LivesChain & LivesToken(LVT)

Whitepaper V1.2

Use Blockchain Technology to Realize Symbiosism Economy

Catalog

A. LivesChain Introduction

1. Symbiosism Economy

LivesChain is a new blockchain project that built by Symbiosism Foundation and its technical cooperation team. The goal of LivesChain is to create a new business model based on the blockchain technology - Symbiosism Economy Model.

The Symbiosism Economy refers to the symbiosism body that formed by similar resources sharing & different resources complementing between independent economic organizations. The formation of this kind of symbiosism will lead to direct or indirect improvement of resource allocation efficiency within or outside the economic organization.

The Symbiosism Economy that created by the LivesChain is a economic symbiosis that aims to achieve mutual improvement and common growth for both users and businesses.

2. The Value of LivesChain

The establishment of the LivesChain is due to Internet user's value has long been ignored. In daily Internet using, users will go through process like account

registrating, content creating, webpage browsing, commenting & sharing, online shopping and so on, which all created value. They all increased different website's active rate, retention rate, and even paid conversion, but the user did not get any material reward from it.

LivesChain is trying to put all Internet applications together to form a Symbiosism System. LivesChain is the new economic system that built in virtual network. In this system, consumers and businesses formed a ecological circle of Symbiosism System that based on both sides' mutual interests. In the ecological circle, each entity will be used as an anchor to track its contribution value and credit. And the benefit is obtained in the form of LivesToken(LVT) on a daily basis according to dynamic algorithm.

3. The Meaning of LivesToken(LVT)

LivesToken(LVT) is the digital tokens issued by the LivesChain, which is the medium that solves the user value realization problem. LivesToken(LVT) is distributed through Internet applications to compensate the quantified value that users generated from their behaviors and consumed time on the Internet. LivesToken(LVT) is based on the blockchain technology. All data points transactions are recorded by the blockchain to achieve a fair, open and transparent economic ecology.

Over the past few years, the development of digital money, represented by Bitcoin, confirms the value of the blockchain technology and the cryptocurrency. It

means the Symbiosism Economy can be realized with the LivesToken(LVT) as the medium.

B. LivesChain Team

1. Founder

Jeff Chen

Founder and CEO of Maxthon Browser. Senior Internet product manager.

Jeff Chen was born in Zhengzhou, Henan province of China in 1975. He entered Beijing Institute of Technology in 1994 and started to work on his own browser product in 2000 when he was working in Singapore. In 2003, he researched and developed the MyIE2 browser independently, which was the prototype of Maxthon Browser. In 2006, Maxthon has been named "Asia's Most Potential Business Top 100" by the world's leading IT commentary magazine "Red Herring". In 2017, the Maxthon Browser that was cultivated and developed by Jeff Chen exceeded 1 billion downloads merely from its official website.

Hongbing Zhu

Hongbing Zhu is a successful continuous entrepreneur in Internet industry and an expert of Internet Finance. He is also the founder, director, and CEO of Keyword-tech PTE LTD in Singapore, and the overseas founder of Internet Finance company Cashnice PTE LTD. Hongbing was graduated from Harbin Institute of Technology in 1996 and from business school of University of Manchester in 2013.

He was also served as manager and managing director of renowned enterprises like Hanwang and PP Live.

Arena Li

Arena Li received a Bachelor degree of Automation in People's Liberation Army Information Engineering University and a Master degree of Finance in Renmin University of China.

From 1998, she worked in Founder Group for 13 years and was served as operations director of Founder Century, and financial director of Founder Group headquarter. She led the Deloitte project for many years and completed Founder Group's financial strategy of more than 50 companies. Due to her excellent job, she obtain the honor of the outstanding manager for many times.

2. Tech Team

Nowadays, the Internet and information technology are closely linked with people's daily life. With the continuous evolvement of technology, the world is stepping towards the era of Symbiosism Economy.

The Singapore Symbiosism Foundation is thrilling to embrace the future and actively advocate the Symbiosism Economy. It is set to vigorously invest in building a Symbiosism economic platform that based on blockchain technology.

After careful selection, the Singapore Symbiosism Foundation entrusted Beijing Aoyi Blockchain Technology Co., Ltd as technical partner to complete the development of LivesChain's core technology. Beijing Aoyi Blockchain Technology

Co., Ltd's technical team is from Maxthon Browser, which inherit Maxthon's gene of "Users first & always pursue excellence". The development team is with world-class management standards, mature experience of developing products for general users, superb professional skills and efficient teamwork. Your trust will not be failed.

3. Senior Consultant

Hong Qian

Dean of the Global Symbiosism Research Institute

Founder of the Global Symbiosism Forum

Visiting Scholar of Fudan University

Qibin Sun

Doctor, IEEE Academician

Expert on pattern recognition and artificial intelligence

Expert on Wisdom Network

Yingfei Li

Bitmain's Senior Bitcoin Miner

Blockchain Expert

C. Problems Solved by LivesChain & Goal

1.   Intractable Problem Existed in The Internet Development

a)   User Acquisition Cost Increasing

From PC to the mobile Internet era, numbers of Internet product have been rising rapidly. And now, traffic is no longer that cheap and easy to get. The good day has gone and a legendary Internet golden age has gradually declined.

In order to survive, large enterprises spend huge sums of money on advertising so that competing products had to follow-up passively, and then lead to a war. Users will be indecisive and leaning towards a certain brand/product only because of their heavy advertising; small businesses can only adopt some vulgar marketing approaches to draw users' attention due to insufficient funds, but only with little success.

User Acquisition Cost Increasing

|	2010	2012	2014	2016

Brand Ads ——— SEM/DSP
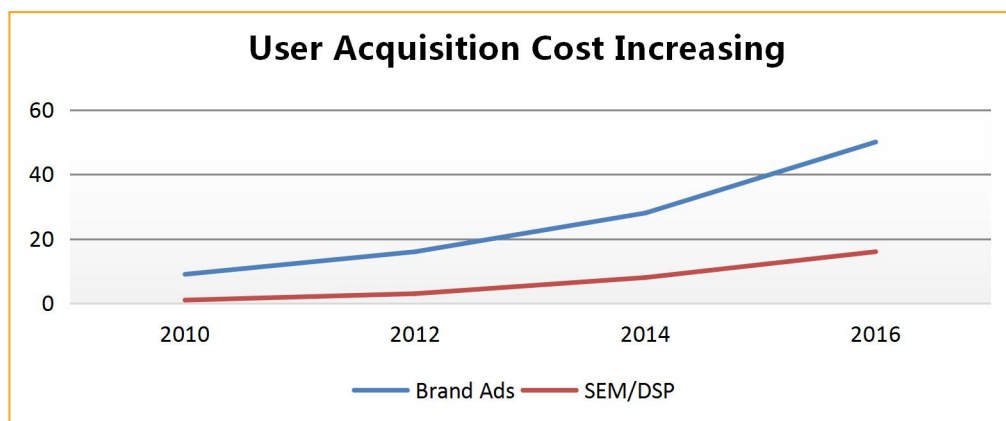
Increasingly competitive environment and serious homogenized products lead to the fact that user acquisition cost rising significantly in recent years. From a few

dollars soared to tens of dollars, or even hundreds of dollars, the Internet industry

once again standing at the crossroads of development.

b) User Loyalty Continues to Decline

Numerous Internet companies continue to rise, the products are highly

homogenized & user loyalty is declining significantly. Product users' retention rate

decreased year by year.

User Retention Reduced Y by Y

	2010	2012	2014	2016

PC   Mobile
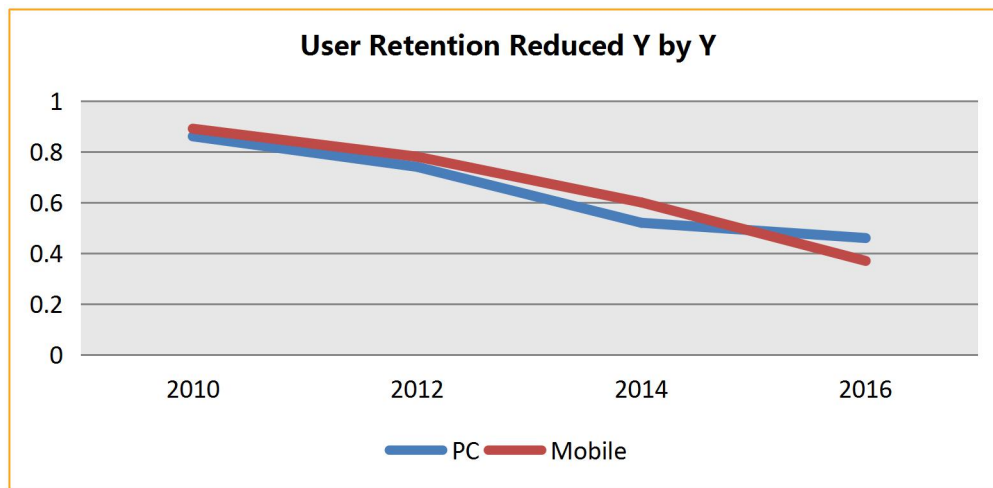
The products rely heavily on channel and ads, users will be attracted by

interesting push & ad content to use a certain product, but can also switch to

another one because of other products' push or ads; at the brand level, the

youngsters started to focused more on highly personalized products, and even the

industry leaders' brand image advantages are gradually fading.

Therefore, the feature and brand image of a certain product are losing value. In

this over-homogeneous product market, user loyalty has diminished gradually.

c)   Businesses and Users Need a Deeper Connection

At present, many businesses are trying every possible means to win the users over and the industry is full of vicious competition and low efficient marketing. It not only increased the marketing cost, but also undermined the market environment; products are all copying each other and any slight trace of functional advantages will be copied by competing products quickly. Thus, it's extremely hard to reshape users' loyalty for most businesses.
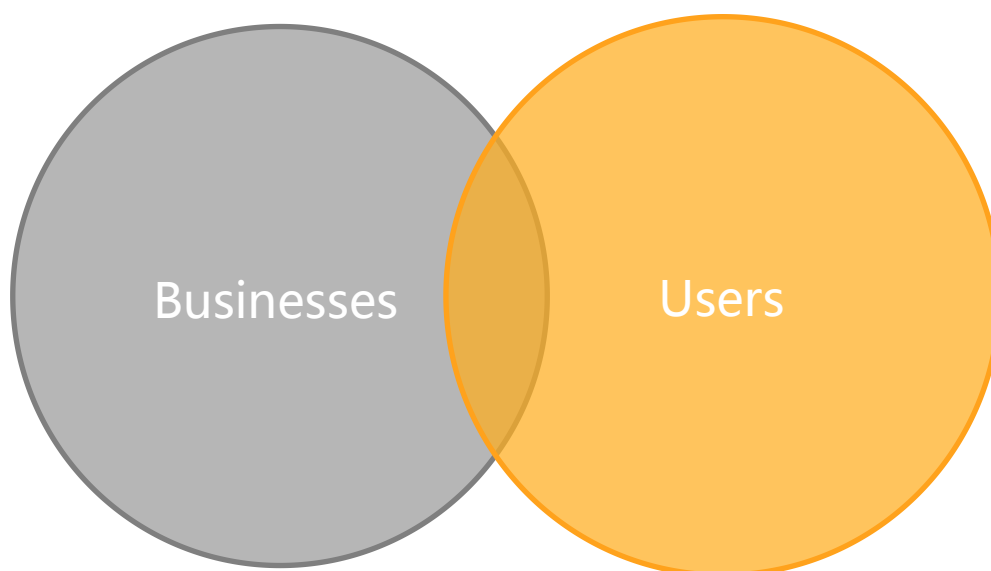
Businesses and users need a deeper connection.

The reason is that the existing business model is not suitable for diversified market development, and merits like product features or free services alone is unable to maintain the relationship between businesses and users. The sustainable development of the industry requires us to abandon the original thinking model, and to conduct a full upgrade of the existing business model in order to solve the problem of high user acquisition costs and low customer loyalty completely .

2. LivesChain's Goal : Create a Symbiosism Economy Business Model

In 1999, the early years of the Internet development, businesses were mainly selling products and charging fees directly to users. We call this period the era of charge economy;

At around 2006, the Internet industry grow rapidly, and businesses mainly rely on advertising profits while users can enjoy most of the products for free. We call this period the era of free economy;

Today, under the increasingly fierce market competition, the market needs a new model that can benefit both business and user in order to solve the problem of product homogeneity, low customer loyalty, and high cost of user acquisition to eventually achieve the purpose of sustainable development. We call this period the era of Symbiosism Economy.
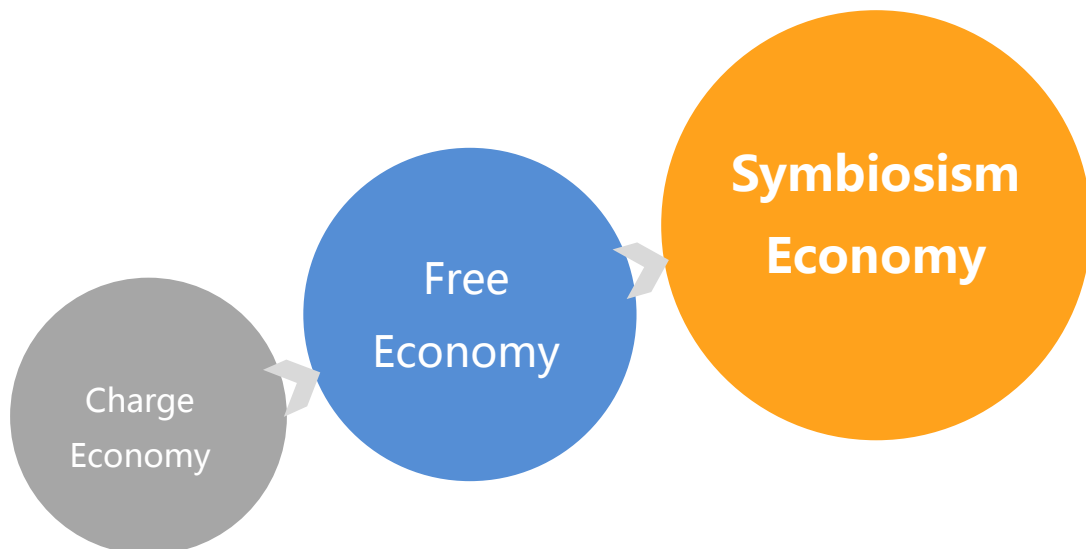
The key point of the symbiosism economy is to quantify the behavior of users in the process of using the Internet, so that users' behavior can finally generate

economic value and gaining benefits for themselves. Thus, it can enhance the user loyalty and ultimately achieve the goal of mutual benefits, common and sustainable development of both businesses and users.

D. Symbiosism System's Constitution

1. Symbiosism System Introduction

Symbiosism system is based on the blockchain technology, and the core is to generate an encrypted database for each node. The database consists of three parts: user general data (OpenID), user behavior data (users data generated on the network), and an encrypted book, which is used to record the contribution value, reputation value and transaction information of each terminal.

Blockchain is one of the most revolutionary new technologies in recent years. Its essence is a decentralized distributed accounting system, and its core value is to allow individuals or organizations to establish trust in mutual cooperation with each other in the absence of authority supervision.

In simple terms, the blockchain is a way of co-accounting through the network nodes to achieve a highly accurate and secure information distributed database, keep the data (blocks) in accordance with the chronological order of superposition (chain) to generate permanent record that can not be tampered. And thus establish a trusted network system.

2. Symbiosism System Model

Basic protocol layer	General account agreement	Data storage and communication protocol	Encryption protocol	Value Wage Agreement	Information release agreement	Trading agreement	......
	Symbiosism Platform						Symbiosism Products
Platform core	Valuation and tokens allocation	Service and rate	Payment and transfer of token	Tokens trading			Lives Wallet
	LVT, as an encrypted digital currency, is the reward for a user's integrity and actively creation on the network. It can only be generated in the Symbiosism platform and be allocated to users based on system's algorithm.	Symbiosism platform helps users to initiate transactions. When users are in the use of these services, they need to pay the platform fees or margin. The tokens will be reallocated as a remuneration to the users who continue to create value.	Symbiosism system defines a way to make it easier, more efficient, and less costly to pay and transfer the tokens within the platform, avoiding the costly and latency of each transaction in Ethereum.	Symbiosism platform helps users to quickly and easily complete the digital currency transactions, such as trade the token with ETH or BTC.			Lives Exchange
Application layer	Application mode of symbiosism system through embedded SDK		Application mode of token payment & transfer through API				
	Any business can joined Symbiosism system to use the system's algorithm and add the user's value in their own software by embed Symbiosism SDK.		Any business can use Symbiosism system's open source agreement to define the token payments and transfers in their own products.				
	Advantages: Enhance user attraction and stickiness.		Advantages: Reduce transaction costs, improve transaction efficiency.				

E. LivesChain's Realization

1. The First Symbiosism Economic Body : Maxthon Browser

As the technology provider, Maxthon Browser will be the first product to access to the LivesChain. Maxthon Browser's hundreds of millions of users worldwide will become the first batch of LivesChain's seed users, and the early holders of LivesToken(LVT).

Through earning LivesToken, Maxthon Browser's user loyalty and active time can be effectively enhanced; Maxthon Browser's user advantage can quickly

increase the number of LivesToken holders, and facilitate the establishment of a decentralized network to promote the development of the Symbiosism Economy ecology.

In the meantime, LivesChain will take out a certain proportion of LVT as an incentive to attract more users and businesses to join the Symbiosism Economy.

2. Lives Wallet

Lives Wallet is the wallet application on LivesChain. It's more efficient and the handling fee is also lower than other wallets. Users can use the Lives Wallet to query and manage the LVT he/she earned. The LivesChain will be applying a simple design to hide the complex logic of blockchain in the process of sending and receiving tokens and managing transactions. Thus, it would be easy for common users to get familiar with the wallet quickly. Eventually, it will facilitate LivesChain and LivesToken's popularity and usage.

3. User Account

Symbiosism system will be fully open up for its user accounts, and will unified the user identity in the entire platform. Then conduct accurate analysis of user behavior and count the amount of tokens in order to facilitate the implementation of various incentives and the establishment of user credit evaluation system.

4. Account Credit Rating

The Symbiosism system will introduce credit rating of users' account. On the one hand to avoid cheating, on the other hand to evaluate different accounts' contribution to the Symbiosism ecology and hence reward them with different incentives. This could also facilitate other businesses in the Symbiosism system to make more reasonable business strategies.

5. POV (Proof-of-Value) Mining Program

Different from Bitcoin's POW consensus program and Ethereum's POS consensus program, LivesChain will adopt the POV(Proof-of-Value) consensus program. Users can conduct mining using applications accessed to the Symbiosism system(such as Maxthon Browser). And the system will reward users with LivesToken(LVT) according to their different online behaviors(including but not limited to Register, Click, and Purchase).

6. Mining Difficulty

The mining mechanism of LivesToken is a comprehensive set of algorithms that based on users' online time length, behavior, credit and plenty other factors. With the increase of users, the system will gradually increase the difficulty of mining, and the LivesToken that generated through mining will be gradually reduced. And LivesToken's trading system will be activated.

7. Lives SDK

To add more businesses to Symbiosism system quickly, the system will be creating a set of SDK that packed up LivesToken consumption, POV algorithm, and incentive mechanism all together. Symbiosism system team will be providing comprehensive tech support in order to let other businesses join the system seamlessly.

8. Lives API

The LivesChain team has designed a common API interface for different LivesToken application scenarios that allowing businesses and users to embed LVT-consumption applications in their own products or pages in the easiest way. Even every user can copy the code and then embedded in their own Twitter or livestream apps and hence making the circulation of LivesToken to become more simple.

9. Other Businesses' Access

To facilitate the ecology's development, Symbosism system will be accepting all sorts of mainstream Internet applications. Maxthon Browser's large amount of current partners will be the first batch of selected businesses to join the system. 30% of the total issued LivesToken will be assigned to the users through joined businesses. This is good for LVT's expansion and will boost up the prosperity and

maturity of Symbiosism system.

F. LivesChain's Development Plan

LivesChain's Estimated Development Timetable:

◆ Jul. 2017 - Team building and project approval

◆ Aug. 2017 - Identify the LivesChain's base model & complete the whitepaper

◆ Sept. 2017 - Identify early investors and consultants

◆ Oct. 2017 - Institutions and individual investors completed investment

◆ Mar. 2018 - Maxthon Browser Symbiosism version official launch and support mining for LivesToken

◆ Jun. 2018 - Create 3 - 5 application scenarios for LivesToken and start LVT's circulation

◆ Sept. 2018 - 30+ Maxthon partners joining Symbiosism system

◆ Oct. 2018 - Continue to attract global blockchain technology elite to create more innovative LivesChain technologies and applications

◆ Dec. 2018 - 500+ businesses joining Symbiosism system

◆ Dec. 2020 - Let 500 million Internet users to become beneficiaries of Symbiosism Economy

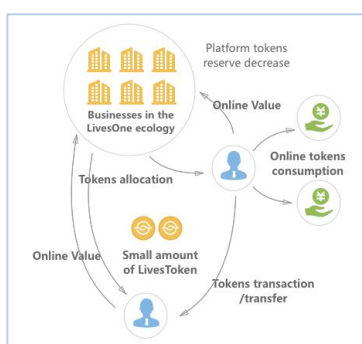## G. LivesToken's Appreciation Logic

1. LivesToken's Appreciation Logic

a) **Scarcity:** Symbiosism system will be mainly introducing mainstream Internet applications like Maxthon Browsers. It means that those businesses mostly have a million or even larger user scale. And the distribution of LivesToken will be rather quick. With the mining difficulty rose, the LVT obtained through mining will be reduced and hence encourage users to trade through secondary market.

b) **Circulation:** Million level of users plus different types of mainstream consumption scenarios(game, E-commerce, ads, E-book, livestreaming, etc.) will largely enhance the circulation of LVT.

c) **Appreciation brought by system development:** The market value of a cryptocurrency will be in a proportional relationship with the eco system that it relied on. Beijing Aoyi Blockchain Technology Co., Ltd will introduce all of its long-term partners to the Symbiosism system and the system's value will surely raise. Therefore, LivesToken's value will be boost up by its underlying system's development.
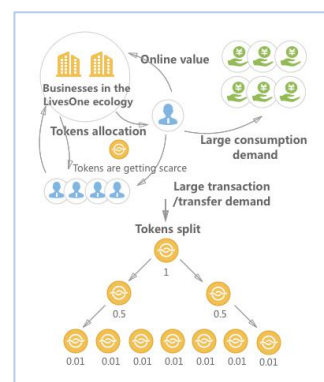
2. LivesToken's Appreciation Model
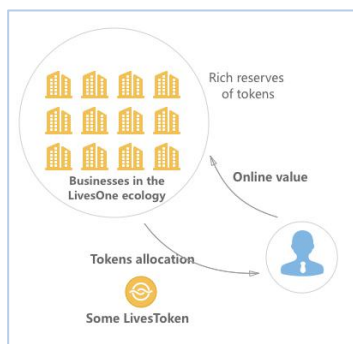
Phase One: Tokens Possession & Popularity	**Phase Two: Booming Market**	**Phase Three: Tokens split and value detonated**

In the early stage, users create value in the symbiosism economy ecology, and then being assigned with LivesToken. Tokens began to spread among users.

With the number of LVT holders and the scale of circulation growth, a large number of consumption scenarios derived from the market into the consumer leading stage. Also, with the reduction of the reserved tokens, LVT entered into the scarcity phase. And the value of it began to rise.

LVT reserve infinitely approaching to zero while the users' access to LVT become increasingly difficult. The market's demand for the token is still strong so that the token is in short supply. Then the token will split because of the scarcity and liquidity. One unit of token is divided into multiple, and LVT's value detonated.

H. LivesToken's Competitive Advantages

◆ More equitable: do not support mining machine, users will enjoy equal opportunities;

◆ More flexible: support for lightning transactions, no handling fee;

◆ Safer: operated by a well-known Internet team with high safety factor;

◆ Application realizing: grafted mature Internet model, applications can realize directly;

◆ Fast growth: tens of millions of application users, the system scale can

quickly expand;

◆ Large appreciation space: the total token quantity is fixed, no additional issuance.

I. LivesToken Total Issued Amount and Allocation

LivesChain is proactively embrace the future and adhere to the principle of open, transparent, democrate, and decentralization. LivesToken will become the hard currency of Symbiosism Economy to agglomerate values for all the users and share the bonus of new economic form with both businesses and users.

LivesToken(LVT) will be issued a total of 28 billion tokens. 20% of the total issued tokens will be held for investors, 20% will be held for the founding team, 10% will be held for marketing promotions, and the last 50% of the tokens will be held for mining. Each year's upper limit of mining tokens will be 5% of the total issued amount, and founding team's tokens will unlock 2% per year.

J. Compliance

LivesToken(LVT) will established a Public Company Limited by Guarantee nonprofit funds in Singapore after the completion of the private placement, just like the well-known encrypted digital currency Litecoin(LTC) and so on. It's called the Symbiosism Foundation. The main task of the foundation is to maintain the LivesToken ecology to be open, fair and transparent, and support the LivesToken

development team.

The Symbiosism Foundation will be approved by the Singapore Accounting and Business Administration (ACRA), which is subject to the supervision of the Singapore Companies Act. The foundation is managed by a trustee board or management committee, it will be managed and operated independently from the government.

K. Contact Us

Symbiosism Foundation Official Website & Whitepaper: http://lives.one

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Or Search in Telegram directly: LivesToken - LVT

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