



Clear White Paper

**GREEN AND ENVIRONMENTALLY FRIENDLY
HEALTHY AND ENERGY-SAVING**

CLEAN CARBON CREDIT AND TOKENS

ELECTRIC VEHICLE CHARGING NETWORK



Preface

Industrialization and global commercialization have led to the exploitation of natural resources because of the increased demand for electricity and fuel. The use of fossil fuels to drive this growth results in an exponential increase in carbon emissions, which prove harmful to the environment. Realizing the need for the right line, most of the world met in the 1990s to develop a protocol to encourage the reversal of increased carbon emissions. The concept and agreement for carbon credits was developed to motivate large companies to produce products that reduce or avoid carbon emissions. Electric cars are part of the auto industry's efforts to eliminate carbon emissions.

Carbon credits became a profit incentive for automakers to produce electric cars. The carbon credit market itself has become a bigger industry than the electric car market. The costs associated with electric vehicle development and the charging infrastructure required for seamless operations have become a very capital-intensive effort that limits returns to a small number of selected large companies. Even if the incentive to invest in these technologies is high, the existing charging infrastructure is not enough to support the number of electric vehicles currently on the road, or to cope with the expected growth of electric vehicle production in the coming years. With the exception of a few charging stations that use solar power, most stations are connected to the grid, which is problems with transparent and consistent pricing.

Unlike gas stations where the general public is very aware about gasoline prices, public ev charging stations have no fixed standards (such as charges per legal price or per k / KWH), leading to trust and transparency issues among electric car owners. Payment gateways used across different charging stations also lack consistency. There is no universal payment system that supports multiple charging stations worldwide. Clear The goal is to democratize the carbon credit industry by becoming the first platform to reward drivers for carbon credit, expanding this profitable industry to those who avoid carbon emissions every day. Clear The platform seeks to combine carbon credits with universal solutions for the electric vehicle charging station industry, leveraging the power of blockchain technology and decentralized finance. Create a fee payment system for electric vehicles that provides customers with utility, value, trust, and privacy.

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1. carbon credit

1.1 What is a carbon letter of credit?

A carbon credit is a permit allowing an owner to emit a certain amount of carbon dioxide or other greenhouse gases. A carbon credit is equivalent to emitting a ton of greenhouse gas. Generally, large companies are encouraged to reduce CO₂ emissions, but they have to spend extra money to exceed the limit. There is a carbon market that allows to exchange these carbon credits where they can sell their extra credits. The ultimate goal of the carbon credit concept is to reduce greenhouse gas emissions.

1.2 Background information on the carbon credit market

Carbon credit markets have traditionally been designed for the benefit of big companies. Tesla is one of the world's largest electric car makers, generating \$679 million in revenue in the first quarter of fiscal 2022 alone. Other electric car makers have received similar benefits from the manufacture of carbon credits. Other big companies outside of the electric car industry have also benefited from the carbon credit industry, which is expected to reach \$2.4 trillion by 2027.

Only big companies like Tesla can benefit from the carbon credit market. The basis of these markets was established under the signing of the Kyoto Protocol in 1992. The Kyoto Protocol, signed by more than 170 countries, stipulates how to set allowable carbon emission thresholds for developed and less developed countries through a trading carbon emission licensing system.

Once these standards are formally established, it will take another 10-15 years to be formally approved and implemented. The result is the creation of a market that forces companies for activities that generate substantial carbon emissions to pay companies for activities that eliminate atmospheric carbon emissions or participate in activities that directly avoid them.

Big companies have dominated the market from the start. It is clear that many companies are willing to pay "pollution taxes" rather than spending more money to transform businesses to emit less carbon emissions. The prices these companies are willing to pay have been rising for years, so many are specifically focused on the industry, whose profitability comes from subsidies to polluters.

By 2022, the carbon credit industry is estimated to reach \$851 billion. Participation in this market is limited to those well-capitalized companies that invest in pollution, or those that remove carbon from the atmosphere or participate in carbon offset activities, allowing them to be economically involved in the nearly trillion-dollar industry.

Many people are very unfamiliar with these markets; many have no financial access to carbon credit markets, including those involved in carbon avoidance, one including driving electric cars. Clear It aims to provide more awareness and access to the carbon credit market and open it to more markets to stimulate the demand for sustainable liquidity.

2. Clear Introduction

The main purpose of clear is to use blockchain technology to build a point-to-point (P2P) payment system for charging electric vehicles (EV). At the heart of the project is the clear mobile app, which electric car owners can download to buy the project's native token, the clear.clear Tokens can pay for charging electric vehicles through a clear app carrying a real-time charger locator.

When ev owners use a clear token to pay for charging, they receive a pro rata carbon credit. This process, which directly affects climate change, has also become a powerful incentive for ev owners to use clear services.

Clear Revolutionary status in cryptocurrencies and electric vehicles, becoming the first chain platform to reward drivers with carbon credits. It also aims to bring standardization to ev charging payments, bringing much-needed transparency to an industry that lacks charging payments for electric vehicles. Clear Platform has the potential to become the standard of the electric vehicle charging industry platform, aims to reduce the average transaction delay, improve transaction throughput, create more efficient charging stations, new capacity to support the expected growth of electric vehicles, promote the user experience of all stakeholders, to adapt to the electric car industry, so as to further reduce carbon pollution and cleaner environment, is conducive to the future generation. The platform has the potential to be exploited by municipalities to better manage its fleet and public charging stations, while incorporating carbon credits into the incentive scheme for drivers to adopt electric vehicles to promote a sustainable future.



2.1 Industry pain points

✓ Allocate access to carbon credits

Traditionally, carbon credits are left to big companies that invest in projects that actually remove carbon from the atmosphere or avoid carbon activity, such as making electric cars or installing EV charging stations. To earn carbon credits from these activities, large investments are often needed to benefit, limiting wealthy industrialists and their companies into the nearly trillion-dollar industry

✓ Electric car drivers do not receive carbon credits

Drivers who own their own electric cars often get some form of tax credit at the time of purchase, but they don't get any carbon credits. Owners of electric cars often pay extra for electric cars, compared to gasoline-powered cars. Electric car owners are participating every day to avoid activities that produce carbon emissions. Before Clear, however, they were excluded from the nearly trillion-dollar giant industry.

✓ There is no single ev charging payment solution

Charging of electric vehicles follows a deregulated system. Drivers or fleets can subscribe to any charging station, independent of the geographical location. But this mobility in the EV charging system has not been satisfactorily covered. EV owners charging at local EV charging ports can not pay directly to EV charger service providers and / or EV charger owners. The subscriptions to provide these services vary across different regions and service providers. Moreover, without a universal subscription solution, these services are often very remote and applicable elsewhere, making EV charging systems uninteroperable. Many EV chargers offer customized solutions for proprietary systems that rely on closed digital membership and carrier-specific cards for carriers and automakers that accept payments. These methods are somewhat restrictive and do not provide broader market requirements. No single payment system supports all of the services. The gap in the mobility of EV charging systems is one of the main factors hindering the large-scale adoption of EVs.

✓ Non-transparent pricing

Electric vehicle charging stations have no pricing standards and no ready or widely advertised prices. Unlike gas stations, which show the price of fuel (gallon / liter) on their kanban and on gas stations, they do not have such transparency. Many times, prices are not announced until the charges are completed, leaving EV owners unaware of their charges. There is also no standard unit for fee delivery; some station owners use US dollars to pay for k / wH, while other stations charge directly at k / wH. To exacerbate the problem, most users are unfamiliar with current electricity prices or how to calculate dollars per k / wH, which further adds to the confusion. Clear aims to use its platform to provide appropriate visibility to users to always provide accurate and transparent pricing.

✔ Lack of real-time information

The worst driving experience starts with turning on a working charger. Physically damaged charger and software failures are the two biggest causes of charger failure and require access to the site to repair. In the current field of ev charging, no software transmits real diagnostic data to the electric vehicle service provider (evsp) to help diagnose and solve real-time problems. This leads to charging stations in large networks can be offline for weeks. This inappropriate maintenance scheme has led to customer dissatisfaction and further spread "charger anxiety" about the fear that the car would run out of batteries on the road without charging, the first reason consumers are hesitant about electric cars.

✔ Shortage of charging solutions

A recent study by the International Clean Transport Council suggests that 10,000 new charging stations will be needed by 2025 to support electric cars driving in downtown corridors. This is based on the current trend of new electric vehicle ownership. However, parking lots rarely provide charging infrastructure for electric car owners living in apartments, and construction managers are hesitant to install such infrastructure due to new maintenance and training costs. Public spaces also have additional electricity cost issues, and issues of who pays for them on a regular socket. Because regular EV charging consumes more energy than most other residential uses, building managers need a mechanism to monitor EV charging to ensure that the driver of each vehicle pays their own electricity bill.

three. Clear Solution

Clear is a blockchain-based solution designed to create a complete EV charging ecosystem, democratize the carbon credit industry, give EV owners the opportunity to obtain carbon credit,

Data card through streamline and transparent pricing and payment system provides revolutionary customer experience Clear application and utility token is one of the few real life use cases of web3 technology, can be used in a variety of real life use cases, including but not limited to charging station power payment solutions two transparent payment system, real-time data transmission to the EVSP for diagnostic charger, and index integrated solutions

Drivers and token holders use the Clear network.

Clear The partnership with flowing carbon will provide token carbon credit through flowing carbon Good Natural tokens (CEIR). After paying for the ev charging at the Clear cooperation station using the Clear app, the EV owner / driver will receive it

The CEIR tokens come from the transaction fees generated by that charge. Staff holders will also receive carbon credits as a percentage of the corresponding transaction fees.

Clear The proposed network application program and the utility scepter solve the economic and infrastructure problems that hinder the growth of the electric and car market. With rising energy prices, regulatory restrictions on carbon emissions, the introduction of monthly new electric car model, and energy independent decision makers on the theme of the agenda, Clear charging network and utilities mark at a critical moment, the market is looking for a solution to help promote the rapid growth of electric car charging network will push the electric car revolution.

four. Key features

Using blockchain technology to provide electric car owners with access to a profitable carbon credit market by rewarding electric car owners and using the Clear fee network. By facilitating transparent pricing and deployment of real-time data transmission, build trust between EV owners and ev charging station owners / operators, enabling users to avoid long queuing times to charge and avoid any inoperable charging stations. The network provides potential real-time information for charging station users, which will allow for quick fault diagnosis and on-site repair to maximize the potential efficiency of the charging network. And build a powerful P2P fee payment system, which will simplify and simplify the payment process of the global fee network, adding trust and transparency, while providing incentives to drivers and utility token holders. The key aspect is to use the:



Carbon credit market accessibility for electric car owners / drivers-P2P fee payment system



Using blockchain technology to provide transparency between electric car owners and charging stations



Real-time data transmission to diagnose problems with the charging system

5. Blockchain works with the Clear

Clear Platform is a real use case of web3 technology; it has the real utility of blockchain support beyond the traditional ledger-enabled network architecture. Clear The proposed e-wallet-based electric vehicle charging payment scheme saves a lot of time, resources and energy to complete simpler and safer charging tasks than they are now. Payments made using the Clear scepter are encrypted, which play an important role in the transaction. Clear Using the distributed ledger for its operation, it uses the security miscellaneous performance algorithm (SHA-256) for transactions. Once the user pays the fee, the transaction details are added to the blockchain as a block. After validation, the data will be appended to the block chain based on the mestamp and Merkle structures.

The biggest advantage of using a blockchain for transactions is its decentralized nature. The data are widely distributed on each node in the network. Everyone can get a copy of the transaction details, make it tamper-free. Also without any intermediary financial institutions or payment processors to trade. New blockchain can be added to the blockchain, but changing existing blocks is virtually impossible; security is the most important. Blockchain has won the trust of users, is very reliable, and is highly recommended, and can solve modern problems. Smart contracts are one of the key functions of blockchain, which makes seamless payments seamless. Clear A smart contract is deployed for its fee payment system, and when certain conditions are met, the money is released (in this case, charging). When tobacco gets a carbon credit from the ecosystem, having a transparent ledger is critical to obtaining data for token holders. The owner of the charging station will also use the same ledger to provide irrefutable proof of a carbon credit. It will also be used in the next phase of the platform, which will effectively foster carbon credits for owners of ev charging stations. The power of blockchain offers many other benefits to users of systems that can generate real-world value, including the ability to generate instant information of the network, the availability and functionality of the charger. This information is crucial to the scalability of the charging network, and is one of the functions of municipal users with public charging networks.

6. The APP application program



The Clear mobile application program will become the central platform for the charging needs of all electric car owners. In addition to managing payments, the application will also manage all end-to-end activities related to the charging process. The following are the features that the Clear charge application will include:

characteristic

- ✔ Carbon credit tracking
- ✔ Seamless payment for multiplatform
- ✔ integration options
- ✔ Location for easy access
- ✔ Charging station finderReal-time charger waiting time charging station technology
- ✔ diagnose

7. Clear System model

Clear The proposed electric vehicle charging ecosystem includes four basic elements:



user

The user is the EV owner or the owner / manager of the EV charging station. The user registers with the end user of the Clear fee system as a specific use case for the fee service.



Ev charging station

This is an EV charging station network, either operated by the Clear Charging company, or by using the + Charging company's blockchain payment network, supported by the Clear Charging utility token



Electric charge APP

This centralized app shows users the nearest Clear supported charging station, holding the user's payment wallet and enabling them to pay, which is an instant charge and carbon credit record. For electric car owners, you can instantly update the status of all charging stations, carbon credit management, and the ability to make price adjustments if necessary.



Blockchain

A public ledger designed and developed to provide transparency and tamper-proof security for the use of smart contracts for more efficient and costly transactions.

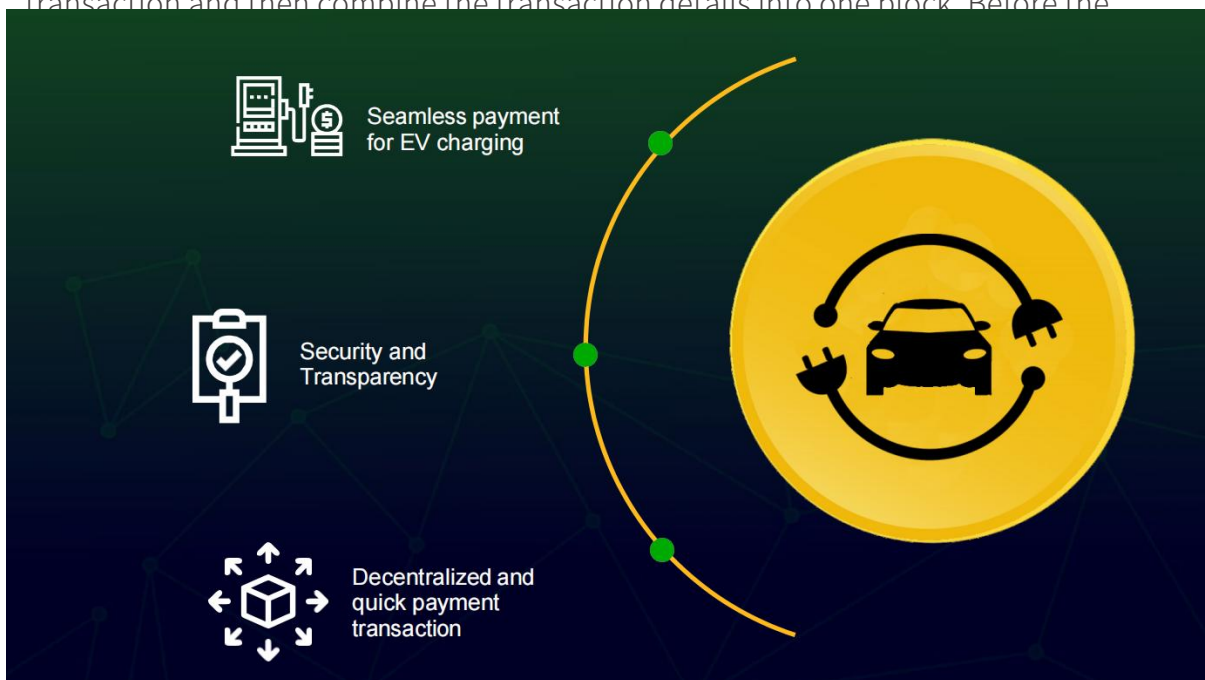
8. Instant diagnosis

Clear The application can transmit instant data about the charger's running status across them, so that charging station users can easily diagnose and solve any problems without spending too much time or resources. Clear To provide a better experience for electric car owners, the system can communicate with the charger, detect and diagnose problems in real time, and enable remote operation to bring the charger back to operation. These features will help ev owners avoid non-working chargers, eliminating long waiting times at charging stations by guiding ev owners to the nearest available charger. Centralized applications provide blockchain-supported real information, maximizing network efficiency and time for electric car owners.



9. Pay a sum of money

The Clear ecosystem is driven by its utility tokens and can be used to pay at Clear charging management charging stations and partner stations on the platform. Clear The charging station for charging operation is equipped with load switch, instrument, controller and unique node information, and users provide digital wallet payment. The mobile app will allow users to track their Clear charge tokens balances, other payment information and carbon credit balances. Users will see minutes of prices at each charging station, where charging owners can use blockchain technology to monitor electricity price fluctuations to adjust charging prices to maximize profitability. Any peer node or node in the chain can make the transaction and then combine the transaction details into one block. Before the



10. Commercial parking lot

Traditionally, electric vehicles are most concentrated in large cities, as limited mileage demand coupled with lower operating costs in higher-cost locations making them popular at these locations. Since most of the parking lots in these locations are located under commercial office buildings and multi-family apartment buildings, the public aspect of these buildings does not make them conducive to accommodate charging stations. Unlike traditional single-family fees, car owners have to pay the electricity bill directly, and in a public garage, the building must pass on the extra cost to electric car owners. If a parking lot does have an electric car, they may have one or two chargers, making organizing charging for EV owners a challenge.

Many construction owners and garage managers have decided that these factors, among other obvious troubles, are not worth investing in chargers. However, as urban demand for electric vehicles will accelerate over the next five years, Clear sees these areas as a huge opportunity. Using the Clear fee payment app will reduce payment problems and the need to install POS systems in the garage. Using blockchain technology, construction managers can use their applications to help promote orderly charging and generate more revenue for their buildings.

Instant messaging will also allow property owners to adjust prices to better match energy fluctuations and allow them to maintain profitability while being transparent to residents. The commercial garage will be Clear One of the initial focus areas.



11. Global charging stations

The International Energy Association (IEA) estimates that there are 1.8 million charging stations in the world. Clear is recognized as the world's largest owner and operator of charging stations, with an estimated 20,000 charging stations worldwide. That is just over 1% of total market share. With so many players in the field and the lack of transparent pricing and user experience between different users, Clear has plenty of opportunities to serve as a bridge for different players around the world. Clear Charging applications and networks are designed to be OCPP compatible, allowing it to be used at almost any charging station around the world. Clear has great potential to working with existing station owners, allowing the possibility of exponential growth with some of the larger station owners.



12. Solar charging station

To fully sustainable, the ideal charging station is powered by clean, renewable energy. Clear Work with manufacturers of solar-powered charging " pods to enable them to move off the grid and be sustainable. This is the ideal form of charger for the Clear charging network because it coincides with the goal of promoting sustainable power. While this is ideal for charging station settings, it is not feasible or practical setting because it is better adapted to more suburbs with more space, these stations size 40 containers as well as required space for parking, pods can capacity 5 car charging. This type of charger setup is more suitable where the existing grid is less stable; especially outside North America and Europe.



13.NFT

Clear intends to use nft that provide utilities for its users. Clear The application will allow the user to create all NFT points earned through charge and token holding. Finding real life utility and real life use cases is part of Clear identity and focus that will strive to utilize nft that provide value and utility. But NFT has many other benefits, and Clear Network will seek to offer an NFT program that works with automakers and other stakeholders in the electric vehicle space to create special, limited edition concepts that include electric vehicles. These measures will be designed to further enhance Clear's identity in electric vehicles and further promote sustainable mobility for all.



14. Clear Economics

5.1 The token issue mechanism

Project name: Clear

Token name: CEIR

Total issuance: 300 million units

5.2 token distribution mechanism

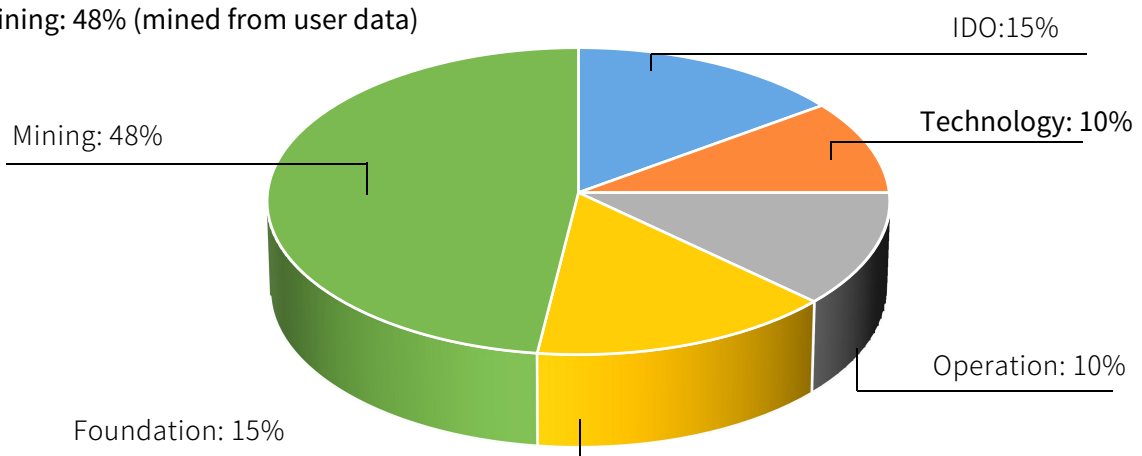
IDO: 15% (all output by the market IDO, without locked warehouse, all released before the line)

Technology: 10% (lock up for 3 years, then release 2% per year until all released)

Operation: 12% (reviewed by the foundation and issued from time to time, the specific release ratio will be publicized in the community)

Foundation: 15% (locked up for 5 years, then released 1% quarterly, mainly for public relations processing and reward for users and institutions that contribute to the platform)

Mining: 48% (mined from user data)



■ IDO ■ technology ■ be in motion and do business ■ foundation ■ mining

fifteen.conclusion

Clear The goal is to use blockchain technology to enhance global ev charging and promote sustainable mobility. Clear It aims to democratize the carbon credit industry, giving electric car drivers the opportunity to receive these rewards previously reserved for big companies and the wealthy. Using Clear charging tools at Clear-affiliated charging stations, electric car drivers will receive a carbon credit. Token holders will also receive carbon credits through a carbon credit reflection scheme. Clear It intends to build a network of own operating and affiliated charging stations around the world. Whenever possible, Clear will seek to leverage charging solutions utilizing sustainable power solutions.

Clear Is working with leading organizations in the industry to develop a platform that allows token holders to participate in the growing industry and to be able to monetize the carbon credits they receive by driving and charging electric vehicles every day.

It's just the beginning, and Clear wants to be at the forefront of the industry. In the near future, Clear charging applications and network charging stations with the ability to eliminate carbon credit networks, enabling the entire Clear charging network carbon credit training process as a whole to obtain carbon credit stations and redistribute electric vehicle drivers and token holders. It is even possible to extend the Clear fee payment system beyond the electric vehicle industry

Spread sustainable returns to more individuals, improving the environment and reducing emissions on a larger scale is the Clear spirit; promoting sustainable global mobility.

sixteen.disclaimer

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