



Litepaper

Introducing A Truly Wireless World.
No Wires. No Batteries. No Limits.



Disclaimer

This Litepaper provides an overview of Voice Life's continuous wireless power system which utilizes ambient terahertz waves, blockchain technology and artificial intelligence. Please note that the confidential information regarding some of our technologies, business models and strategies has been excluded from this version, and the full Whitepaper is restricted to the general public.

The information presented in this Litepaper is intended to serve as proof of concept which outlines previous milestones and future development goals for our project. However, this information does not constitute a binding commitment and we reserve the right to modify our plans at any time.

It is important to note that any references to specific companies or platforms are provided for illustrative purposes only and do not imply any affiliation or endorsement. Additionally, this is not a prospectus or a solicitation for investment.

Please do not rely solely on the information provided in this Litepaper when making a decision to purchase Voice Life Fractional Non-Fungible Tokens (F-NFT) or Voice Life shares. The product development, features, functionality, and the timing of product launch and IP licensing are subject to change and are at the sole discretion of the Company, the licensee, distributor or their respective affiliates.

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1 Introduction

1.1 About Voice Life

Voice Life was founded in 2015 with the ambition to create voice-controlled environments that would change the way we interact with electronic devices. However, the company quickly realized that there was a need for a secure, clean, continuous and large source of power to allow such technology to be efficient. This same hurdle has caused numerous technology companies to focus on enhancing battery capacity. Voice Life, on the other hand, looked to solve this problem utilizing a different approach. Rather than continuously push the limits of conventional batteries and limit the capabilities of portable electronics, Voice Life set out to produce a wireless, limitless, sustainable and self-generating energy system. The Company identified that this system must not compromise the user's mobility or their ability to use their device, something current charging solutions do not provide.

To achieve our goal Voice Life conducted a vast literature research that set the foundation to: (a) the creation and filing of the Voice Life patents; (b) the development of several generations of prototypes and; (c) our proof-of-concept product. During this near decade long mission, the Company identified several important facets that are vital to its self-generating energy system and product development:

- Graphene as a superconductive 2D material
- Integration of other superconductive advanced materials
- Ambient terahertz waves and quantum field energy transmission
- Advanced 3D printing circuit development
- Advanced circuit development with Artificial Intelligence (AI)

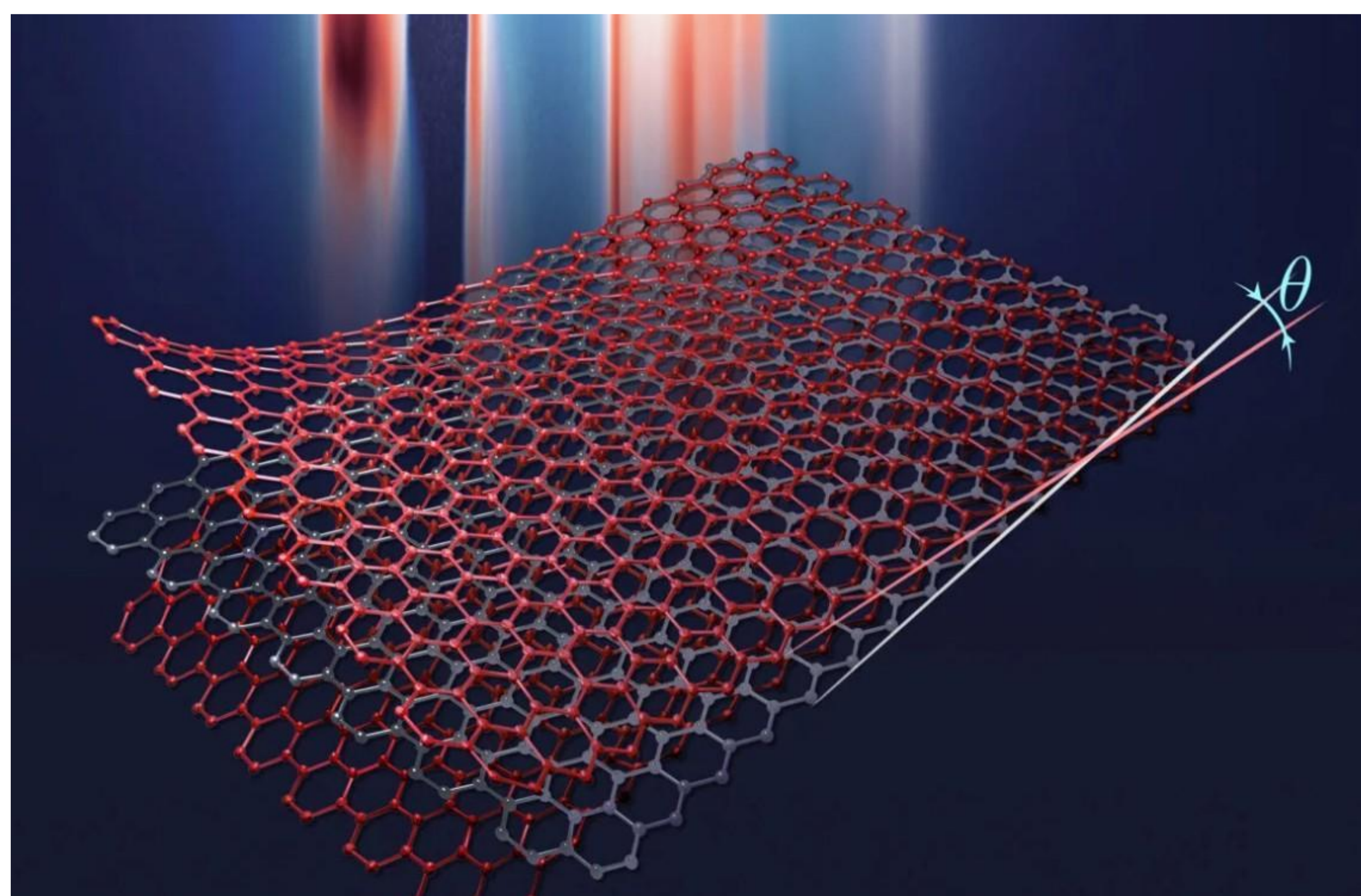


Figure 1: Superconductive state of graphene in a trilayer assembly

1.2 The Problem

Demands and dependency on portable electronic devices in our daily lives continues to expand, more notably with the introduction of IoT, metaverse, artificial intelligence and satellite connectivity. Thus, our electronic devices are using more power than ever. Furthermore, the desire for these electronic devices to become smaller, more numerous and more portable highlights the problem at hand.

Currently, the use of mobile batteries or shorter-range wireless charging solutions are inconvenient and challenging. The end user may face instances where there is no available means to charge the electronic devices, significantly impacting their use and portability.

Although the battery capacity and density has improved to cope with advances in smart devices, it is worth noting that most devices are still charged by the same means as their historic predecessors. At Voice Life we believe that our wireless energy system can unlock the true potential of portable electronic devices.

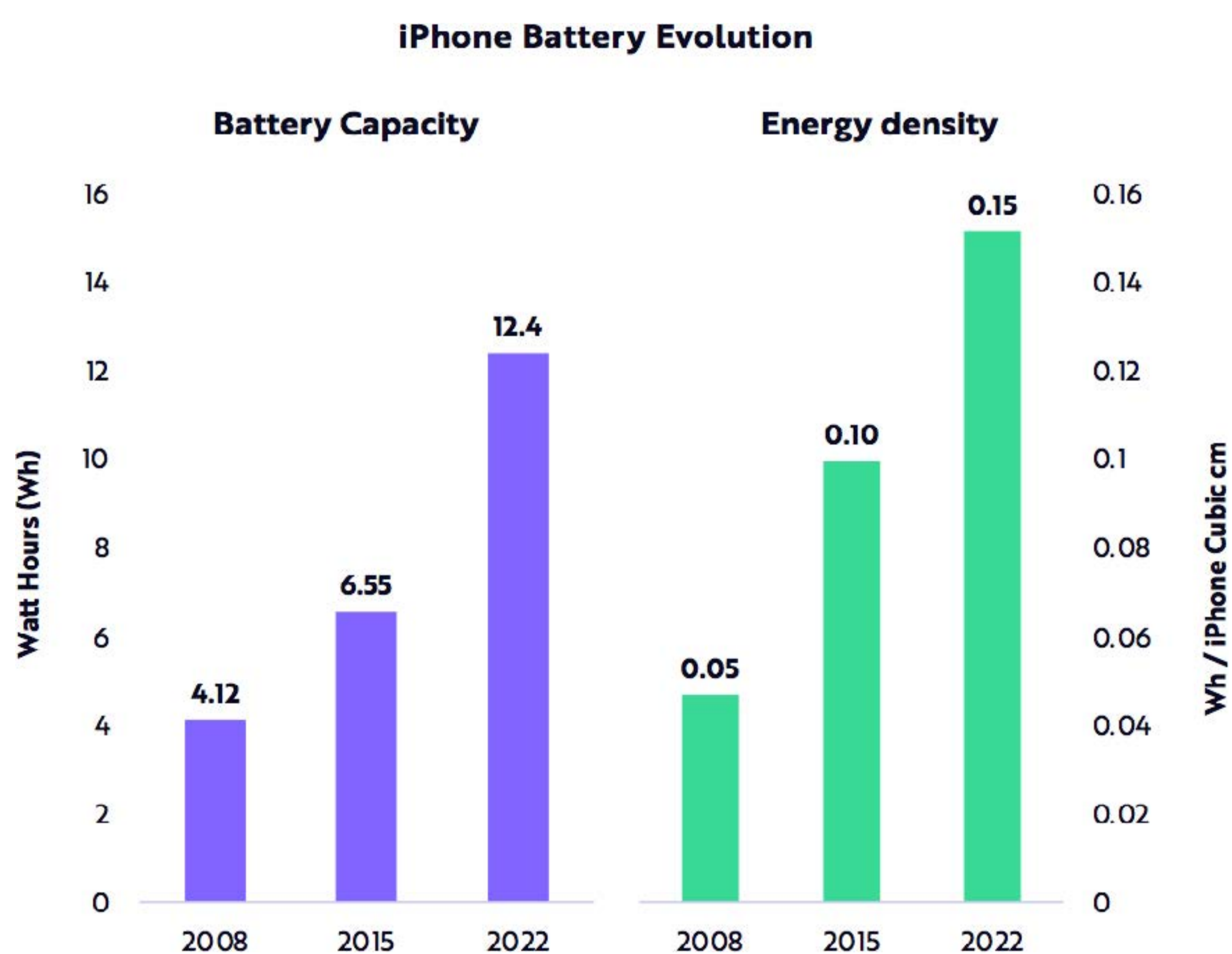


Figure 2: Chart displaying the evolution of iPhone Batteries.

1.3 The Historical Milestones

Voice Life has successfully developed three generations of prototypes. The features and limitations of these prototypes have played a major role in our development of a truly wireless charging system. These prototypes were imperative for the Company to be able to make major technological breakthroughs and thus patent the Self-generating Energy System. These development milestones were the basis for the creation of its 4th generation proof-of-concept and product.

Generation	Key Features	Limitations
Gen I	<ul style="list-style-type: none"> Graphene smartphone add-on accessory case Ability to utilize energy across multiple 2.4 GHz and 5.8 GHz Wi-Fi channels 	<ul style="list-style-type: none"> The prototype was unable to harvest energy efficiently The ability to use phone was limited Minimal practical application
Gen II	<ul style="list-style-type: none"> Unique portable charging device Associated recognition app 	<ul style="list-style-type: none"> This portable charging device is the same size as a typical smartphone Size constraint limited functionality Unstable and inefficient charge
Gen III	<ul style="list-style-type: none"> Enhanced energy harvesting Enhanced energy transmission A rapid smartphone charge 	<ul style="list-style-type: none"> Energy transmission is still limited to provide a stable and fast charge Restricted functionality Limited practical application

Table 1: This table gives a snapshot view of the company's historical prototypes and their features as well as limitations. Please note this is a very brief overview for the purpose of this Litepaper and thus more thorough literature is available with regards to each generation respectively

In addition to the first, second and third generation proof of concepts, another critical component of Voice Life's wireless power transfer technology is the MIMO antenna array. Multiple-input and multiple-output (MIMO) advanced antenna array techniques makes it possible to achieve successful wireless charging links. The Voice Life MIMO antenna design is specific to each case, and the antenna beam patterns are optimized to allow more wireless users to benefit from wireless power transfer.

2 The Fourth Generation

2.1 The Gen IV Proof of Concept (PoC) / Product

The 4th generation PoC is by far the most technologically advanced milestone in the company's history and incorporates a 3D-printed graphene terahertz circuit, ultimately allowing clean and limitless energy to power smartphones and other electronic devices. The development of a state-of-the-art circuit utilizing: (a) graphene and other advanced materials; (b) terahertz waves; (c) quantum information science and; (d) artificial intelligence, has seen the Company patent a one-of-a-kind technology capable of providing a wireless power transfer that is both continuous and self-generating.



Figure 3: Image showing the PowerCoin



Figure 4: Image showing PowerCoin on an Apple iPhone 14 Pro

As a proof-of-concept product the Company is developing a PowerCoin. This product will ultimately provide a wireless charge to any smartphone device and eliminate the need for cables and complicated installation procedures. The powering of devices is as simple as placing the PowerCoin on any smartphone that has near field communication (NFC) charging capability. The PowerCoin will provide a charge no matter the time, place or device.

The use of 3D printing technologies is also notable as it automates the full product cycle from design to production. The use of a vertically stacked integrated circuit design improves the speed and efficiency of energy generation, resulting in higher energy yields and lower production costs.



Figure 5: PowerCoin placed in charging position on an Apple and Google smartphone

2.2 The Technology

The Fourth Generation product of the Voice Life wireless charging technology is result of three major technological breakthroughs:

1. Graphene Super Material

Acting as a protective layer the graphene displays flexibility and great strength (200 times stronger than steel), superconductivity when stacked at the 'magic angle', and provides stability to the product by absorbing heat.

2. Quantum Energy Field

Provides the self-generating energy source for the wireless charging system. The quantum energy field can produce a plethora of electromagnetic waves because of the blackbody radiation phenomenon.

3. Advanced Terahertz Circuit

Capable of capturing the electromagnetic waves and filtering them into a usable wavelength of Terahertz waves. Thanks to our patented antenna we can convert these waves into usable energy.

Additionally, Voice Life adopted the already well-known Qi charging standard, used by all major smartphone companies including Apple, Samsung, Google and Huawei, to transmit this power to the receiving smartphone device. Thus, our fourth-generation product will provide a charge to electronic devices with no additional applications or complicated installation procedures.

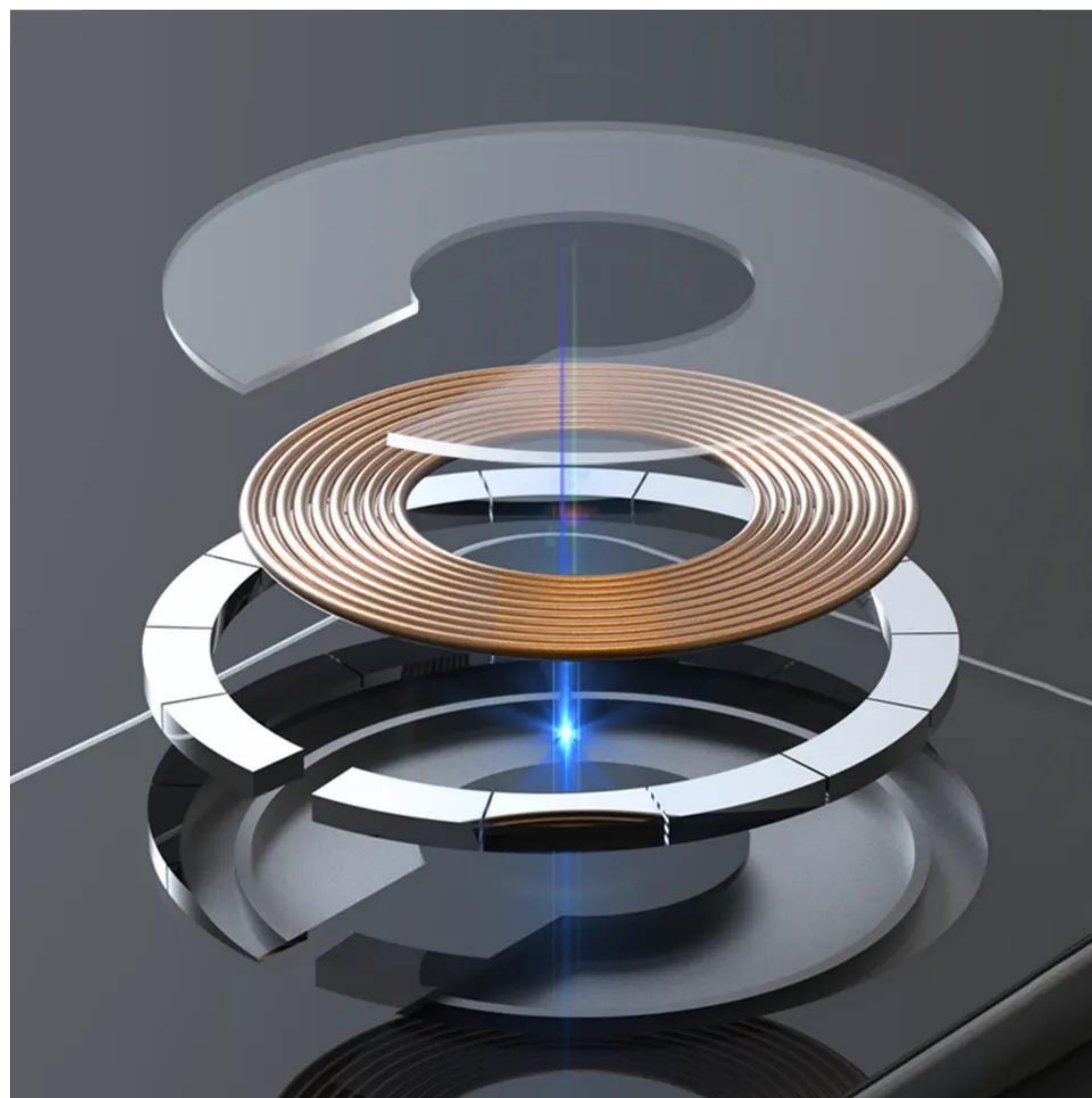


Figure 6: PowerCoin Components

2.3 The Intellectual Property (IP)

During the development of the 1st to 4th generations of prototypes Voice Life employed numerous patent data search engines and concluded that our hypothesis of creating a “special transceiver utilizing terahertz frequency waves to facilitate charge” was not only unique, but groundbreaking. Thus, in 2017 the Company initiated a rigorous IP technological advancement strategy through selective filings of multiple patents with individual patent offices globally.

As a result of this proactive prioritization of securing the Company's IP Voice Life currently holds:

6 US Granted Patents

18 International Granted Patents

Including the large markets of Western Europe, China, Japan, South Korea and Australia.

These patents provide a competitive advantage for the Company and serve as a barrier to entry for competitors who may try to replicate or imitate our patented technology. This provides Voice Life with an enviable position acting as gatekeepers to a truly disruptive form of technology - **any organization that wishes to use this technology must license from Voice Life.**

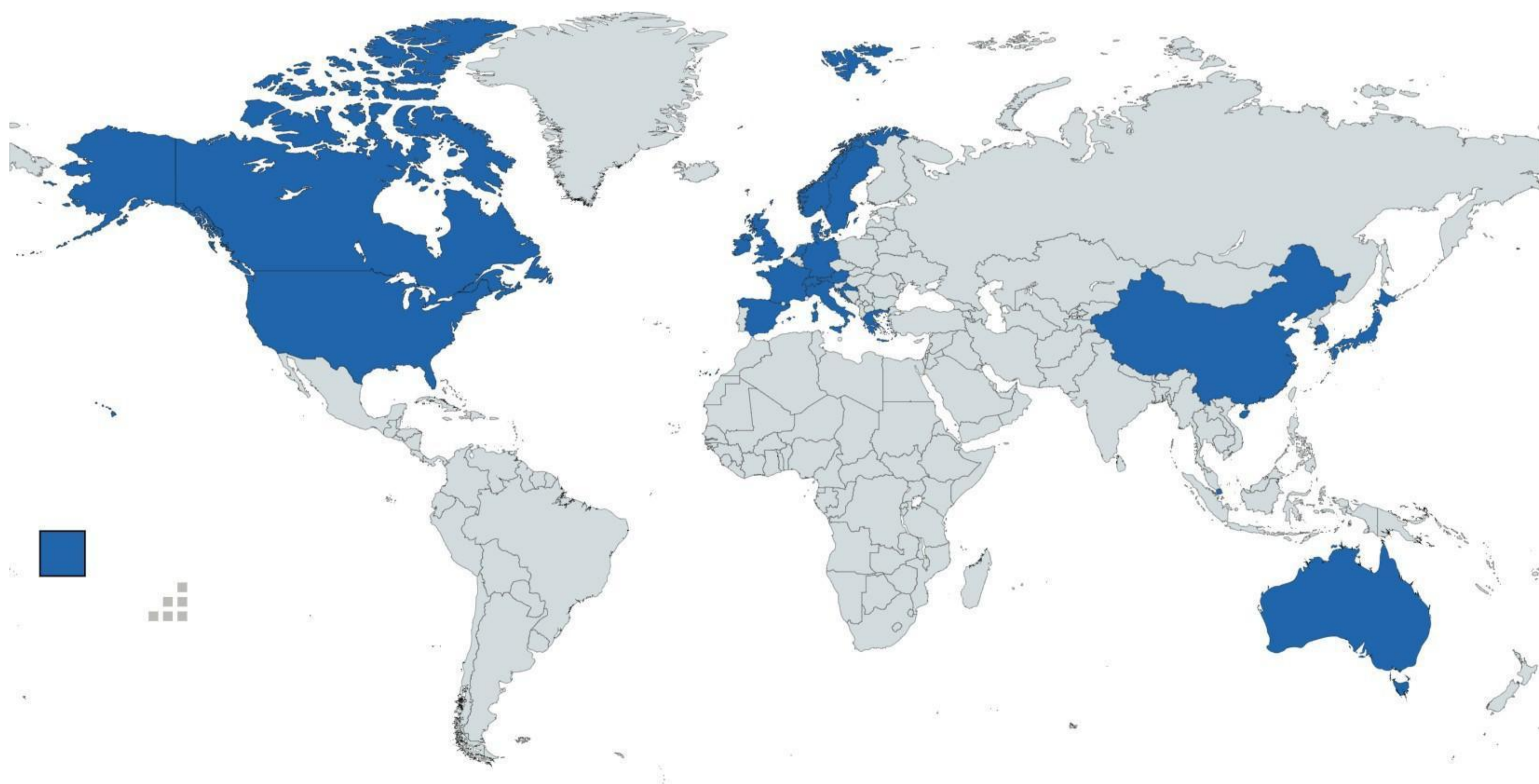


Figure 7: A visual representation of the global coverage of Voice Life Intellectual Property Portfolio

2.4 The Licensing Model

Voice Life will generate revenue via upfront licensing fees and royalty fees. The Company has concluded that because of the unique and groundbreaking IP strategy, the most ideal route to the market is via this IP and technology licensing approach.

This will ensure an introduction of capital initially and a consistent revenue from royalties. Given the complexity of formulating deals with multiple companies Voice Life will have to be flexible with regards to the structure of any licensing deal. The Company will have to consider several factors regarding any potential licensing agreement and must uphold to FRAND (Fair, Reasonable and Non-Discriminatory) policy, as well as Competition Laws.

Licensing of essential patents amongst technology companies is commonplace, with many examples. However, finding case studies of licensing agreements with verified figures can often be challenging due to confidentiality clauses, complexity, lack of publicly available information, and long-term timeframes. Companies may not disclose financial information related to licensing agreements, and the agreements themselves can be complex and involve multiple patents, technologies, and payment structures. This can make it difficult to determine the true value of the agreement or compare it to others.

Nonetheless, figures are reported via the media, with some listed below for speculative purposes:

- Nokia & Apple (2017) - **\$2 Billion**
- Qualcomm & Apple (2019) - **\$5-6 Billion**
- Qualcomm & Huawei (2019) - **\$1.8 Billion**
- Qualcomm and Xiaomi (2018) - **\$1.5 Billion**
- Nokia & Samsung (2013) - **\$2.2 Billion**

It is important to note that licensing agreements for Standard Essential Patents (SEP) are often subject to non-disclosure agreements, which means that the financial terms may not be publicly disclosed. The above figures have been reported by the media and are not confirmed.

3 The Investment Opportunity

3.1 The Voice Life F-NFT

As a technology company, Voice Life prides itself on being innovative and this does not just include its technology. Voice Life established a new method for sharing ownership of its intellectual property (IP), namely the F-NFT. In 2022, Voice Life minted 5,000 F-NFT's (this is a hard limit with no possibility of any further F-NFT's being minted). These 5,000 F-NFT's represent 15% ownership in Voice Life's IP outlined in section 2.3. This tokenization of a substantial patent portfolio allows easy access for investors. Voice Life began selling these F-NFT's via a public sale of 350 on the Binance NFT marketplace, followed by a private round where 650 F-NFT's were sold to investors throughout 2022.

This innovative idea of tokenizing IP in the form of an NFT has allowed the company to raise funds to further its technological advancements, whilst also allowing investors to own a part of a major patent portfolio which oversees a truly disruptive technological advancement.

The current price of one F-NFT is \$3500 and it is expected that the price will increase with each new round.

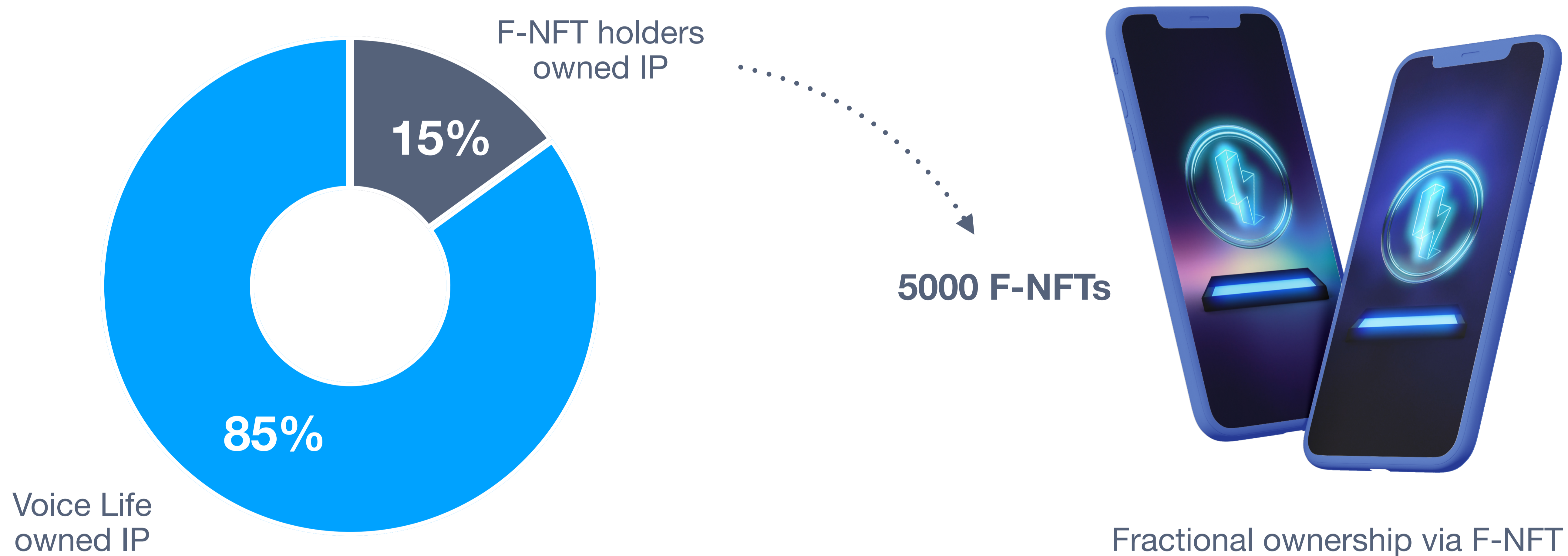


Figure 8: Visual Representation of the Fractional ownership model offered by Voice Life.

3.2 The F-NFT Passive Income

The owners of Voice Life F-NFT will receive up to 20 years of passive income through licensing royalties and other forms of income generated by the company. Via a tailored smart contract all F-NFT holders collectively will receive:

- **15%** net profits of all up-front licensing fees
- **15%** net profits of product royalties associated with licensing agreement
- **15%** net profits of Voice Life’s first commercialized product
- **15%** net profits of Voice Life’s F-NFT platform licensing fees

Voice Life’s success will be largely due to the support of early investors and when considering Company’s devised licensing strategy, we project an excellent return on the purchase of an F-NFT. For example, if Voice Life were to agree to a licensing fee of \$100 million with Company A, this would correspond with a passive income payment of up to \$3,000 to each F-NFT holder.

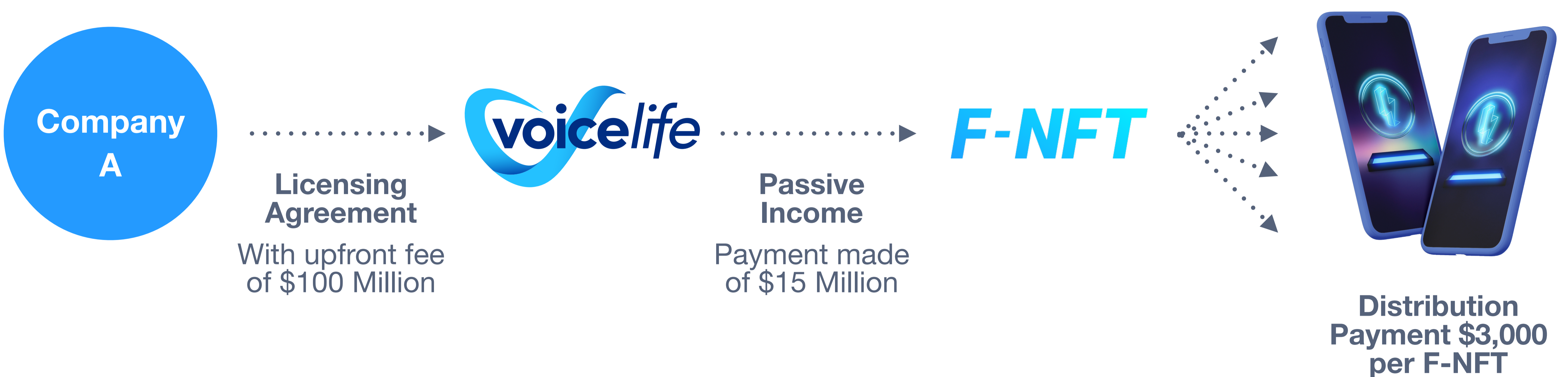


Figure 9: Illustration of an example distribution based of one licensing agreement between Voice Life and Company A.

It is important to note that any licensing agreement is also likely to include a royalty structure to ensure Voice Life benefits from the technology’s ongoing success and widespread adoption. This benefit will also extend to the F-NFT holders who collectively will be entitled to a 15% share of any royalty received.



Figure 9 and 10: Illustration of the distribution of royalties related to products developed by Company A.

3.3 The Share Offering

To participate in our private Series A funding round please contact our team by email:

General inquiries: info@voicelife.io

CEO: roberts@voicelife.io

COO: mihael@voicelife.io

Series A Funding Round

Use of Funds:

- **Product Launch and R&D**
- **Operations**
- **Capital Expenditures**
- **Sales and Marketing**
- **IP Development**

Pre-seed and Seed Funding Rounds - Closed

We have raised \$2,800,000 through Angel Investors and Accelerator/Incubator at UCLA.

The raised capital was used to achieve these key accomplishments:

- **6 US granted patents** and **18 international patents**
- Produce three generations of prototypes
- Design all schematics for Gen IV prototype with mechanical graphene circuit components and detailed specifications for a graphene prototype enclosure
- Hire consultants, industry experts and professionals

4 The Revenue Allocation

At the start of 2022, Voice Life looked to raise funds with its innovative F-NFT model to push forward the 4th generation technology development, as well as other business endeavors.

Originally, it was estimated a total of \$22 million was needed for Voice Life to fund 18 months of runway, including but not limited to: (a) Product launch and R&D; (b) Operations; (c) Capital expenditures; (d) Sales; (e) Marketing and; (f) IP development. However, throughout 2022 and the early stages of 2023 the Company has been able to form extremely advantageous business relationships, as well as major technological breakthroughs, thus lowering the amount needed to fund the 18 months runway to \$14 million.

We aim to fund the Company's 18 months runway substantially with company revenue, which will potentially include: (a) F-NFT sales; (b) F-NFT platform licensing fees; (c) Hex Carbon Tech revenue; (d) IP licensing and; (e) Product sales.

Therefore, Voice Life is now raising only \$3.3 million to fund the next technology development phase which includes:

- 4th Generation Proof of Concept Product Development - **\$1,950,000**
- General Admin & Operations - **\$500,000**
- Marketing, Licensing and Legal - **\$400,000**
- Intellectual Property Development - **\$250,000**
- F-NFT Platform Improvements & Maintenance - **\$200,000**

Any additional funds raised will be kept as reserves to maintain Company health during its pre-revenue phase. Voice Life now strategizes to transition the company from pre-revenue to profitability via the previously described Licensing Model (2.4). Therefore, it is paramount to effectively raise funds and prepare for all eventualities. Ultimately, it is believed that with the development of the ground-breaking Voice Life wireless energy system, the Company has a flagship towards long-term profitability.

5 The Future Milestones

Voice Life is focused on the development, application and use of our technology. It is a major priority of the Company to further establish its place and interface with some of the most innovative companies in the world, whilst further strengthening its patent portfolio and thus the strength of the Company's IP and technology.

Some notable target milestones include:

- **Development of the 4th generation PoC**
- **Full development of the self-generating energy system**
- **Transition into direct integration of technology into devices**
- **Scaling the technology to support devices with a larger load demand**
- **Application into other sectors e.g. drones and tablets**
- **Licensing of technology to companies; including but not limited to the 50+ companies currently in dialogue with Voice Life and under NDA**
- **Further solidify intellectual property with initial US patents 7 and 8**

Voice Life also aims to further grow as a company by adding members to its team in key areas, engaging in Morgan Stanley enterprise upgrade and making the Company IPO ready.

6 The Team

Robert Smith – Founder / President / CEO

Robert has more than 35 years' experience and has advanced knowledge and skills necessary for conceptualizing, designing, implementing, and managing complex systems and networks. The combination of his graduate professional coursework and real-world work experiences has provided him with the foundation and expertise in understanding processes by which complex networks and systems are conceived, planned, designed, built, tested, and certified.

Robert received his Bachelor of Science (B.S.) in Pre-Law in 1979 Eastern Michigan University (EMU) and went onto the University of Southern California (USC) where he took graduate and professional coursework at the Viterbi School of Engineering with focus on Aerospace & Mechanical Engineering. Robert's studies also included graduate work at USC Marshall School of Business and worked on his Master of Science in Entrepreneurship and Innovation. He also did research at the UCLA California NanoScience Institute (CNSI) beyond CMOS, developing new graphene materials that enable vastly more powerful 3D printed flexible circuitry.

David L. Lark – Co-Founder / Executive VP

David is an entrepreneur, researcher and a physician based in California, USA. He has been working with Robert on technology development and innovation for the past 17 years. He has more than four decades of a diverse international professional career which has included international business creation and development, multiple diverse scientific endeavors resulting in a variety of patents, multiple scientific peer review and consultant roles, multiple medical administrative responsibilities, and a multi-year focus on the creation and development of the Self-generating energy system. These experiences were based upon a science and math education, a Northwestern University Medical Degree, a Stanford University PhD, various fellowships and an international business degree. As a Co- Founder, David has been involved in all aspects of Voice Life, including but not limited to, technology creation and short/long term strategies.

Mihael Radoslovic – Chief Operating Officer

Mihael was born in Rijeka, Croatia, finishing his education as a mechanical engineer. He worked as an offshore mechanical engineer for 15 years, where he was responsible for a team of engineers. However, a couple years ago he decided to focus on what he is most passionate about - changing the world for the better with new and advanced technologies.

Mihael is a member of both Verge and Voice Life teams. As a true believer in decentralized and open-source projects, Mihael joined the Verge community in early 2017. He quickly realized he could support the project from within the team by managing the internal team activities and communications. He joined the Verge Executive team in the beginning of 2018 where he has volunteered as COO for Verge Currency until today. In September 2021, Mihael joined Voice Life as COO where he oversees all aspects of the project and coordinates various departments to ensure all projects are delivered on time. He enjoys working with other individuals and teams on providing the latest technologies and inventions to the world.

6 The Team

Logan Jenkins – Graphene Expert

Based in Wyoming, USA, Logan Jenkins work in energy began in 2015 with the American Energy Society in Palo Alto, CA. His primary work was researching and validating new clean technologies in the energy sector. In 2017, he started Pheneovate, an advanced materials company specializing in graphene, a carbon material derived from graphite with thousands of potential applications in emerging technologies. By 2018, products tested and validated by his team could be purchased by researchers, entrepreneurs, and industry professionals worldwide. His work with Voice Life began later that year, as he sourced material for early prototypes, researched global battery technologies, and potential applications for the wireless charging system worldwide.

In 2022, Pheneovate was acquired by Voice Life, and he joined the team full-time. His work in graphene materials and the global energy sector, coupled with over three years working with the Voice Life team, provides the company with a knowledgeable leader to further develop the wireless charging system and components.

7 The References and Appendices

The data and references that support the research, descriptions, explanation, and findings of this Litepaper are publicly available in the Voice Life patents and can be found via:

<https://uspto.report/Company/Voice-Life-Inc>

Any additional references and appendices are excluded in this public version of the Litepaper and are considered confidential as they refer to (future) developments that are not yet public.

The full version of the Whitepaper is exclusively available for Voice Life's partners under strict NDA and upon reasonable request.