coin (LGS), the Logis Coin Platform and how we plan to contribute to utilizing blockchain technologies to solve existing logistics challenges.

This blockchain and cryptocurrency project is being developed by our global team of blockchain and supply chain experts. As we make progress with our Light Pay Coin (LGS) and Logis Coin Platform pilot and other related activities, this whitepaper will be updated to reflect the latest status. Several aspects of the Logis Coin project mirror our LGS project and we recommend that you take the time to also read the LGS whitepaper (see appendix for details). Both projects are next-generation, hybrid cryptocurrencies based on proof-of-stake (POS) mining and masternodes and leverages the innovations of previous generations of cryptocurrencies.

Blockchain is a secure digital transaction book, managed by a network of computers which provides a permanent record of information about the transactions of all users. Each transaction or "block" is written sequentially in the register. The consolidated report on transactions includes a progressive series of "blocks" that constitute the "chain". Each "block" or "mark" of transactions is checked by a cryptographically authorized set of participants, which makes it impossible to damage or change information. As we consider blockchain in terms of supply chain logistics, think of each major activity in the process as link in an actual chain. As the goods are moving along the supply chain a new link, containing specific information, is added to the database. For example, when goods are leaving the warehouse at the point of origin, the shipper will add a digital 'link' containing relevant data. The truck driver, when taking the goods for transport will add another 'link'. Upon delivery to the warehouse, another 'link' will be added. This process of adding links of information continues until the goods reach the final destination.

How are the links added with the key shipping information? Who is privy to this information and how will they access it? How exactly is blockchain technology used in supply

chain logistics? These scenarios and more are managed seamlessly by the blockchain and logistics application of the new generation - the Logis Coin Platform.

With blockchain technology customers and users of the Logis Coin Platform will be able to better protect their interests, the quality of goods, and remove wasted costs from their supply chain.   With faster iterations of technologies, customer expectations have vastly increased to the point where consumers, corporate entities, and government are not just demanding but are also expecting timely access to accurate and useful logistics data related to their products journey through the supply chain. As goods make their way through several touchpoint such as retailers, distributors, transporters, storage areas, and suppliers; it is critical that key data is securely and accurately captured. The Logis Coin Platform will create an auditable record of each and every product, from the point of origin through to the final consumer, and establish provenance. This provenance allows traceability back to the origin of the product as well as proving that it is authentic and truly what it claims to be.

The Logis Coin Platform will streamline administrative processes and reduce costs by enabling an effective audit of supply chain data. Audit related processes involving manual checks for compliance or credit purposes that may currently take weeks will be accelerated through a distributed ledger of all relevant information. Since the transaction history will be blocked and available in each block, auditors will have the ability to easily trace the history of transactions and prove compliance. The Logis Coin Platform increases trust and helps to eliminate the lack of partner confidence found in modern opaque supply chains by ensuring data related to the entire route of the goods along the chain is captured and retained in a safe and secure network.

Proof-of-Stake

At the heart of the proof-of-stake algorithm is the storage of all the operations in the LGS wallet with the distributed database. Synchronization of the wallet nodes of LGS running on proof-of-stake is carried out through the peer-to-peer network, P2P. Thanks to proof-of-stake, it is possible to implement cryptocurrency with high security conditions to avoid hacker attacks and fraudulent actions. Moreover, it is more efficient and environmentally friendlier than proof-of-work, which utilizes lots of energy with application specific integrated circuit (ASIC) machines.

The system using the proof-of-stake method is based on the principles of decentralized management in the absence of a single controlling authority, which does not allow a malicious actor to know exactly which version of the block is valid. In simple terms, the definition of the principle of the proof-of-stake algorithm can be given as follows: The more LGS possessed in a wallet, the more credibility that wallet node will be given in the permission-less network. Thus, the wallet will likely receive a block reward because of the relative weight that wallet contributes to the protection of the network. The amount of time a wallet participates in protecting the network is also a factor. From a security standpoint, proof-of-stake is not only mining, but the wallet also stakes the LGS amount to ensure against the validity of the transactions placed in blocks. By having a wallet with a large amount of LGS and staking that amount, this decreases the probability that the owner of the wallet is acting in a malicious manner to harm the network. Thus, wallets with high LGS amounts are given a greater preference in confirming transactions than wallets with smaller LGS amounts. An LGS wallet node serves in the first layer of the hybrid cryptocurrency network by confirming transactions on the blockchain, selecting a network masternode for instant transactions, and creating the next block for storing future transactions. A discussion of the second layer LGS network is described next.

Masternodes

Logis Coin is distributed within a two-tier, hybrid network for securing the blockchain by (a) confirming transactions, (b) ensuring the privacy of transactions, and (c) facilitating instant transactions with users of the Logis Coin Platform. Moreover, we have developed a financial model that would generate income for LGS owners while utilizing LGS itself for the security of the blockchain. As in other masternode networks, users of the platform and owners of LGS are compensated by the network through a dynamic allocation of rewards based upon LGS owner contributions to the network as confirmation nodes and masternodes. This incentive structure encourages platform users and independent LGS owners to utilize the digital currency for securing the payment network. Not limited to securing the network, the core goal of LGS is to serve as the cryptocurrency that is used by all partners within the Logis Platform for transfer of funds and payments.

Reward Diagram

Listed below is the block reward distribution table for LGS masternode owners and non-masternode owners, whom have their wallets open for staking. With each block a different node is randomly selected and rewarded. The 'minted' block rewards are distributed on a sliding percentage scale between masternode owners and staked owners to create a fair distribution of coins. *Be sure to read the LGS whitepaper for more details on masternode and staking.*

Phase	Block Range	Reward Per Block	% Masternode Reward	% Staking Reward	MN Reward (Coins)
1	10001 - 20000	1.5	80	20	1.2
2	20001 - 30000	2	80.5	19.5	1.61
3	30001 - 40000	2.5	81	19	2.025
4	40001 - 50000	3	81.5	18.5	2.445
5	50001 - 60000	3.5	82	18	2.87
6	60001 - 70000	4	82.5	17.5	3.3
7	70001 - 80000	4.5	83	17	3.735
8	80001 - 90000	5	83.5	16.5	4.175
9	90001 - 100000	5.5	84	16	4.62
10	100001 - 110000	6	84.5	15.5	5.07
11	110001 - 120000	6.5	85	15	5.525
12	120001 - 130000	7	85.5	14.5	5.985
13	130001 - 140000	7.5	86	14	6.45
14	140001 - 150000	8	86.5	13.5	6.92
15	150001 - 160000	8.5	87	13	7.395
16	160001 - 170000	9	87.5	12.5	7.875
17	170001 - 180000	8.9	88	12	7.832
18	180001 - 190000	8.8	88.5	11.5	7.788
19	190001 - 200000	8.7	89	11	7.743
20	200001 - 210000	8.6	89.5	10.5	7.697
21	210001 - 220000	8.5	90	10	7.65
22	220001 - 230000	8.4	90	10	7.56
23	230001 - 240000	8.3	90	10	7.47
24	240001 - 250000	8.2	90	10	7.38
25	250001 - 260000	8.1	90	10	7.29

Continued

26	260001 - 270000	8	90	10	7.2
27	270001 - 280000	7.9	90	10	7.11
28	280001 - 290000	7.8	90	10	7.02
29	290001 - 300000	7.7	90	10	6.93
30	300001 - 310000	7.6	90	10	6.84
31	310001 - 320000	7.5	90	10	6.75
32	320001 - 330000	7.4	90	10	6.66
33	330001 - 340000	7.3	90	10	6.57
34	340001 - 350000	7.2	90	10	6.48
35	350001 - 360000	7.1	90	10	6.39
36	360001 - 370000	7.0	90	10	6.3
37	370001 - 380000	6.9	90	10	6.21
38	380001 - 390000	6.8	90	10	6.12
39	390001 - 400000	6.7	90	10	6.03
40	400001 - 410000	6.6	90	10	5.94
41	410001 - 420000	6.5	90	10	5.85
42	420001 - 430000	6.4	90	10	5.76
43	430001 - 440000	6.3	90	10	5.67
44	440001 - 450000	6.2	90	10	5.58
45	450001 - 460000	6.1	90	10	5.49
46	460001 - 470000	6.0	90	10	5.4
47	470001 - 480000	5.9	90	10	5.31
48	480001 - 490000	5.8	90	10	5.22
49	490001 - 500000	5.7	90	10	5.13
50	500001 - 510000	5.6	90	10	5.04
51	510001 - 520000	5.5	90	10	4.95
52	520001 - 21000000	5	90	10	4.5

Specification

Coin Name:	Logis Coin
Ticker:	LGS
Algorithm (POW/POS):	X11/POS
Type/Consensus	Proof of Stake /zPOS
Block Reward:	1 - 9 LGS
Masternode Collateral:	1000 LGS
Masternode Reward:	80% - 90%
Staking (Proof of Stake) Reward:	10% - 20%
Block Time:	60 seconds
Total Supply	21,000,000 LGS
Premine:	197,000 LGS (~0.97%)

Roadmap

The following is the Roadmap for 2018 and 2019

* Updated as of Sept '18. *Italicized and shaded* cells represent completed milestones.

Stage 1
■ *Project inception and team formation*
■ *Recruiting core team members*
■ *Initial whitepaper release*
■ *Official website launch*
■ *LGS test network launch*

Stage 2
■ *Block explorer launch*
■ *Presale*
■ *Coin sale*
■ *Masternodes.online listing*
■ *Wallet release for Windows, Linux, and iOS*

Stage 3
■ *CryptoBridge listing*
■ *Coinexchange.io listing*
■ *Cryptopia Exchange listing*
■ Website improvement - Oct'18

Stage 4 (Dec '18)
■ Develop marketing campaign
■ Customer development
■ Road show
■ Bounty launch
■ Private presentation to high network individuals
■ Logis platform code optimized

Stage 5 (Mar '19)
■ Masternode services listing partnership
■ R&D partnership announcements
■ Companies confirmed intention to integrate
■ Logis platform launch
■ Integrate platform with confirmed logistics companies
■ LGS application launch

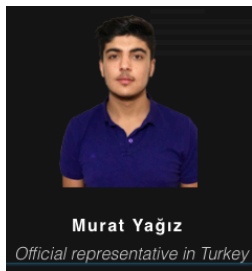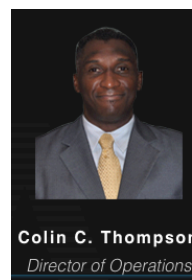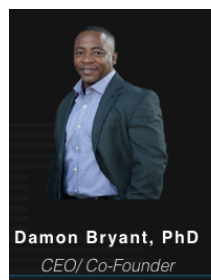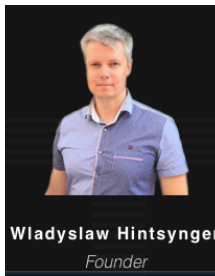| Stage 6 (TBD) |
|---|
| ■ LGS rewards for active discord members |
| ■ Shared masternode/ POS services partnership |
| ■ Reward program for investors |
| ■ Kucoin and Binance listings |

Conclusion

The Logis Platform will be an international multimodal logistics application based on blockchain technology. It will be capable of a noticeable simplification of document circulation and ensuring transparency of transactions and leveling any attempts at illegal actions. The key goals of the project is creating the most convenient, understandable and uncomplicated system that helps the interaction of carriers with cargo owners. The experts and advisers of the project have provided a solution based on logistics and blockchain technology for the problems related to lack of trust, high prices, understated insurance and compensation, weak turnovers, information barriers, insolvency of cargo owners, court costs, tax problems, currency risks and hidden damage to goods.

The Logis Platform will provide control over all cargo transportation records according to requests - up to the successful closing of transactions. Registration of actions will take place in the Logis Platform and there will be an automatic execution of the mutual settlement approved before shipment, according to the data in Blockchain. The project provides for the development of the logistics industry to a higher level and ensuring proper security and confidentiality. It is expected that its implementation will be beneficial both to shippers, and to customers and forwarding companies.

Second only to the financial industry, logistics might be the area that benefits the most by the inclusion of blockchain technologies. Blockchain and the Logis platform provides greater compliance and awareness of tariffs, carrier transactions, insurance status, missing/damaged goods, and insolvency of cargo owners. In addition the use of the Logis Platform will result in decreased waste, eliminate excessive workflow, and allow for faster fund transfers once contract terms are met.

Logis Coin Project Team and Contact Information

Wladyslaw Hintsynger
Founder

Damon Bryant, PhD
CEO/ Co-Founder

Colin C. Thompson
Director of Operations

Jay Taylor
Business Development Director

Murat Yağız
Official representative in Turkey

Braimir Metlicar
Veleucilist

Pradeep Paramanathan
Official representative in India
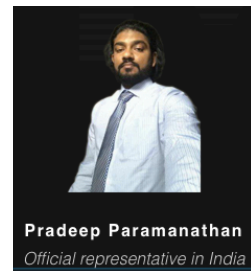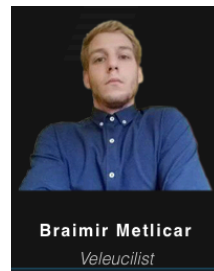
Email: LogisCoin@xchainz.io
Phone Number (USA): 01-469-325-7058

Office Address
3001 North Dallas Parkway, Suite 520
Frisco, Texas 75034

Social Media
Facebook: Https://facebook.com/Logiscoin/
Twitter: Https://twitter.com/logiscoin
Discord Chat: Https://discord.gg/WqgVSFk

Appendix A: Light Pay Coin Abstract

For the full LGS whitepaper: https://lightpaycoin.org/wp-content/uploads/pdf.php

First and foremost, thank you for taking the time to read the documentation on Light Pay Coin (LPC). Our international team has given lots of effort in building this open-source, cryptocurrency project. We are pleased to provide this overview. Because of the ever-changing landscape of the cryptocurrency industry, this paper is a living document that will be updated from time to time as needed. However, in doing so, we will attempt to maintain the original objectives of this project. LPC is a next-generation, hybrid cryptocurrency based on proof-of-stake (POS) mining and masternodes. This project is a fork of the open-source project of PIVX (which is ultimately a fork of the open-source project, Bitcoin) and leverages the innovations of previous generations of cryptocurrencies.

By creating the next generation of user-friendly wallets, point of sale devices, and automatic teller machines (ATMs), the LPC network will facilitate mass adoption of this innovative financial technology. A long-term goal of this project is to position the digital currency of LPC as a medium of exchange, store of value, and a unit of account, ultimately satisfying the defining characteristics of money in this digital age. This process is a natural evolution in Internet technology in which cryptocurrencies will disrupt the financial industry (based on paper fiat currency) in a similar way as the digital transformation of the early 1990s Internet disrupted the traditional paper publishing industry.

By creating Light Pay Coin (LPC), we made a cryptocurrency that would allow for the safe and secure storage of LPC in a cryptographic, digital wallet. Moreover, we have developed a financial model that would generate income for LPC owners while utilizing LPC itself for the security of the LPC blockchain. We have also inherited, through a selected fork of PIVX, the ability to provide for near

instant payments through SwiftTX. This allows LPC owners the ability to transfer LPC within seconds across a global network of masternodes. This makes LPC ideal for worldwide cashless payments through contactless, point of sale devices. To address the issue of previous first-generation cryptocurrencies, the network provides the owner the option to ensure fungibility of LPC through the inherited functionality of PIVX's Zerocoin Protocol.

One of our main goals is to design, develop, and supply user-friendly point of sale devices, ATMs that utilize mobile phone near field communication (NFC) technology, and easy to use wallets. We will build the next generations of automatic teller machines (ATMs) for exchanging from one cryptocurrency to any other cryptocurrency and from one cryptocurrency to any government fiat currency. LPC will be the first cryptocurrency in the point of sale and ATM payment network. This will allow for mass adoption of LPC worldwide for both regular consumers and businesses to pay for goods and services. Thus, LPC will make it easier and safer than traditional payment solutions, which are susceptible to billions of dollars in fraud each year.