共生链

白皮书
WHITEPAPER

V1.6

Use Blockchain Technology to Realize Symbiosism Economy

用 区 块 链 技 术 实 现 共 生 经 济

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1 | LivesOne简介

1.1 定义

Symbiosis(共生): Any type of a close and long-term biological interaction between two different biological organisms, be it mutualistic, commensalistic, or parasitic." wikipedia.

新加坡共生经济基金会: 为打造全球首个共生经济体，LivesOne，在新加坡成立的非赢利基金会 。以下简称"基金会"。

LivesOne: 共生经济基金会打造的全球首个项目，目标是实现共生经济生态。

LivesToken (LVT): LivesOne生态系统中使用的通证。以下简称LVT。

LivesToken on Chain(LVTC): 与LVT一样，但指保存在区块链上的形式。不同的应用可能会需要不同形式的LVT。

1.2 共生经济

LivesOne是由共生基金会及其技术合作团队打造的一个新型区块链项目，其目标是打造一个全新基于区块链技术的商业模式——共生经济模式。共生经济是指独立的经济组织之间以同类资源共享或异类资源互补为目的会形成共生体，这种共生体的形成所导致的经济组织内部或外部的直接或间接的资源配置效率的改进。LivesOne所打造的共生经济是一种让商家与用户双方获益，相互促进、共同成长，共生共荣的经济共生体。

1.3 LivesOne的价值

LivesOne的建立，源于用户的网络价值被忽视，用户在使用互联网过程中，账户注册，创造内容、浏览网页、评价分享、网上购物等行为都在创造价值，它增加了网站的活跃、留存、甚至付费转换，但是用户没有任何获得。

LivesOne是希望将建立起一种新的关系，在这个体系里，消费者和商家基于利益，组成一个共生系统生态圈。在生态圈中，每一个实体都会被作为一个锚点，追踪记录其贡献价值和信用，每天根据动态算法，以共生币(LVT)的形式获得利益分配。

1.4 LivesToken (LVT) 的意义

LVT是LivesOne发行的数字代币，是解决用户价值变现的介质。LVT通过互联网应用进行分发，用户在使用互联网过程中的行为与时间产生量化价值。LVT基于区块链技术，所有的数据点交易都会被区块链记录下来，以实现经济生态的公正、公开与透明。

过去数年，以比特币为代表的数字货币的发展，即用过去的事实，印证着区块链技术和加密数字货币的价值，让以LVT为介质的共生经济得以实现。

2 LivesOne团队

2.1. 创始团队与投资人

陈明杰(Jeff Chen)

傲游浏览器创始人，傲游CEO，资深互联网产品设计师，投资人。

1975年生于河南郑州，1994年考入北京理工大学，2000年在新加坡工作期间自主研发浏览器；2003年发布傲游浏览器前身——MyIE2浏览器。2006年，陈明杰团队入选《Red Herring》"亚洲最具潜力企业Top100"。至2017年，陈明杰倾心打造的傲游浏览器仅官网下载量就超过十亿次。

朱红兵

成功的互联网持续创业者，互联网金融专家。新加坡Keyword-tech PTELTD公司创始人、董事、CEO，互联网金融公司Cashnice PTELTD海外创始人。

1996年毕业于哈尔滨工业大学；2013年毕业于英国最古老最著名的商业院英国曼彻斯特大学商学院；朱红兵还曾在知名企业汉王、PPlive担任过经理、董事总经理职务。

李赫媛

中国人民解放军信息工程大学自动化专业学士，中国人民大学财务金融硕士。

自1998年起，在方正集团工作13年;曾任方正世纪运营总监、方正集团总部财务总监；曾多年全面负责德勤项目，主导并完成了集团50多家公司的财务战略；多次获得集团优秀管理者的荣誉。

2.1. 技术团队

现在，世界已经无法离开互联网和信息技术。

今天，崇尚创新的互联网经济已经开始步入共生经济时代。新加坡共生基金会面向未来，积极倡导共生经济，大力投入建设基于区块链技术的共生经济平台。 从一开始，本项目就吸引了全球各地的专家参与。建立了一个由区块链技术专家，UX/UI专家，市场营销专家组成的团队。整个团队都因为LivesOne感到激动，并且一天天的努力工作来推进整个项目。

2.3.资深顾问

钱宏

全球共生研究院院长

全球共生论坛创始人

复旦大学访问学者

孙启彬

博士 IEEE 院士

模式识别和人工智能

智慧网络

李盈斐

比特大陆

比特币矿工

区块链专家

3 | LivesOne解决的问题与目标

3.1. 互联网发展过程中的难解问题

a. 获得用户成本日益增高

从PC到移动互联网，一批搭乘红利期快车的互联网产品，曾急速崛起。而如今，流量红利消失，一个传奇般的互联网黄金时代惶惶然结束。为求生存，大企业斥巨资用于广告投放，竞品被动跟进，进而引发烧钱大战，用户也只会视广告力度而摇摆不定;小商家资金不足，只能用各种低俗营销手段吸引眼球，但也只能换来用户的一时兴起成效甚微。

User Acquisition Cost Increasing

60			
40			
20			
0			
2010	2012	2014	2016

—— Brand Ads　　—— SEM /DSP
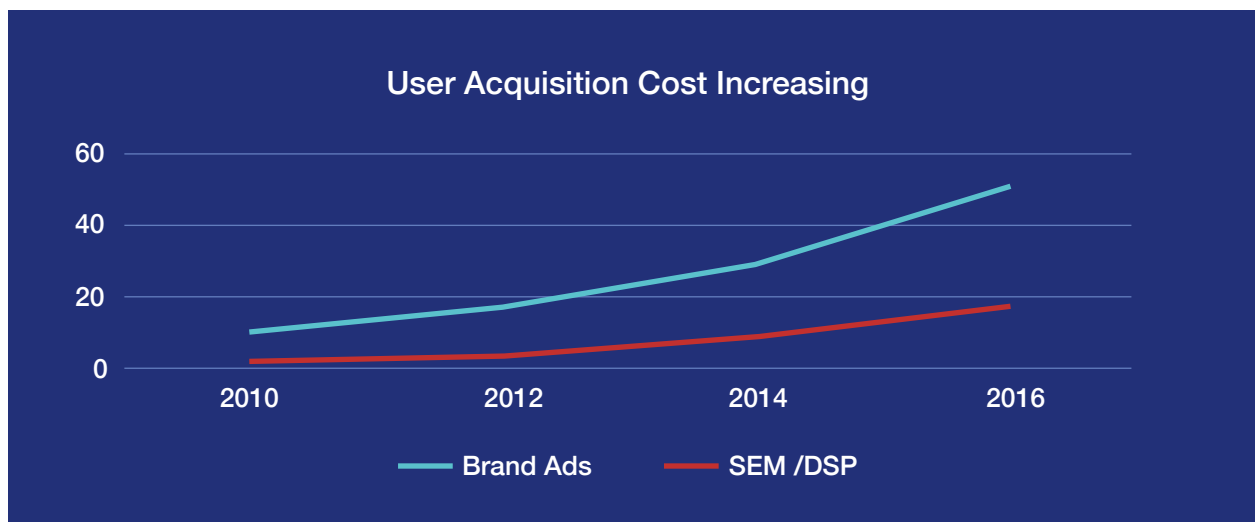
日益激烈的竞争环境，严重同质化的产品，近几年来获得用户成本呈指数攀升。从几元飙升到几十元，甚至上百元，互联网行业又一次站在发展的十字路口。

b. 用户忠诚度持续下降

互联网公司不断崛起，产品层出不穷且同质化严重，用户忠诚度正在消失，产品用户留存率逐年降低。

User Retention Reduced Y by Y

	2010	2012	2014	2016

图表纵轴刻度：0.9, 0.68, 0.45, 0.23, 0

— PC   — Mobile
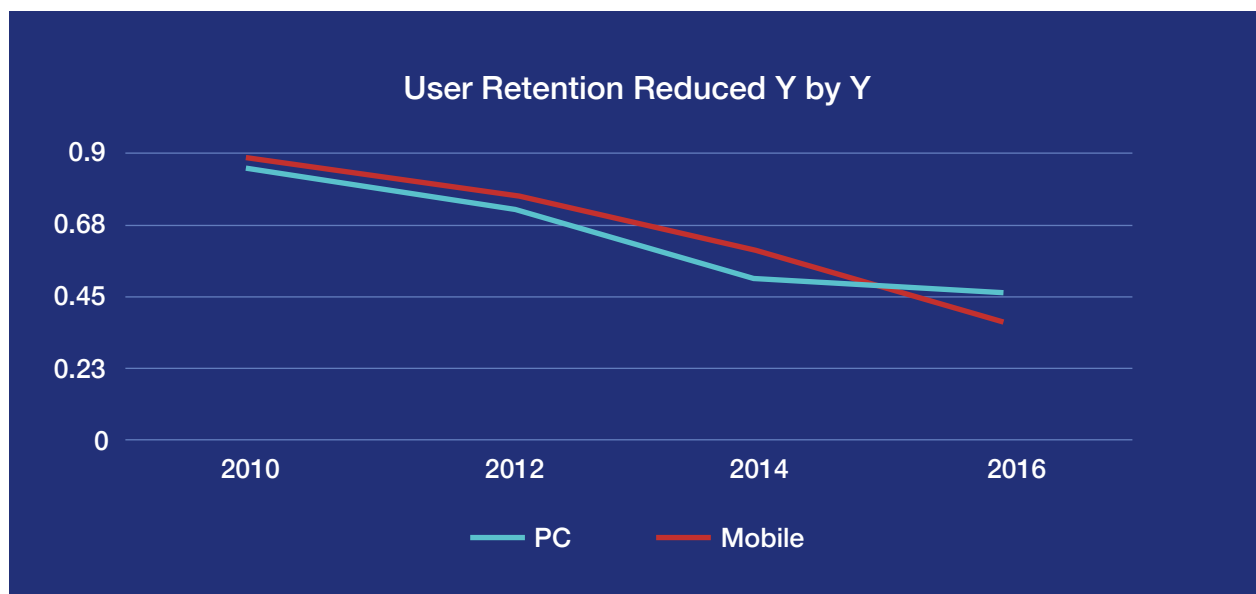
在产品层面，过度依赖于渠道推送、广告投放，用户会因一时的推送或广告选择产品，同时也会因之后的推送或广告更换产品；在品牌层面，年轻的互联网用户群体，越来越多的用户开始追求个性化，即使是行业巨头在品牌上的优势也在逐渐消退。

所以，产品的功能和品牌的效应，正在失去它们应有的价值，在过度同质化的产品市场，用户忠诚度已消失殆尽。

c. 商家和用户急需建立更深层次的连接

目前，许多商家为争得用户用尽办法，整个行业充斥着各种恶性竞争和低效的营销，不仅拉高了成本，而且破坏了市场环境;各家在产品上相互抄袭，稍有一丝的功能优势也会被竞品迅速追平，完全无法重塑用户的忠诚度。

Businesses

商家和用户之间急需建立一种更深层次的连接!

Users
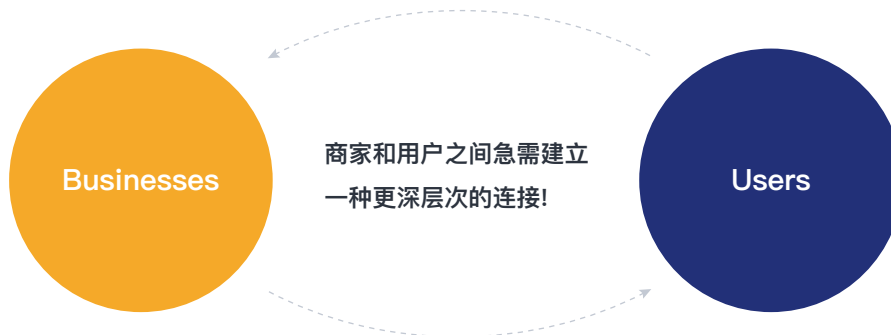
究其原因，是现有的商业模式已不适合多元化的市场发展，单纯的产品功能、免费服务已无法维持商家与用户之间的关系。行业的持续发展要求我们脱离原有的思维模式，对现有商业模式进行全面升级，彻底解决获取用户成本过高，用户忠诚度低的问题。

3.2. LivesOne的目标:打造共生经济商业模式

Charge		Free		Symbiosism
Eeconomy	>	Eeconomy	>	Eeconomy

1999年互联网发展初期，商家以售卖产品为主，向用户收取费用，视为收费经济时代；

2006年互联网高速成长，企业依靠广告盈利，用户免费使用产品，视为免费经济时代；

今天，面对日益激烈的市场竞争，为解决产品同质化，用户忠诚度低，用户成本高等一系列问题，市场需要一个商家与用户都有收益的模式，才能达到可持续发展的目的，称之为共生经济时代。

共生经济的关键点在于将用户在使用互联网过程中的行为量化，让用户的行为产生经济价值，让用户获得收益，进而达到增加用户忠诚度的目的，最终实现企业与用户共同获益、共同成长，共生共荣可持续发展的生态关系。

4 共生系统的构成

a. 共生系统介绍

共生系统是基于区块链技术打造的生态体系，核心是为每一个节点生成一个加密数据库，该数据库由三部分组成:用户通用数据(OpenID)、用户行为数据(用户在网络上产生的数据)和一个加密账本，这个加密账本用以记录每一个终端的贡献值、信誉值和交易信息。

区块链是近年来最具革命性的新兴技术之一。它的本质是一种去中心化的分布式记账系统，其核心价值是让个人或组织在没有权威机构监督的情况下，对彼此的互相协作建立信任。简单来说，区块链是一种通过网络节点共同记账的方式，实现信息高度准确、安全的分布式数据库，把数据(区块)按照时间顺序进行叠加(链)生成永久、不可篡改的记录，从而建立信任的网络体系。

b. 共生系统的模型

基础协议层	通用账号协议	数据存储与通信协议	加密协议	价值工资协议	信息发布协议	交易协议	……
平台核心	共生平台						共生产品
	价值评估与代币分配	服务与费率		代币的支付与转账	代币的交易		共生币钱包共生币交易所
	共生币作为一种加密数字货币，是用户诚信上网，积极活跃所创造网络价值的奖励，只在Lives上产生，并按平台算法，分配给用户。	共生系统帮助用户简单发起交易，用户在使用这些服务时，需要向平台支付费用或者保证金。平台通过服务回收的代币，将作为薪酬重新分配给继续创造价值的用户。		共生系统定义了一种方式，让代币在平台内的支付和转账更加容易，效率更高，成本更低，避免了以太坊每一笔交易昂贵的费用和等待时间。	共生系统帮助用户便捷迅速的完成数字货币交易，比如将代币转化成ETH，BTC或直接变现。		
应用层	嵌入SDK的共生圈应用模式			通过API的代币支付转账应用模式			
	任何商家都可以通过嵌入SDK的方式，加盟共生系统，使用共生系统的算法，将用户在自己软件商的价值累加，如:通用价值评估。			任何商家都可以使用共生系统的开源协议在自己的产品中定义代币的支付和转账。			
	优势:增强用户吸引力和粘性。			优势:降低交易成本，加快交易效率。			

5 LivesOne的实现步骤

a. 第一个共生经济体:挖矿浏览器

共生社区已经打造了一个Maxthon Browser的插件，并且打包生成了一个"挖矿浏览器"。挖矿浏览器将成为LivesOne里边的第一款应用。Maxthon Browser's 全球的过亿用户都可以从LivesOne 系统中受益, 并且成为LVT的早期持有者。通过赚取LVT，挖矿浏览器的用户忠诚度和活跃度将得到有效的加强。Maxthon Browser的用户将使得LVT持有者快速增加，从而有利于快速建立一个分布式的网络，加速共生经济体系的建立。同时，基金会将分配一定量的LVT作为激励措施，以获得更多用户和商家加入共生经济体系。

b. 共生钱包

共生钱包，是LivesOne上的钱包应用，绑定用户账号后，能够实现系统内交易效率更高，费用更低的特点；在收发代币，管理交易和转账过程中，采用更简单的设计隐藏区块链复杂逻辑，打造普通用户都可以快速上手的数字货币应用产品，增速共生币的使用与普及。

c. 用户账号

共生系统将对用户账号进行全面打通，在全平台内统一身份标识。在整个系统中，对用户行为准确分析，对代币的数量进行准确统计，以便于实施各种激励措施和建立用户信用评价体系。

d. 用户等级

基于不同的要求，LivesOne系统中的账号将拥有不同的等级。入门等级将拥有较少的权限，比如资产转移等，较高等级的账号将拥有更多功能和较少限制。

e. 账号安全评分

基于大数据分析，LivesOne系统将给予所有账号一个安全评分以避免用户资产丢失。较低的安全评分将造成一定功能被锁定，例如资产转移等。直到安全评分恢复到正常状态。

f. 账号信用等级

共生系统将引入账号信用等级的设定。一方面避免作弊，另一方面可以对不同的账号对于共生生态的贡献做出不同的评价，可以给予不同的激励措施，同时也方便生态厂商做出合理的商业策略。

g. POV(proof-of-value)挖矿方案

不同于比特币的POW共识方案和以太坊的POS共识方案。LivesOne将采用POV(Proof-Of-Value)的共识方案。用户通过共生系统中的应用(如:傲游浏览器)进行挖矿，系统通过对用户的各种互联网活动(注册，挂机，点击，消费等等)进行计算来产生代币给用户进行奖励。

h. 挖矿规则

30% (84亿LVT) 将由挖矿产生。每年挖矿产出将衰减40%。 LVT 挖矿将分两个阶段。 第一阶段是"推广期"， 从2018年1月底开始，每天产出1000万LVT，直到 2018年4月30日 结束。从2018年5月1日开始进入"正式期"。在这一时期，剩余的 74.8 亿 LVT 将持续产出 20 年。

i. 共生SDK

为了快速增加共生系统中的其它生态厂商，共生系统将打造一套SDK，把代币消费，POV算法，奖励机制都封装在一起，并且，共生系统团队将提供一系列技术支持服务，以便于各个生态厂商的顺利接入。

j. 共生API

LivesOne团队针对不同的共生币应用场景，设计了通用API接口，使得商家和用户可以使用最简单的方式在自己的产品或页面里嵌入代币的消费应用，比如使用共生币的支付、打赏、 红包等功能。甚至每一个用户都可以通过复制代码的形式，在自己的微博或直播界面嵌入应用，使得共生币的流通变得更为简单。

k. 其他生态厂商的接入

为了快速发展，共生系统将引入各种主流互联网应用。目前傲游浏览器已经拥有的大量合作伙伴将作为首期入选合厂商。共生系统在设计中有30%的代币将通过生态厂商进行分发。这样有利于代币的迅速扩张，加速生态系统的成熟和繁荣。

6 LivesOne的发展规划

a. Two Universes

LivesOne 生态系统基本上分成2个部分。我们称为半人马宇宙和悟空宇宙。

半人马宇宙： 此时LivesOne系统会使用一个混合构建，中心化的挖矿和分布式的价值存储(通过LVT，一种可以提取到以太链上的通证)。

悟空宇宙： 此时LivesOne会启动它自己的公链，LivesChain(可能包含多个子链)。LVT将通过1:1映射的方式转移到LivesChain上边。

b. LivesOne发展的预估时间表

傲游浏览器–共生版正式上线，支持共生币"挖矿"

准备LivesOne公链和悟空宇宙

确定LivesOne基础模型，完成白皮书撰写

投资机构以及投资者投资到位

30家以上傲游合作伙伴产品加入共生系统

| 2017.7 | 2017.8 | 2017.9 | 2017.10 | 2018.1 | 2018.3 | 2018.4~6 | 2018.9 | 2018.10 | 2018.12 | 2020.12 |

确定早期投资人和顾问团队

创建3–5种共生币应用场景，共生币开始流通

持续吸纳全球区块链技术精英，打造更多LivesOne创新性技术和应用

开发完成安全可靠的共生币(LVT)钱包，该钱包也是以太坊(ETH)钱包

团队组建及项目立项

让5亿网民成为共生经济受益者

7 共生币的升值逻辑

a. 共生币的升值逻辑

i. 稀缺性:

由于共生系统引入的都是主流互联网应用，例如傲游浏览器等，用户量基本上都在百万级或者更多。代币的分发将会迅速进行，而随着挖矿难度的增加，免费获得代币的渠道将会减少，从而促使用户通过二级市场进行交易。

ii. 流通性:

百万级用户的引入和各种主流消费场景(游戏，电商，广告，电子书，打赏等等)的引入将大大的提升代币的流通性。共生币还将登陆国内外的各种主流交易所，进一步提升流通性。

iii. 生态系统发展带来的升值:

我们认为数字货币的市值将跟其生态系统的发展有正比的关系，我们将依托北京奥义区块科技有限公司的技术团队在互联网领域的多年积累，引入各种生态厂商进入到共生系统中，随着各种主流厂商的进入，我们相信共生系统的市值将会不断的提升。

b. 共生币的升值模型

8 共生币的竞争优势

更公平：不支持矿机挖矿，获取机会均等；

更灵活：支持闪电交易，无手续费模式；

更安全：由知名互联网团队运营，安全系数高；

有落地：嫁接成熟互联网模式，应用直接落地；

成长快：坐拥千万级用户，系统规模可以迅速做大；

升值空间大：总量固定，永不增发。

9 共生币的总量与分配

LivesOne坚持面向未来的先进的价值观，坚持开放透明民主去中心化的原则。共生币将成为共生经济的硬通货。为广大用户凝聚价值，让大众用户能够与商家一起分享新经济形态带来的高额红利。LVT总共发行280亿枚。30%分配给早期投资人，20%给予创始团队(每年解锁2%)，10%用于市场推广，10%给予加入共生经济生态的厂商。剩下30%(84亿LVT)将由挖矿产生。每年挖矿产出将衰减40%。LVT挖矿将分两个阶段。第一阶段是"推广期"，从2018年1月底开始，每天产出1000万LVT，直到2018年4月30日结束。从2018年5月1日开始进入"正式期"。在这一时期，剩余的74.8亿LVT将持续产出 20 年。

10 合规性

共生币(LVT) 参照莱特币等知名加密数字货币，将在私募完成后于新加坡成立 Public Company Limited by Guarantee 非盈利基金会，该基金会的主要任务是公开、公正和透明的运营共生币生态，并对共生币的开发团队进行支持。

共生经济基金会将由新加坡会计与企业管理局(ACRA)批准成立，受新加坡公司法监管，该基金会由具备受托资格人组成的受托董事会或管理委员会独立管理运营并独立于政府之外。

English Version

英文版

CONTENTS

A LivesOne Introduction

1. Definition

Symbiosis: Any type of a close and long-term biological interaction between two different biological organisms, be it mutualistic, commensalistic, or parasitic." wikipedia.

Singapore Symbiosism Economy Foundation: "The Foundation" which is formed to created the world-first symbiosis Eco-system, LivesOne.

LivesOne: The world-first project started by Symbiosism Foundation whose goal is to create a Symbiosis Eco-system.

LivesToken (LVT): The token used in LivesOne to represent a certain value created by user activities.

LivesToken on Chain (LVTC): It's the same as LVT by a different name, referring to LVT saved on blockchain.

2. Symbiosism Economy

LivesOne is a new blockchain project built by Symbiosism Economy Foundation. The goal of LivesOne is to create a new business model utilizing the blockchain technology - Symbiosism Economy Model.

The Symbiosism Economy refers to the ECO-system that formed by different entities (business or non-business) which benefit from each other's activities. 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 LivesOne is an economic symbiosis that aims to achieve mutual improvement and common growth for both users and businesses.

3. The Needs of LivesOne

The needs of the LivesOne is due to fact that Internet user's value has long been ignored. During daily Internet browsing, users often perform activities like account registration, content creating, webpage browsing, commenting & sharing, online shopping and so on, which all create values. These activities increase websites/apps active rate, retention rate, and even result in direct payment, which leads to more business value, but the user does not get any material reward from it.

LivesOne is trying to create a new relationship. 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.

4. The Meaning of LivesToken (LVT)

LivesToken (LVT) is the digital tokens issued by the LivesOne central platform. It could be withdrawn to Ethereum chain and will be transferred to LivesChain when it's ready. It 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 LivesOne Team

1. Founders

Jeff Chen

Founder and CEO of Maxthon Browser. Seasoned 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 Economy 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.

From the beginning, the project has attracted experts from all over the world. A team consists of block-chain experts, UX/UI experts, marketing experts has formed. The team are all excited about LivesOne and working hard to improve it day by day.

3. Senior Consultants

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

Problems Solved by LivesOne & 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
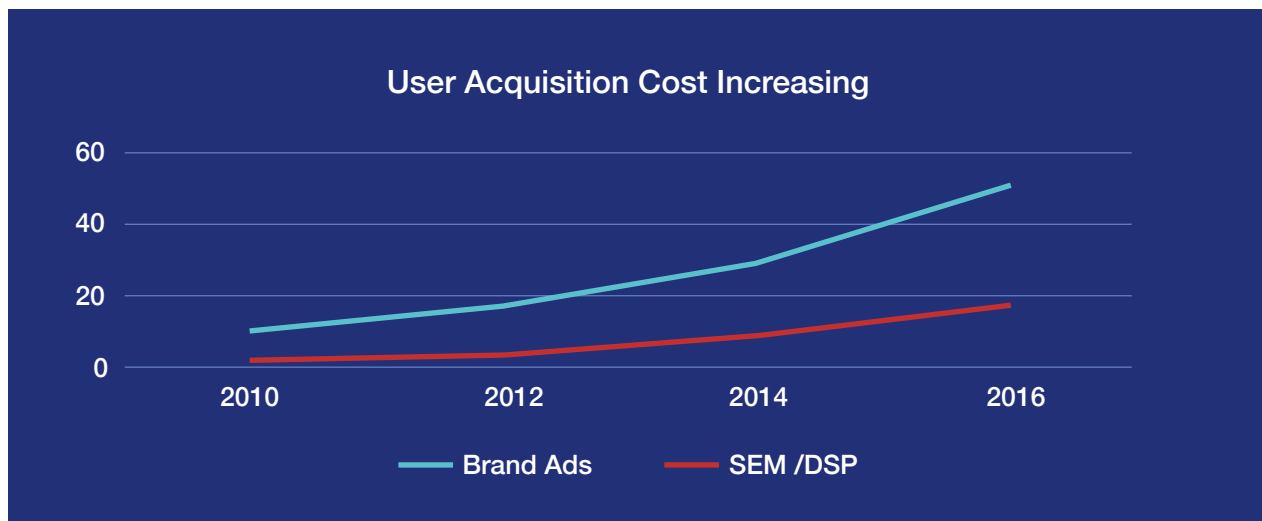
Increasingly competitive environment and serious homogenized products lead to the fact that user acquisition cost rising significantly in recent years. From a few dollars soared to tens of dollars, or even hundreds of dollars, the Internet industry once again standing at the crossroads of development.

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
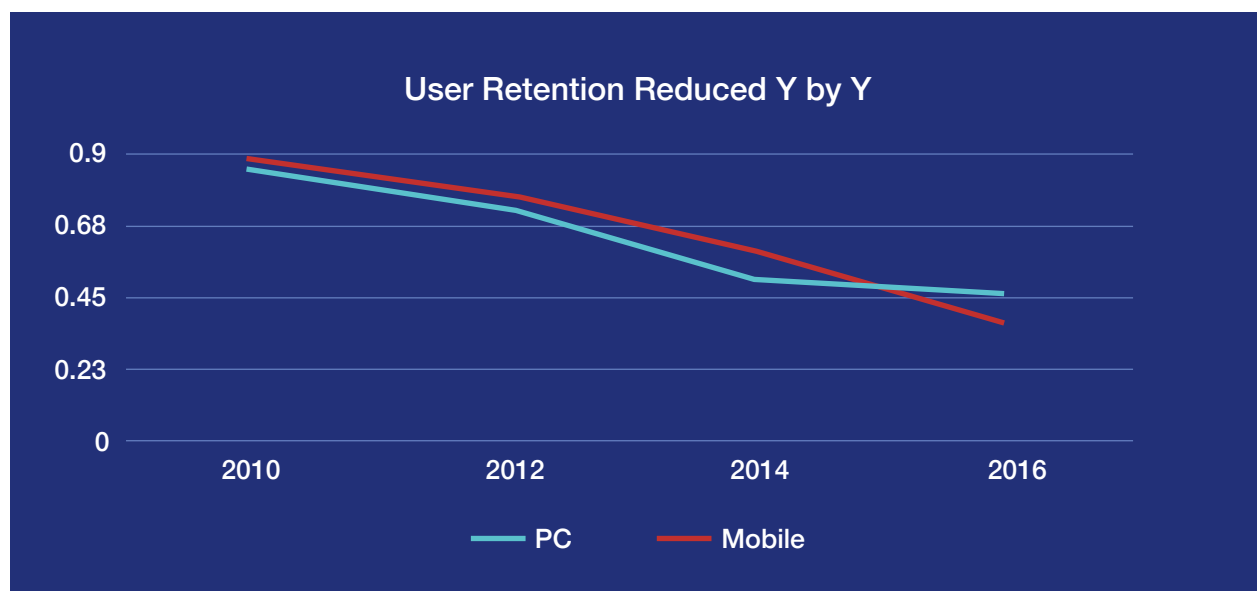
The products rely heavily on channel and ads, users will be attracted by interesting push & ad content to use a certain product, but can also switch to another one because of other products' push or ads; at the brand level, the youngsters started to focused more on highly personalized products, and even 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

Businesses and users need a deeper connection

Users

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 business-es 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. LivesOne's Goal: Create a Symbiosism Economy Business Model

Charge
Eeconomy

>

Free
Eeconomy

>

Symbiosism
Eeconomy

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 LivesOne's Components

1. LivesOne System Introduction

LivesOne 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 (Open ID), 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. LivesOne System Model

Basic protocol layer	General account agreement	Data storage and communication protocol	Encryption protocol	Value Wage Agreement	Information release agreement	Trading agreement	......
Platform core	Symbiosism Platform						Symbiosism Products
	Valuation and tokens allocation		Service and rate	Payment and transfer of tokens		Tokens trading	Lives Wallet Lives Exchange
	LVT, as an encryp ted 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 th ese services, they need to pay the platform fees or margin. The tokens will be reallocate d as a remunerati on 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 transac-tion in Ethereum.		Symbiosism platform helps users to quickly and easily complete the digital currrecy transactions, such as trade the tokens with ETH or BTC.	
Application layer	Application mode of symbiosism system through embedded SDK			Application mode of token payment & transfer through API			
	Any business can join 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 LivesOne's Realization

1. The First Symbiosism Economic Entity: Mining Browser

The community has created an addon for Maxthon Browser and packaged a "mining brower" based on Maxthon. The mining browser will be the first product to access to the LivesOne. Maxthon Browser's hundreds of millions of users worldwide can benifit from LivesOne system, and become the early holders of LivesToken (LVT).

Through earning LivesToken, Mining Browser's user loyalty and active time can be effectively enhanced; Maxthon Browser's user 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, LivesOne 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 LivesOne. 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 LivesOne 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 LivesOne and LivesToken's popularity and usage. The wallet will start as web and H5 version and may have app version as the development goes.

3. User Account

LivesOne 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 Levels

The accounts in LivesOne will have different levels, based on certain requirements. The entry level will have less features, such as asserts transfer etc, and higher level will have more features and less limitation.

5. Account Safety Rating

The LivesOne system will give a safety rating to all accounts, based on big data analysis, to avoid user's asserts lose. The lower safety rating will result in certain feature be locked, like assert transfer etc, until the account restore to a higher safety state.

6. Account Credit Rating

The LivesOne 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 LivesOne system to make more reasonable business strategies.

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

Different from Bitcoin's POW consensus program and Ethereum's POS consensus program, LivesOne will adopt the POV (Proof-of-Value) consensus program. The LVT each miner (user) obtained will be based on his contribution to the LivesOne Eco-system.

8. Mining Rules

30% Of all LVT will be scheduled for mining, which is 8.4 billion LVT. There will be 2 stages.
Stage one is "promotion stage". During this stage, 10 million LVT will be distributed every day, for a total of 91 days. All participants (miners) who run the mining program will share the distributed LVT.
Stage two is "official stage". During this stage, the remaining 7.49 billion LVT will be distributed for around 20 years. Each year's amount of mining-available LVT will be reduced to 60% of the previous year.

9. 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.

10. Lives API

The LivesChain team has designed a common API interface for different LivesToken application scenarios that allow 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 lives-stream apps and hence making the circulation of LivesToken to become more simple.

11. Other Businesses Access

To facilitate the ecology's development, Symbiosism 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.
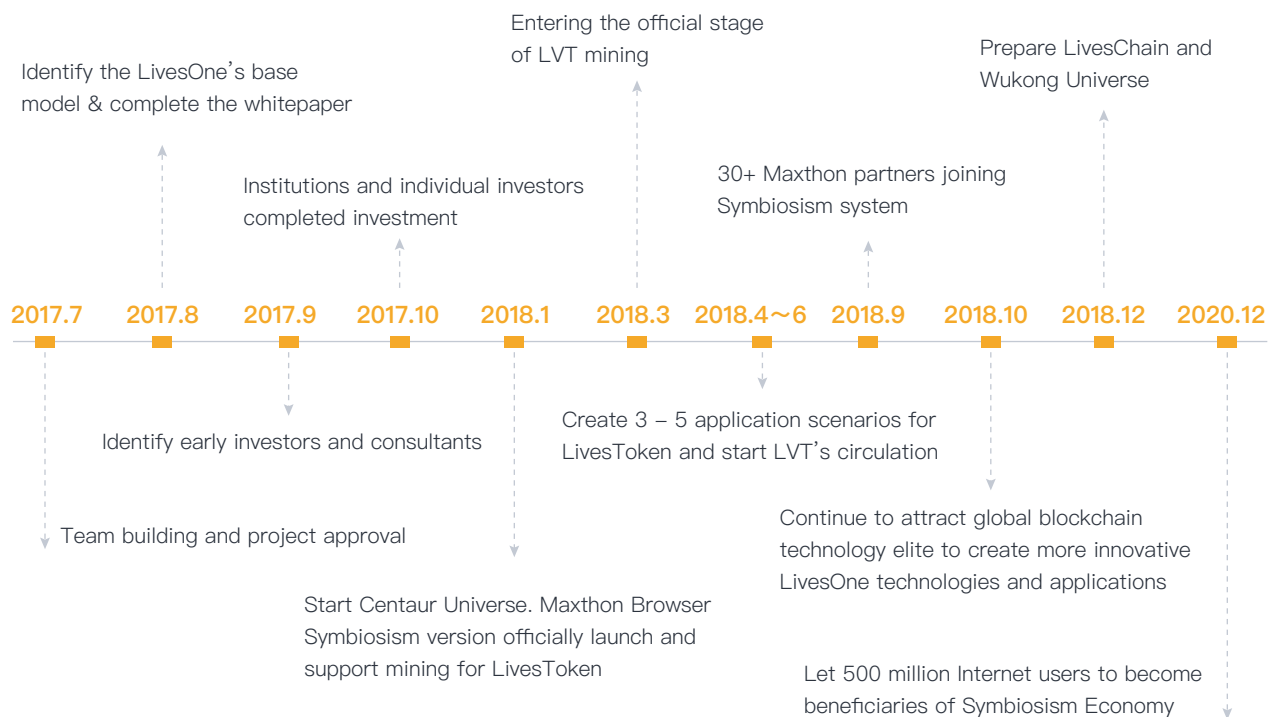
F LivesOne's Development Plan

1. Two Universes:

The LivesOne development is generally divided into 2 stages. We call it Centaur Universe and Wukong Universe.

Codename "Centaur": Where LivesOne will use a mixed structure. Centralized mining method and distributed value storing method (through LivesToken, an ERC20 token).

Codename "Wukong": Where LivesOne will start its own public blockchain (LivesChain). Enabling more dApps to run on LivesChain. The LivesToken will be transferred to LivesChain on an 1:1 proportion.

2. LivesOne's Major Milestones:

The latest development roadmap can be found at https://trello.com/b/xfO1p66J/livesone-public-roadmap

Identify the LivesOne's base model & complete the whitepaper

Entering the official stage of LVT mining

Prepare LivesChain and Wukong Universe

Institutions and individual investors completed investment

30+ Maxthon partners joining Symbiosism system

| 2017.7 | 2017.8 | 2017.9 | 2017.10 | 2018.1 | 2018.3 | 2018.4~6 | 2018.9 | 2018.10 | 2018.12 | 2020.12 |

Identify early investors and consultants

Create 3 – 5 application scenarios for LivesToken and start LVT's circulation

Team building and project approval

Continue to attract global blockchain technology elite to create more innovative LivesOne technologies and applications

Start Centaur Universe. Maxthon Browser Symbiosism version officially launch and support mining for LivesToken

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, live-streaming, 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 relies on. Beijing AoYiQuKuai Technology Limited 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
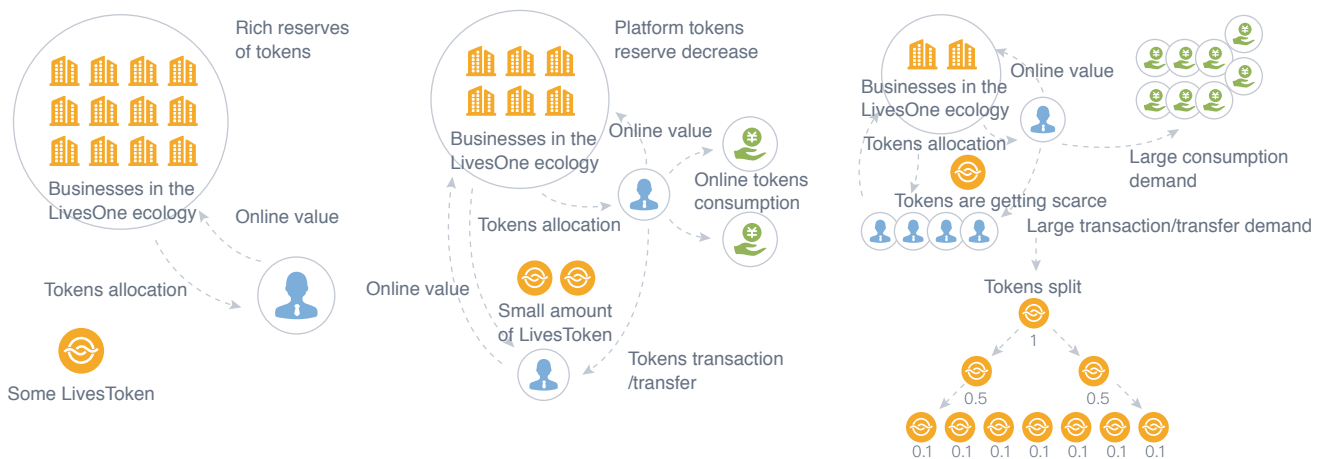
H LivesToken's Competitive Advantages

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

LivesOne is proactively embrace the future and adhere to the principle of open, transparent, democrats, 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. 30% 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, 10% will be held for businesses who joined Symbiosism System, and the last 30% of the tokens(8.4 billion LVT) will be distributed through mining. Each year's upper limit of mining tokens will be 60% of the previous year, and founding team's tokens will unlock 2% per year. LVT mining will have 2 stages. Stage one is "promotion stage" which starts from the end of January 2018. During this stage, 10 million LVT will be distributed every day, to 30th April. From May 1st 2018, the "official stage" begins. During this stage, the remaining 7.49 billion LVT will be distributed for around 20 years.

J Compliance

LivesToken (LVT) has 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 Economy 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 Economy Foundation is 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.

共生经济基金会官方网站: http://lives.one

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