OWNii Coin

White Paper v3.0

™

TABLE OF CONTENTS

Disclaimer

The intention behind this white paper is to educate potential investors and contributors of OWNii Coin for building LIFI infrastructure under the label of Global Greenology. Hence, this white paper should not be treated as an invitation or offer to enter into an investment. It should be noted that this white paper does not possess any form of binding power or impose any legal responsibility on anyone. This white paper only aims to outline the development process of the product and is not recorded in a legal contract format. The launch and implementation of OWNii Coin by Global Greenology are dependent on several variables that include the adoption of blockchain technology, user engagement and regulatory risk.

All information mentioned in the white paper was put together by the Global Greenology team to create awareness or implement the OWNii system and is not mandated to take any action. The information in this white paper is for disseminated only for general information and Global Greenology does not provide any warranty regarding the accuracy and exhaustiveness of this information.

OWNii Coin is only a utility token that can be used for transactions on the OWNii platform. These tokens are not meant to be mistaken or used as an investment. The offering of OWNii Coin on a trading platform is done to encourage the use of OWNii and is not intended for speculative purposes.

Any individual planning to acquire OWNii Coin should understand that the OWNii business model, white paper or any other terms and conditions may change or require modification at a future stage to comply with new regulations or requirements mandated by appropriate laws. In such a scenario, purchasers or anyone acquiring OWNii accept and understand that

neither Global Greenology or any of its associates cannot be held liable for any losses or damages caused directly or indirectly by these changes.

Global Greenology will do its best to launch and develop OWNii. However, anyone planning to acquire OWNii acknowledges that Global Greenology does not give any guarantees that it will achieve it. They also accept and acknowledge that Global Greenology does not assume any responsibility for any losses or damages resulting from the inability to use OWNii Coin.

About

Global Greenology

Global Greenology (GG) is a privately owned manufacturing and design company specializing in environmentally friendly, energy efficient building solutions.

Our principal mission is to address the damage to our planet caused by pollution. We achieve this by waste management and efficient recycling. We use a 100% recycling process to introduce green products to the market.

We place emphasis on education as it is our belief that the future of the world is “Green”. Therefore, it is important to create awareness about new technological advances or alternatives that help make our environment cleaner, healthier, safer and promotes a sustainable future. Individuals from city, state and local government, as well as commercial business owners and residential customers, can benefit from the wealth of information we have compiled during our 10 years in the industry. Green products, recycling, and waste management are paramount in creating the buildings of tomorrow; it is our passion to produce and design structures that are energy efficient and sustainable.

Global Greenology is working towards establishing a fully functional manufacturing plant, designed to produce eco-friendly building materials and green products from recycled wastepaper and plastic. In addition, GG is poised to spearhead the production and installation of LED lighting and LIFI technology.

Global Greenology is currently building its national infrastructure to bring a green lifestyle to your home, business, or municipality. With our

collective effort, we can impact the change needed to build a healthy efficient and sustainable society from the ground up.

OWNii Singapore Pvt. Ltd.

OWNii Singapore is a newly established venture that is privately owned and focuses on the promotion as well as the implementation of LIFI enabled LED products.

OWNii Singapore in association with Global Greenology is resolved to address the ever-growing needs of the IT revolution through the development of IT related products and digital sector to improve internet accessibility in Asia and USA respectively.

Additionally, OWNii Singapore will manufacture LIFI products that will be affordable and help make this technology accessible to the masses.

The founder of this technology is Pure Lifi and originally held the copyrights to this technology. Now, OWNii's partner, Global Greenology owns the copyrights that will help us implement this technology in homes, offices and industries that will help enhance internet speeds by 100 times through the use of LED lights.

Although a new entity, OWNii plans to establish OWNii technology in the countries of the Asian-Pacific region and is already in discussion with major players in Hong Kong, Malaysia and Singapore.

OWNii Singapore and Global Greenology Collaboration

By entering into a strategic partnership, OWNii Singapore and Global Greenology will pioneer the OWNii technology. With an extensive knowledge of cryptocurrency coupled with a growing demand for OWNii technology, we will establish ourselves as the first to implement the infrastructure for the next internet boom! Together we will launch and install LIFI internet in all of Asia and OWNii Singapore will oversee the deployment of LIFI internet towers in this joint venture.

The state of wireless communications

Whether it is replying to an email on your laptop or posting pictures on social media through a smartphone, wireless networks play an important role in facilitating communication in a world that is constantly on the move. Currently, the most popular technologies in use are based on radio frequencies of the electromagnetic spectrum. Cellular communication and WIFI are based on this technology.

Cellular Communication

Today, 67% of the world's population use mobile phones. Of this number, it is estimated that 2.5 billion people are smartphone users. Smartphones coupled with internet access has allowed greater mobility and revolutionized the way people communicate. Wireless communications have evolved into a utility like water and electricity, fundamental to the socio-economic growth of modern society.

Current networks support voice and data communications, but, they offer average transfer rates of 7 Mbps. Meanwhile, 4G speeds range between 15 to 20 Mbps. However, with advancing technology, data transfer speeds are expected to surpass 40 Mbps by 2021.

Cellular communications are affected by a variety of factors with the main one being propagation path obstruction. This refers to the obstruction to radio waves caused by natural or man-made features such as buildings, caves, clouds, etc. This disruption results in issues such as connectivity issues and duplicity of data.

Meanwhile, the traffic using mobile data is on the rise. According to one report, the total mobile data traffic is estimated to increase by eight times by 2023. This increase is attributed to the growing popularity of video-based media such as YouTube, Netflix, social media and games and the IoT.

To meet the ever-growing demand for mobile communications, cellular networks have to grow from simple local service providers into large, complex cooperative systems. The main challenge for cellular communication operators will revolve around addressing this exponential demand created by consumers. The exponential growth in demand for wireless data is outpacing the supply of current and emerging wireless networks.

So far, additional frequency spectra and denser cell sites are being allocated to answer this challenge, but these short-term solutions will only delay the inevitable spectrum crunch. In addition, up to 70 per cent of the wireless data demand is coming from indoor locations, which are currently being served by WIFI APs and femto-cellular communications.

WIFI Communication

With increased smartphone usage, the demand for data has increased exponentially. This has led to using the use of radio frequency bands below the 10 GHz range. WIFI routers operate in the frequency bands of 2.4 GHz and 5 GHz.

WIFI gives wireless access to the internet by connecting the home or office ethernet to the smartphone or any other device to enable data transfer. WIFI is gaining popularity because it provides higher data transfer rates when compared to cellular communication. The average WLAN-11n WIFI router

can give speeds up to 150 Mbps while the more expensive WiGig routers can scale up to 1-2 Gbps. According to one 2018 report, around 76% of North America households use WIFI to connect to the Internet.

While WIFI communications allow faster data transfer, it suffers from issues ranging from security to scalability. WIFI use encrypted radio waves to transmit data over a network. These waves can travel through walls thus making them vulnerable to interception and potential hacking. Apart from WIFI routers, there are other household appliances that operate in the low radio frequency spectrum. These include devices such as garage doors, baby monitors and cordless phones. Radio signals from these devices can disrupt the proper functioning of a WIFI router leading to frequent connectivity or data transfer issues.

Finally, the demand for inexpensive high-speed networks is increasing by the day. It is predicted that within the next 3-5 years, the global demand for data will be twice the amount of data supplied via traditional wireless communications.

LIFI as an alternative

Efforts are being made to address the increasing data traffic demand. Researchers are moving away from traditional low-frequency radio bands and looking towards Optical Wireless Communication (OWC). This focuses on utilizing visible light to provide an inexpensive and efficient alternative medium of wireless communication. Currently, OWC is commonly used in infrared remote controls of ACs and TVs.

In 2011, University of Edinburgh professor, Dr Harald Haas delivered a seminal lecture at the annual TED Conference. He introduced OWC as LIFI and initiated serious discussion into its applications and development.

LIFI refers specifically to technology that is high-speed, bidirectional, and networked. LIFI is unique as it allows data streaming while also providing energy efficient indoor or outdoor lighting. By attaching LED bulbs with an electronic chip, data can be streamed using light in the visible, ultraviolet or infrared spectrum. Since this technology does not fall under a regulated spectrum, it helps to significantly reduce the costs for operators. Data transfer rates are 100 times faster than traditional WIFI speeds. In laboratory tests, data was transferred at speeds of 224 Gbps. Meanwhile, in practical settings, LIFI managed to touch 1 Gbps as opposed to 70 Mbps under WIFI and 20 Mbps under cellular.

In addition to superior transfer rates and illumination, LIFI offers other advantages over radio frequency transmission. They are listed as follows:

1. **Security:** LIFI uses the medium of light to transmit data. Since light cannot pass through opaque objects such as walls, it makes it difficult to intercept, unlike WIFI.

2. **Safety:** LIFI does not generate electromagnetic radiation and thereby does not interfere with the functioning of sensitive electronic equipment. Hence, LIFI has applications in areas such as aircraft, petrochemical plants and hospitals, where the use of radio frequency transmission is discouraged.

3. **Efficiency:** LIFI technology uses LED bulbs for transmission. These bulbs are very efficient and consume very little energy.

This reduces the need for additional hardware to implement LIFI while also labelling it as green technology.

4. **Localization:** Since LIFI access points cover a small area, it can be used for tracking assets very precisely.

5. **Data density:** Provides ubiquitous high-speed wireless access that offers substantially greater data density (data rate per unit area) than radio frequency through high bandwidth reuse.

Applications of LIFI

The advantages brought forth by LIFI can be applied in a variety of sectors thus revolutionizing the way data is streamed. They are listed as follows:

1. **Security:** LIFI is bundled with intrinsic security advantages. Thus using this mode of wireless communication helps users to bolster their security significantly. The power to demarcate the network area of a LIFI access point makes it possible to precisely distribute service in work or personal space. Additionally, LIFI technology uses proprietary hardware thus making it difficult for intruders to access the network.

2. **Smart Lighting:** By combining illumination with data streaming, LIFI can be used for promoting smart lighting in cities. Building lights and street lights can be connected to communicate wirelessly.

3. **Healthcare:** Since LIFI does not cause electromagnetic interference, it does not affect sensitive electrical equipment. This becomes very

useful in a hospital setting as LIFI will not disrupt the functioning of medical appliances such as MRI scanners.

4. **Workplace:** OWC technology will significantly optimize the modern workplace. Video conferences, file sharing, intranet infrastructure can be scaled up without compromising the security.

5. **Transportation:** LIFI can be integrated into current systems of transportation. This allows vehicle to vehicle communication thereby increasing the safety of users and can help address traffic congestion in cities.

6. **Smart Cities:** Widespread implementation of LIFI technology in cities can help improve internet services. This will also help in reducing the burden on radio frequencies, thereby improving cellular communications.

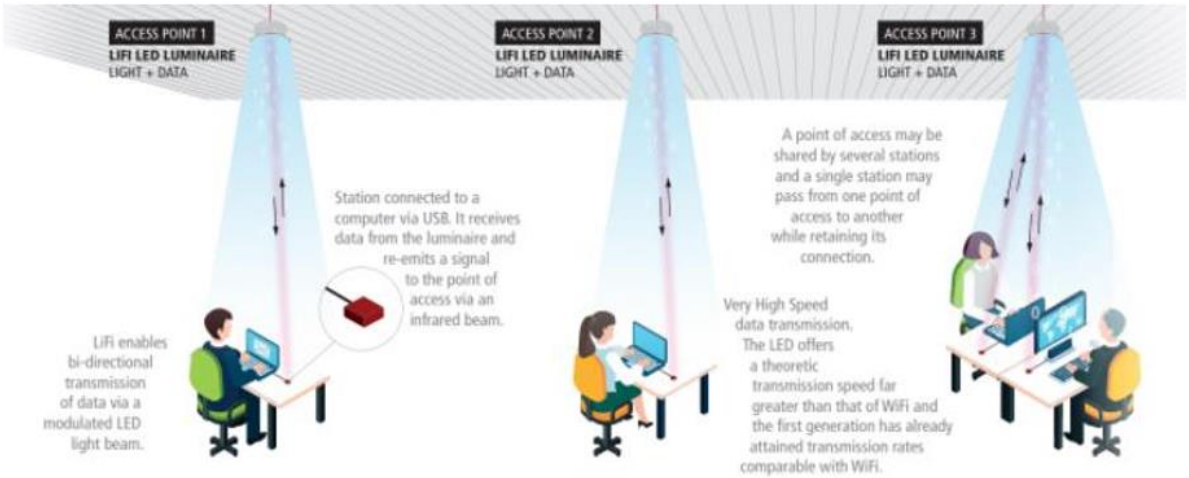
7. **Smart Homes:** With the Internet of Things becoming a reality in modern homes, LIFI can help with addressing the security concerns associated with this segment. It can also help individuals to better secure their personal spaces.

The way forward/ GG's Solution

Historically, the growth in wireless capacity has been implemented by deploying miniature femtocells for mobile networks. LIFI cells are the next logical step in the evolution of wireless communication. LIFI for Indoor Wireless Networking Wireless heterogeneous networks (HetNets) are already a necessary architecture for mobile communications networks, as smaller and smaller femtocells are used to offload and localize traffic.

The simple concept of cell-size reduction has increased the system spectral efficiency by a factor of 2700 over the past 50 years. LIFI is an emerging technology that promises 100 times more capacity. In this context, LIFI is envisioned to fill a complementary role along with femtocells to offload traffic from the mobile base stations. The key to a high-performing system is not merely to increase the link level spectral efficiency. In fact, the most relevant aspect to a mobile vendor is the area spectral efficiency (ASE), that is, what mobile data rates can be offered for each user. In this context, LIFI is shown to provide at least an order of magnitude improvement in the ASE.

In addition, LIFI requires adapting only the frontends and physical layers of typical femto or picocells, while the above lying protocols can remain (fundamentally) unchanged. The Illustration below shows how LiFi works with different access points:



Reference For the Design team
Illumination + Data streaming

1. Bi-directional streaming of data is possible through a LIFI enabled LED bulb

2. The LIFI receptor transmits data between the LIFI LED bulb and the device using an infrared beam
3. LIFI allows data transmission at speeds much higher than traditional WIFI routers
4. One LIFI LED bulb can be shared between multiple users

Visible lights that include the infrared and ultraviolet spectrum, cannot pass through opaque objects, this means that this signal can be contained to a strictly defined area of illumination. In addition to proprietary hardware requirements before anyone can access the system, this defined illumination area allows precise partitioning of any environment. Thus, there are several distinct aspects of improvement with the establishment of this network:

1. The user gains mobility by using a dedicated desktop unit (DU).
2. Since a DU is necessary to access the network, it is easy to monitor and control the activity of users.
3. The chances of users accessing information sent to the network by another user are near impossible.
4. Files entering the network are processed through a location-based “dual-gate locking” system. This helps to identify the source of an attack in case the network has been compromised.
5. Users can access files only if the device is connected to the LIFI network. Once connected to a LIFI network, the user can modify or download files on their devices.

6. LIFI can be used to track and localize every device accessing the network. Thus, LIFI access points can be programmed to activate on a fixed schedule or to a set of users.

7. Since the network access travels with a listed user, it creates a personalized and independent workplace.

8. By analyzing the activity and movement of users, organizations can create predictive statistical models to target user behavior.

Every aspect of the solution increases the network security of the system while increasing the mobility in the system. LIFI can provide the detailed level of information that is required to make effective predictive statistical user behavior models which mitigate the possibility of human error. As the demand increases with the super network's using more and more bandwidth, the need for transmission of data is critical at the high-speed level of light. Artificial Intelligence (AI) requires high speed calculation that only lLiFi can bring to the table. Because the speed of light is the only speed equivalent to real time thinking, OWNii technology will allow (AI) to conduct humanlike thinking and processing.

OWNii Coin

OWNii Coin refers to **Optical Wireless Network Internet Infrastructure**. It has been developed to oversee, develop, and design the physical infrastructure necessary to implement LIFI in the United States and abroad with a special focus on developing countries. Currently, the company, Pure LIFI manufactures and distributes the equipment needed to stream communication through existing LED bulbs but to implement LIFI, installation of this equipment is necessary.

The OWNii Coin will encourage the development of new internet infrastructure in the United States and internationally. It will also create numerous opportunities for employment, business ownership, and entrepreneurial endeavors selling equipment and services. The different sources of revenue fueling the OWNii Coin help highlight its value. The introduction of new technology, infrastructure, products and services will make this coin and ecosystem profitable.

OWNii Coin and the resulting financial capital it generates allows GG the opportunity to build the OWNii Ecosystem and effectively provide the technology to reach the end user and provide opportunities to manufacture and implement LIFI LED bulbs and other accessories. It opens a level playing field for the smaller business owner or entrepreneurial start-ups to get involved at a grassroots level of this opportunity.

OWNii Implementation

OWNii Singapore (OS) and Global Greenology (GG) is strategically creating the OWNii Ecosystem currently. Every OS and GG building will contain LED lighting and LIFI capability along with the other amenities that come standard with all OS and GG structures. Due to the nature of OS and GG's innovative design and building applications, these edifices are constructed at a much

TM

faster rate than the traditional wood framed building. Currently, we are processing orders for two- 55 story residential blocks and one mall in Malaysia, and manufacturing of the building panels for these dwellings has been initiated. These projects will not only provide families access to state of the art high-speed internet services but will also give OS and GG an opportunity to establish our wiring and installation services. Our residential efforts are not limited to buildings we erect; OS and GG will deploy teams designated to conduct energy audits of existing homes and businesses. Energy audits will consist of light bulbs and electrical wiring assessments, energy usage, as well as electricity and internet bill cost analysis.

Phase two of implementation includes expansion of the project to include small municipalities, rural towns and cities with poor internet, cable and cell phone coverage. OS and GG have established relationships with various towns and cities that are interested in transitioning to LED and eventually LIFI.

Redemption of Tokens

OWNii Singapore and Global Greenology's OWNii token holds value because these digital assets are redeemable for various products and services listed below:

- Lighting and internet products such as LED Light bulbs, LIFI Routers, etc.
- Services that range from Fiscal Energy Audits, Residential & Commercial LIFI installation, LIFI consultancy, etc.
- Clothing apparel that includes hats, t-shirts, hoodies, etc and features the OWNii Singapore and Global Greenology logo.

In addition to the redemption of tokens for GG's products and services, tokens can also be redeemed for OWNii coins at a 1:1 exchange rate following the Official OWNii ICO launch. GG agrees to provide the arbitrage gained between pre and post-ICO launch to the early client.

Hypothetical example:

The purchase of 1000 tokens at a predetermined rate of 0.000001 BTC ($0.01) would cost the client 0.007 BTC ($100). The value of the same 1000 tokens after the launch of the OWNii ICO at a value of 0.00007 BTC ($1) would yield 0.7 BTC ($1000) of value to the client, a 1000% ROI prior to public sales. Both the token and coin are redeemable for cryptocurrency following implementation of the ICO. Note: These prices may change as the results of market fluctuations which OWNii coin has no control over.

Trex Chain

TREX has an excellent team with handfuls of experience and in-depth knowledge in the blockchain, AI and IoT industry to provide the best service. Our expertise in blockchain, AI and IoT development enables us to provide custom blockchain based solutions for applications in various industries.

We constantly innovate and implement new methodologies, frameworks and best practices giving our clients the winning edge. TREX’s technical and marketing team is confident to bring you the best products in the shortest span. When collaborating with TREX, you will be working with enthusiastic people, always updated knowledge and catch up with the latest technology trend.

Blockchain

Blockchain’s use extend beyond currency and has begun transforming the way many businesses, industries and organizations function, much like how the internet transformed the news and information industry. TREX offer a wide range of Blockchain services that help organizations to develop distributed ledger technology.

Blockchain's Benefits

Blockchain’s primary benefit is its ability to enable shared records securely over the internet, which in turn significantly improves operational costs for many industries. Furthermore, blockchain significantly improves efficiency by reducing time and errors in logging events, processing transactions while also enabling automation of events utilizing smart contracts.

Other industries that can significantly benefit from Blockchain solutions:

- include insurance
- health care, charity
- real estate
- crowd/venture capital funding
- government services retail
- oil & gas, energy management
- supply chain management
- data management
- system/device management and so many more.

Ethereum is a popular blockchain that boasts of a thriving user base that runs into the millions. Trexchain tokens allow seamless integration into the Ethereum blockchain while also enabling access to other applications. Trexchain tokens are a go-to option for investors as the value of the Ethereum blockchain is on the rise.

What is Cryptocurrency?

Cryptocurrency is a digital asset that uses cryptography to encrypt transactions as well as to control the creation of additional currency units. Since 2009, cryptocurrency development has grown exponentially and now offers a wide range of utilities for users. Bitcoin was one of the first cryptocurrencies to pioneer this technology and has been growing at a phenomenal rate. As of January 2018, there were close to 16.7 million bitcoins in circulation that was valued at a whopping $169.7 billion. With the launch of Bitcoin, other cryptocurrencies also began to emerge such as Litecoin, Ethereum and Dogecoin.

Cryptocurrencies have gained popularity because they work in a decentralized environment and allow faster transactions using a peer-to-peer network. Cryptocurrencies function outside the ambit of governing bodies such as banks and governments. This allows users to transact with one another directly without having to rely on a third-party. When compared to traditional fiat currencies, cryptos protect the anonymity of the users and the transactions are secure. This is because these transactions are facilitated through the use of public and private keys along with minimal processing fees. Experts believe that the value of cryptocurrencies will increase with time as more exchanges occur. Additionally, by harnessing the blockchain

technology, cryptocurrencies can securely store user data and transaction details. Since its very difficult to hack or modify a digital ledger, it becomes a secure storage for cryptocurrencies.

What is Blockchain?

A blockchain is a database that is distributed across a large network. It makes use of a digital ledger that contains transactions and this is shared in the network. Cryptography is used to protect the ledger and users without the need for a central authority. It maintains a continuously-growing list of records (blocks), each containing timestamps and a link to the previous one.

One of the many advantages of blockchains is the ability to independently verify transactions in an anonymous manner. The Blockchain can also process transactions at a much lower cost than banks and credit card companies.

The main advantages of blockchain-based solutions are:

1. **Independent Exchange:** Two users can create transactions without the oversight or intermediation of a third party. This reduces counterparty risk.

2. **Secure Users:** Users are in control of all their information and transactions.

3. **Low risk of failure:** Decentralized networks help bolster the security of blockchains. This is because there is no central point of failure, thus making it durable against malicious attacks.

4. **Immutability and Transparency:** Any change to a record on a public blockchain can be viewed by all users. This promotes transparency in the system. Meanwhile, all records are immutable which means that they cannot be modified or deleted.

OWNii Coin is built and available on a blockchain and is accessible as a DApp (Distributed Application). The main reason for using blockchain technology in the development of OWNii Coin is to provide a decentralized infrastructure that is stable and secure for all the involving parties.

The Growth of Distributed Ledger Technology

A distributed ledger refers to a system that replicates, shares and synchronizes data across a network. A distributed ledger draws its legitimacy from speedily applying changes made by a user to all copies present in the ledger.

The integrity of a distributed ledger is increased when other applications are used to protect them (e.g. smart contracts). Smart contracts use computer language to define the terms to record contracts. Hence, computer systems can process them instantaneously. It is economically viable to form these contracts, as there are low contracting, enforcement, and compliance costs.

Now, the distributed ledger technology is still at a nascent stage and the blockchain represents one of the very first implementations that make use of it. The predictions regarding its development are positive. Many experts are pointing out that the blockchain technology will revolutionize the way individuals are using emerging technology. Large banks and governmental

institutions are working to implement blockchain applications to provide more secure and trustworthy services to their customers.

As the blockchain technology hits mainstream, there are numerous cryptocurrencies that appear each year, all of them competing for the same market. OWNii Coin by Global Greenology and OWNii Singapore is not going to be just another digital currency, as its own philosophy is to create a market share around its core initial users.

Tokenization of Assets

The token sale is a process of generating and selling a new cryptocurrency. By building a smart contract on the blockchain, it is possible to raise and sell coins. The process typically involves lawyers, qualified clients, a final public sale, and a community-building exercise. In this process, cryptographically generated tokens are sold as digital assets representative of a product or service. Tokens can be designated for redemption for virtually anything, for example, free t-shirts on an apparel site or merchandise from a company.

It should be understood that ICOs these days are governed by regulatory bodies such as the U.S. Securities and Exchange Commission (SEC). Many entrepreneurs circumvent this regulation by conducting their sales outside of the country. However, there is not much difference between a penny stock and a token as both of them are based on speculation.

Further, token sales should not be considered as a funding vehicle. While many companies treat them as such — and crow over multi-million-dollar raises that explode in minutes — what they are doing is floating a cryptocurrency on the open market. If structured properly, these cryptocurrencies can increase its value, thus allowing companies access to additional funds for the project.

Initial Coin Offering (ICO)

ICOs are used by startup companies to negate the rigorous of raising capital through venture capitalists or banks. In an ICO campaign, a percentage of the cryptocurrency is sold to early backers of the project in exchange for redeemable goods and services or other cryptocurrencies.

During the ICO campaign, supporters, investors and enthusiasts of an initiative purchase crypto coins with fiat or virtual currency. These coins are referred to as tokens and are similar to shares of a company sold to clients in an Initial Public Offering (IPO) transaction. Early clients in the operation are usually motivated to purchase crypto coins with the hopes that the project becomes successful once it launches. This would lead to a higher value for the crypto-coin when compared to the rate at which it was purchased before the start of the project.

One example of a profitable ICO project that benefited early clients is the smart contracts platform called Ethereum and it's coin tokens are known as Ethers. In 2014, the Ethereum project was announced and its ICO raised $18 million in Bitcoins or $0.40 per Ether. The Ethereum project was introduced in 2015 and since then the value of one ether went up as high to $1,098 with a market valuation of over $10 billion.

ICOs are like IPOs and crowdfunding. Like IPOs, a share of the startup or venture is sold to raise funds for the entity's operations. However, while IPOs deal with investors, ICOs deal with supporters that are keen to participate in a new project much like a crowdfunding event. But ICOs vary from crowdfunding because the investors of the former are motivated by a prospective increase in the value of the coin, while funds raised by the latter

campaign only have a charity value. Hence, ICOs are also referred to as crowd sales.

Conclusion

The OWNii Coin system outlined in this paper revolutionizes the way that consumers illuminate their homes and business, and provides the required lighting standards outlined by EISA. More specifically, OWNii creates wireless communication, that is faster, addresses issues with internet security, allows localization due to the small coverage area of LIFI access points used for precise asset tracking.

Furthermore, providing ubiquitous high-speed wireless access that offers substantially greater data density (data rate per unit area) than radio frequency through high bandwidth reuse.

Finally, the OWNii Coin system capitalizes on the benefits of cryptocurrencies as a medium of exchange. This is because it does not require supervision from a third party or institution to maintain a ledger. This significantly reduces transaction costs and increases the feeling of security among customers.

The technical infrastructure and elements required to implement the OWNii Coin system are in place and ready for execution. The only real challenge is its dissemination. Global Greenology's introduction of the OWNii Coin system has the potential to compete with the current wireless communication systems with a eco-friendlier and sustainable one.

Road Map

Year One

- Launch ICO
- Float Private Placement Memorandum (PPM) for the utility company, OWNii ENERGY
- Create awareness and generate interest in LIFI technology

Year Two

- Trial runs of OWNii technology aimed at homes and businesses
- Test the compatibility of LIFI in an Internet of Things (IoT) setting

Year Three

- Develop LIFI compatible devices
- Integrate LIFI technology into consumer devices such as computers, televisions, CCTVs, fridges, smart speakers and more.

Year Four

- Develop internet connectivity based on OWNii technology
- Place towers and Low Earth Orbiting (LEO) satellites to allow high-speed LIFI connectivity throughout the United States

Year Five

- Make LIFI internet available for commercial consumption
- OWNii ENERGY will function as an Internet Service Provider (ISP) as well as a distributor of LIFI devices and accessories.

Note: *Please refer to Annexure I of this white paper for an elaborate description of the road map.*

Tokenomics

Fact Sheet (GFX)

AAA

Allocation of Funds (GFX)

AAA

Token Allocation (GFX)

AAAA

Annexure I: Road Map

Global Greenology has developed a strategic, long-term plan to introduce and implement LIFI technologies and infrastructure through the OWNii Coin.

Year One: Launch of ICO; PPM for OWNii ENERGY

The first year will begin with the launch of the ICO for OWNii Coin. Additionally, emphasis will be placed on floating a Private Placement Memorandum (PPM) for the utility company, OWNii ENERGY.

Conventional wireless communication options such as WIFI and cellular use radio waves to transmit data. These are often limited to a radio frequency band range and use infrastructure such as routers and femtocells to boost the signals. With increased internet penetration, the demand for data is growing at an exponential rate. Traditional wireless communication platforms are finding it difficult to meet this demand. Since, radio frequency based communications transfer data electromagnetically, they are prone to interference. Additionally, it is easier to intercept WIFI and cellular signals thereby compromising the user's privacy and data.

Light Fidelity or LIFI is an emerging medium in wireless communications that uses visible light to transfer data at very high speeds. In a laboratory setting, LIFI could reach speeds of upto 224 Gbps, while in a realistic setting, LIFI boasted of a speed of 1 Gbps, which is 100 times faster than WIFI. Meanwhile, LIFI can be transmitted using LED bulbs thus ruling out the need for additional infrastructures such as routers or femtocells. This also makes LIFI an eco-friendly and power efficient alternative. OWNii Coin has been developed to promote and implement this futuristic technology.

OWNii stands for **Optical Wireless Network Internet Infrastructure** and promises to transmit data at lightning speeds. The OWNii Coin will oversee, develop and design the necessary infrastructure required to implement LIFI in the United States and other countries. Currently, the Pure LIFI company manufactures and distributes LED bulbs needed for streaming data, however, to properly implement LIFI, installation of this equipment is necessary.

Year Two: Testing of LIFI for different target audiences

The second year will emphasize on testing the application of LIFI in different settings such as homes and business. Likewise, the viability of LIFI will be tested in the Internet of Things (IoT) setting where one internet network should be able to cater to the demands of multiple devices. The Internet of Things enables devices to communicate with each other and relay the information back to the user. As the IoT is becoming a common feature in smart homes and offices, LIFI promises a reliable network. OWNii Coin will help create this superhighway for data transfer, with maximum security.

Year Three: Develop LIFI devices for end users

The third year will focus on researching and developing LIFI enabled devices targeted at homes and businesses. Recently, Apple announced the development of a LIFI-enabled iPhone. This has created a lot of interest in integrating LIFI into other consumer devices such as computers, televisions, CCTVs, fridges, smart speakers and more.

Year Four: Launch infrastructure for LIFI internet connection

Once the popularity for LIFI enabled devices is established, we shall shift our attention to developing appropriate internet connections that will allow these

devices to utilize their full potential. Towers and Low Earth Orbiting (LEO) satellites will be launched to facilitate high-speed LIFI connectivity throughout the United States. The capital generated by the OWNii Coin will go towards funding all phase of the OWNii ecosystem. Once this phase has been completed, existing users of LIFI technology will gain access to superior internet speeds. Additionally, with LIFI connectivity now easily available, it opens a new market comprising of small, micro and medium businesses as well make it a viable venture to manufacture LIFI-enabled LED bulbs and other devices.

Year Five: Make LIFI internet available for commercial consumption

The fifth year of this project will focus on making LIFI internet available for commercial consumption. OWNii ENERGY will establish itself as a premier internet service provider of high-speed LIFI connections as well as a LIFI-enabled accessory.