

# BitCarbon Chain WhitePaper

The largest decentralized environmental ecology platform.



# BitCarbon

2019

BitCarbonChain Team

## Catalog

|                          |   |
|--------------------------|---|
| Project Background ..... | 3 |
| Project Target .....     | 3 |
| Team .....               | 5 |
| Disclaimer .....         | 6 |
| Conclusion .....         | 7 |

## Project Background

Climate warming has become a common understanding of human beings, if it is imminent to slow down climate warming.

Humanity has carried out carbon reduction actions from top to bottom at the national and government levels, from the Kyoto Protocol to the Paris Agreement, all of which are joint efforts. But the results are not entirely satisfactory.

Therefore, we need to find a new way, starting from the technical means, to try to let mankind reach consensus on the chain and safeguard our planet together.

On the other hand, the "superstratum" has never stopped exploring environmental protection measures. Currently, greenhouse gas emissions, emission management, afforestation incentives and even water and electricity subsection charges are all effective protection of the environment and effective management of human behavior. Environmental protection is forming a complete and complex ecosystem.

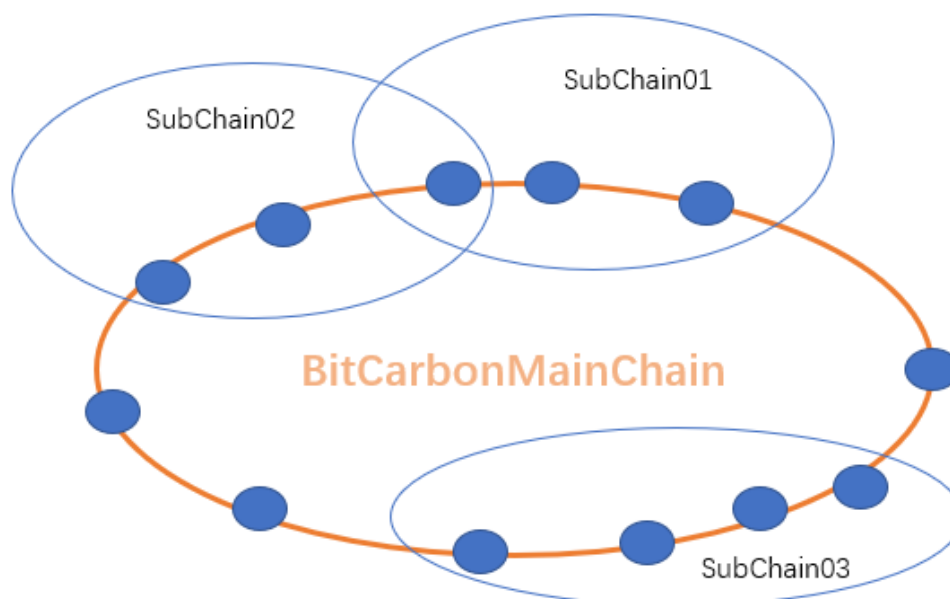
## Project Target

BitCarbon Chain is committed to the construction of the world's largest energy-saving and environmental protection ecological application platform, it is clear that the project is based on the block chain technology to promote the premise.

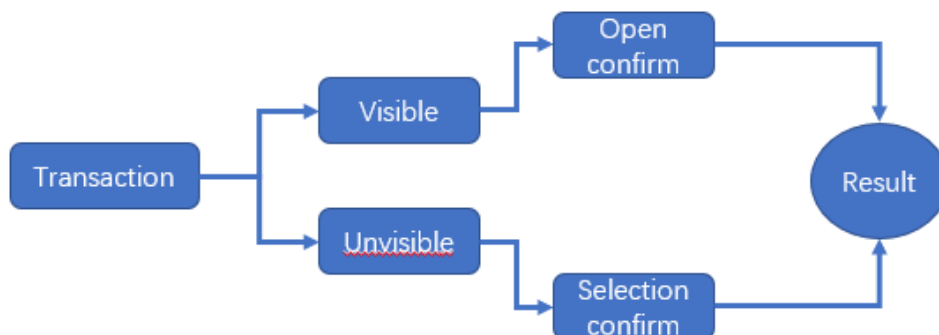
一、 To build a mainchain with high performance

- Support muti-chain natively

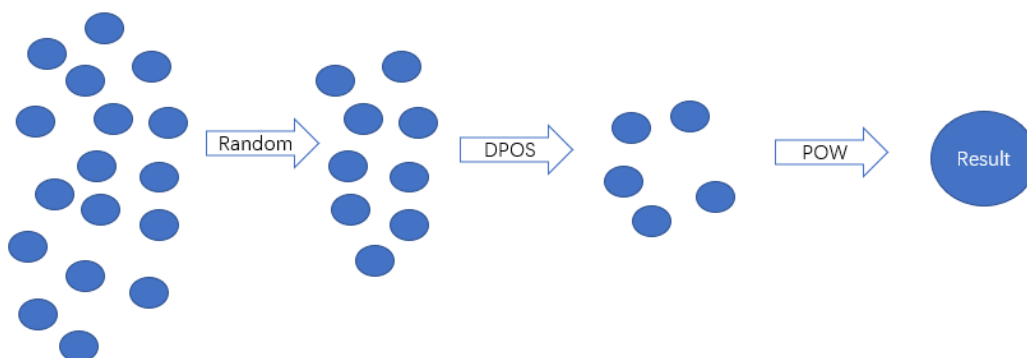
Unlike other project, BitCarbonChain can support muti-chain natively in its mainchain code, so if anybody want to build a new chain base on it, it's unnecessary for you to build extra nodes or network, the only thing to do is thinking your business logic.



- Provide a solution to hiding your identity and private information.  
Before you generate a transaction, you can choose to hide your information and identity, besides you can choose to open also.



- Provide a mechanism to reach consensus.  
Hierarchical consensus mechanism is designed in BitCarbonChain, in which way we can solve the question of decentralization and performance both.



Step01: System select part of nodes to participate in consensus randomly in all of the active nodes on the network.

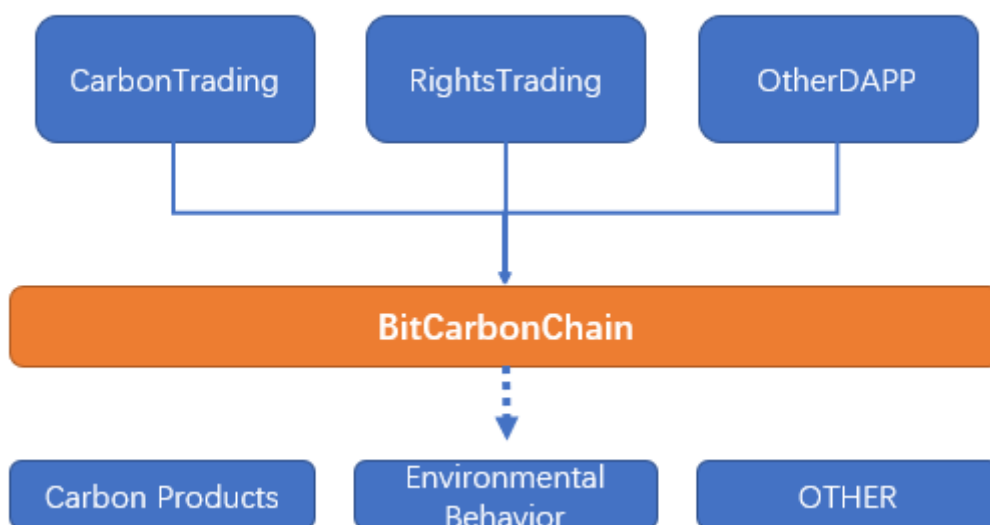
Step02: Then the selected nodes reach consensus through DPOS algorithm.

Step03: At last the voted nodes reach consensus through POW consensus algorithm.

## 二、To develop a environmental DAPP ecology

It has been recognized that most human activities will bring burden to the environment, fortunately human activities have been continuously included in the scope of supervision, and efforts will be made to minimize the impact or damage to the environment. For example, carbon emissions, emission permits and so on. If these areas are implemented, but all of this need information system support. These systems need strong trust to convince people. It is difficult for traditional technology to do this. So without any doubt, in the future, these systems will be built based on blockchain.

BitCarbonChain has emerged to build more and more environmentally friendly and energy-saving applications on it, and its underlying consumption will be offset by carbon sinks (CO2 absorption). Therefore, it is a good scheme in technology and macro environment to help human beings balance development and environmental protection.



In the future, environmental ecological applications such as carbon trading, emission management, green travel and afforestation will be based on BitCarbonChain, while the bottom of BitCarbonChain will be linked with products value and behavior to form an rounded ecological cycle, promote people to actively save energy and reduce carbon, and take into account the benefits of application.

For details in technical, please see our yellow paper.

## Team

The core team of BitCarbonChain has several person comes from academic and scientific research institutions, deeply understand the needs of government agencies, academic institutions, enterprises and the public, and is committed to building a practical mainchain serving the environmental protection industry.

### Founder&CEO



**Piao Chiu**

Mr Chiu is the director for the Hong Kong Emission Exchange, based in HK. Co-founded the Hong Kong Emission Exchange in May 2012, the leading trading platform in carbon. He has 15 years of experience in the emission trading field and 5 years of experience in renewable energy technology development.

## CoFounder&CMO



**Joyce Wen**

Joyce has many years of successful investment and incubation experience in the energy industry. She joined the Hong Kong Emission Exchange in 2018. From 2018, Joyce had a burning desire to work in the technology sector, and decided to work more closely with cryptocurrencies and blockchain technology.

## CoFounder&CTO



**Lincoln Lung**

Lincoln is a technical expert, devoted to system developing for many years, proficient in the bottom code and smart contract, has rich project delivery experience, used to design exchange system for carbon trading, and also designed several products for blockchain, for example, exchange platform and hardware wallet.

Lincoln used to work in huge ICT company for many years, and have done much research in Blockchain.

## Disclaimer

Digital asset investment is a new investment mode, which has various risks. Potential investors need to carefully assess the investment risk and participate in the scope of their own risk tolerance. Once you participate in the investment, you will understand and accept the risk of the project, and are willing to bear all the corresponding results or consequences.

This article and any other documents or information provided by it are only for the purpose of conveying information. They are not intended and should not be regarded as any basis for investment decision-making. They do not constitute investment proposals, consultation or solicitation. They should not be understood as any invitation to sell, buy or subscribe, and they should not be interpreted in this way.

All data, revenue and profit examples in this document are for display purposes only, or represent industry-wide data or mean values, and do not constitute guarantees for user participation results.

The content of the project described in this paper is only a framework description of the project development planning guidance, and the actual situation of the project is based on the specific landing situation.

No part of this document is intended to establish a legal relationship between the recipient and the issuer of this project or to be legally binding on the issuer.

## Conclusion

Modern society is always driven by technology. While we are making technological changes, we should not forget our original intention, conform to the trend of development, and do something beneficial to society, the country and the whole mankind. Climate warming and environmental energy conservation and carbon reduction are related to the common destiny of the whole earth and mankind. The BitCarbonChain project is a new exploration made by our team from the aspects of technology and economic model, out of the sense of responsibility for the future of our common earth and mankind. It is a comprehensive, feasible and sustainable development project. BitCarbonChain will become an important milestone in the field of human energy conservation and environmental protection.