BitWings
coins virtual money

SECURE CONSUMER ELECTRONICS
FOR THE BLOCKCHAIN ERA

White Paper
Created by the WINGS MOBILE Team

SUMARIO

WINGS MOBILE is a differential project supported by the following pillars:

● The internal analyzes and opinion surveys to users of over a dozen countries are the basis for this entire approach. The project came about not from the theoretical sophistication of an idea, but from the practical application of an innovative solution to a market segment unattended by the big players, whose enormous customer base slows down the responses needed by society.

● It covers a market area of enormous dimension and dynamism, like that of secure mobile communications and transactions, a true cornerstone of a growing transactional system.

● It identifies the creation of value in the reference market by combining:

- High-tech for all at affordable prices

- An economic approach with social content,

- Allowing customers to participate in the business through a decentralized distribution and marketing model.

- Promoting local production centers, avoiding cost overruns associated to tariffs that penalize the lower purchasing power of certain regions (Latin America).

● The initiative is led by a multidisciplinary and international team with ample experience in the management of business projects. The milestones of the project are perfectly identified and chronographed.

● It is based on a state-of-the-art technology that is largely operational or in its final stages of development. It is not an idea waiting to be concluded with the financial help of an Initial Currency Offer (ICO), but rather: it is an ongoing true innovative ecosystem whose acceptance is requiring a speed of implementation only attainable from the reinforcement of the ICO.

● Being fully knowledgeable about the importance of protecting the security and privacy of its customers and affiliates, the commissioning of WINGS DATA, a powerful Datacenter located in the Republic of San Marino, is another hallmark of WINGS MOBILE ecosystem.

2.1   About WINGS MOBILE

WINGS MOBILE is a mobile network operator, a software developer house and, finally now a producer of electronic products. Thanks to this triple activity, combined with a sophisticated sensibility aimed at cutting edge leadership, it perfectly links the current needs of users with technological innovation, providing solutions and unique products in the world.

Since its foundation in 2007 until 2016, it has been competing in the wholesale Business To Business (B2B) market, offering its services to the main telecommunications operators such as: Ono (nowadays Vodafone), Jazztel (Orange), Tata, Belgacom, and many others.

In 2017, the organization decided to enter the Retail market, directly distributing its services and products to the end customer and, creating its own distribution system. This possed an enormous challenge for a little-known brand, in a traditionally controlled area by large-scale distributors that preferred established and demanded brands.

WINGS MOBILE has been establishing itself and expanding thanks to a perfect commitment between quality, innovation and price. With results that have already helped them earned the ALCI AWARD as "Best Technological Design", given on May 18, 2017 at the Santiago del Bernabéu Soccer Stadium (Real Madrid).

Among the recipients of the 2017 edition, it included the King Emeritus of Spain, D. Juan Carlos I de Borbón, who received the ALCI HONOR award; the Real Madrid Soccer Club, honored with the ALCI Architectural Design award for the design of the new Santiago Bernabéu stadium, which was picked up by its director of institutional relations, the famous former player Emilio Butragueño.

Other winners included Cristiano Ronaldo (he received the ALCI SXXI icon), Enrique Iglesias (ALCI Music Award), La Union (Vintage Music), the Spanish Swimming Federation (Atrévete Program), Pedro Pablo Parrado (Communicator), Agatha Ruiz de the Prada (Fashion). Baroness Thyssen (Art), Patricia Rosales (Luxury Design) and Lorena Morlote (Beauty).

WINGS MOBILE received the award for best Technological Design, due to its state-of-the-art smartphones.

2.2 A differential project: milestones

The WINGS MOBILE business model is based on two fundamental pillars: fast development and execution.

The world of technological innovation unfolds in a context of continuous and accelerated changes, more intense than in other economic sectors. One month in the technology sector is equivalent to one year in the industrial sector.

The WINGS MOBILE team participates in this philosophy and knows about this very well, since it comes from the technological environment.

On July 1, 2017, the WINGS MOBILE project was launched at the Plaza de Barcelona Hotel. The new family of products was officially released on December 9, 2017.

In just 12 months since the product launch, WINGS MOBILE has created a range of high demand services (and huge potential market), it launched a new distribution formula to compete with conventional models that are filled in the telecommunications sector and, finally, a range of cutting-edge and innovative products that incorporate unique technological advances, suitable for a new era of communications and transactions under secure environments:

2.2.1 Services

- **WINGS MOBILE** – A virtual mobile network operator in Spain, with high competitive packages both in voice services (national calls, international calls - avoiding the extra costs of roaming in over 60 countries) and data.

- **WINGS ENERGY** – Retail energy retailer, offering electricity and natural gas supply services to companies and individuals.

2.2.2 Distribution System

- **WINGS SOCIAL MARKET** - As detailed later on (in point 6 of the Whitepaper), the business expansion is based on an original distribution system that combines ''decentralized'' (any client can participate in the business by prescribing to Wings solutions) with ''global'' (a flexible policy of ''distribution zones'', providing active entry to online media), based on the concept of Social Media and an exclusive affiliation program.

- **WINGS STORE** – The decentralized model does not exclusively imply cultivating the Online market. There is, on the contrary, a plan to extend a complete network of Technology Stores for the sale of Wings electronic products and mobile services; different type of stores and dimensions, in which the investor risk of the affiliate is minimized, as we will see later on.

2.2.3 Products that have been already developed and that are available in the market.

WINGSPHONES:

- **Wings W2** – First low cost hybrid phone (VoIP / GSM) (2017)

- **Wings W5** – First hybrid phone (VoIP / GSM) with "premium" features at a "mid-range" price (2017)

- **Wings W2+** - Hybrid phone (VoIP / GSM) with a fantastic design and quality features at a very affordable price. (2018)

- **Wings W5+** - Hybrid phone (VoIP / GSM) with the most advanced photography system on the market, a cutting-edge and seductive design (full glass); at an affordable price (2018).

WINGSBOOK:

- **Wings Book** - First laptop with Wings Suite technology available in three sizes: 14", 12", 13,3" (2017)

- New evolved version of **WINGSBOOK** (2018)

- **Wings Book 14" NEW**, with bezel less screen (without frame), and Wings Suit & Wings Defender technology

- **Wings Book 11.7" POP NEW**, with a 360-degree touch screen and Wings Suit & Wings Defender technology.

- **Wings Book 15.6 XL**, the most powerful Wingsbook laptop, with Wings Suit & Wings Defender technology.

2.2.4 Developed Software and Technology

©WINGS SUITE™

Wings Suite is a unique application designed for all simultaneous PC and mobile users, or who find themselves with low mobile power. Wings Suite allows users to transfer all WINGS PHONE functions, directly on the laptop (WINGS BOOK), including GSM calls from any mobile carrier.

©WINGS GUARDIAN™

Wings Guardian™ is a security system that verifies in real time whether other installed applications or Trojans use the microphone or camera without the user's knowledge.

©WINGS SECURE CALL™

WINGS MOBILE secure calls are protected by a triple level of security: TLS (Transport Layer Security) for Internet communication, ZRTP (Zimmermann Real-time Transport Protocol) for an end-to-end exchange protected by encryption keys, and ICE technology for P2P utilities. No VOIP data flow passes through the server, which guarantees that neither Wings Mobile can intercept (secure) calls.

©WINGS PLAY STORE™

All Wings Phone™ devices offer an anonymous application store run by WINGS MOBILE. In the normal Play Store, the user must be registered with their personal email, and Google tracks all activity. Wings Play is completely anonymous, and it does not need registration by email and guarantees complete privacy. The application also conducts all of the installation translation among WINGS MOBILE users and the application developers through the WINGSPAY payment system.

©WINGS SECOND NUMBER™

Second Number, another exclusive service available in all Wings allows users to choose all additional telephone numbers they need, which can be used to receive and make calls with the second number as the caller identification.

©WINGS WORLD ROAMING FREE™

Wings world roaming free ™ is the only system in the world that converts incoming GSM calls into VoIP calls, completely free of charge, in any global area where there is an Internet connection. This technology works independently from the operator used by the user. The user can choose from 60 countries around the world.

©WINGS DEFENDER™

Our Wings Books (PC notebooks) uses the Windows 10 operating system. To ensure high performance and safe use, the integration of a complete and powerful Antivirus like Wings Defender is something that cannot be disregarded. By constantly keeping updated with all types of Trojans, viruses, malware ...it optimizes security and provides the user full protection, as well as optimizing the CPU, RAM and battery.

©WINGS DIALER™

WINGS DIALER is the first dialer in the hybrid world, which integrates GSM technology with native VOIP technology. This dual system allows the integration of all WINGS special mobile functions in a single dialer (keyboard): secure call, free roaming, second number, national and international calls with VoIP transport, free calls, etc.
The main advantages are related to an integrated use that allows the user to have several calling options, in a single dialer, and without resorting to external applications. In addition, calls with native VoIP technology, excluding other VoIP clients, are not canceled if there is a second GSM call, in this case the GSM call simply receives a busy signal as in the normal GSM system.

©WINGS VOIP CALL™

Through the VoIP technology, WINGS MOBILE offers all Wings Phone or Wings Book owners the possibility of using exclusive VoIP services. In a very simple way, once the recipient has been chosen, the user decides whether to make the call through the GSM network or through the VoIP network.

Wings uses the transport of voice data through VoIP technology only in the first part, that is, from the user to the Wings telephone station. From this moment on, the call is redirected through the gsm or pstn network of the country call destination. This mode allows making calls that do not differ at all with the gsm already being used.

Thanks to this service, WINGS MOBILE offers special rate plans, which allows for 90% in savings compared to some markets that are not yet mature such as Latin America or with high prices, as it is the case with the African continent in almost all international calls.

©WINGS BACKOFFICE™

Wings Backoffice is the heart of WINGS MOBILE: the software that allows the management of the commercial and distribution system.

The software manages the distribution, billing, calculation and settlement of commissions, logistics, warehouse, payment method, and ecommerce.

Designed to be multi-language, multi-country, it allows to implement and develop a new business unit in a new market, requiring a term of less than 60 days.

2.2.5 Expansion

The demand for WINGS MOBILE products is so high that it has forced to accelerate the expansion plan of WINGS MOBILE, going from the 36 months originally planned to only 18 months.

WINGS MOBILE expansion plan foresees the opening of 36 territorial delegations throughout the world, each constituting a Business Unit.

Business Units have been projected in all countries which represent an interesting market for WINGS MOBILE, with the purpose of facilitating and coordinating the distribution of products and services through the Social Market, Wings Stores and Professional Sales.

WINGS MOBILE is projected to open the following new business units in July 2018:

- **WINGS MOBILE Peru** – Business Unit in Peru.

- **WINGS MOBILE Colombia** – Business Unit in Colombia.

- **WINGS MOBILE Ecuador** – Business Unit in Ecuador.

- **WINGS MOBILE Argentina** – Business Unit in Argentina.

2.3 Our vision, our mission

WINGS MOBILE understands (its VISION) that the mobile communications market is evolving irreversibly and unstoppably; and that beyond the traffic of information through voice (calls) or data (with all the smartphone available applications), they will soon constitute a main channel for financial exchanges or sensitive information. Therefore, the key for such dynamic to occurr harmoniously is to evolve in security protocols and tools that would facilitate cryptocurrency exchanges.

The MISSION of WINGS MOBILE is to create devices capable of raising the standards of CRYPTO SECURITY. In addition, through WINGS PAY, which bases its foundations on a real economic system already underway, the company wants to implement the concept of USABILITY for all crypto users who wish to buy goods using their own digital currencies, but who currently cannot find online platforms or physical stores which would make that possible.

2.4 WINGS MOBILE Tech Core Team

ANTONIO MILIO
CEO, Marketing Director & CoFounder

2017 Present CEO & Founder "WINGS MOBILE" (Spain)
2008 – 2017 Ceo & Founder "Uppertel" (Spain)
2003 – 2007 Ceo & Founder "Voiplab" (Spain)
2003 - 2007 Ceo & Founder "Holaphone" (Spain)
2001 - 2003 Marketing Director & Founder "TH PROVIDER" (UK)
1998 - 2001 Marketing Director & Founder "Easytel" (Italy)

ANDREA DELLA BALDA
Carrier Develop. Director

2018-Present - Carrier Developing Director "Wings Mobile"
2006-Present - Vice Ambassador De la "Republica di San Marino" in Spagna
2005-2018 - Ceo & co-founder "San Marino Telecom"

FABRIZIO MELI
General Manager

2018-Present: GM Wings Mobile
2016-2018: AD "JLM Srl
2009-2014: AD "L'unita"
2006-2009: AD "Tiscali Media"

SEBASTIAN LUCERO
CTO

2017-Present: CTO Wings Mobile
2016-2017: Senior Developer "EBAY" California (USA)
2015-2016: Senior developer "Aula Maula" - Argentina
2009-2014: CTO "Easy Ip Call"
2003-2009: Senior Developer "VOIPLAB S.A."

ALESSANDRO TRAVERSARI
Technical Device Director

2017-Present: Technical Device Director "Wings Mobile"
2017-2018: Product Manager "Radiomarelli"
2013-2016: CEO "Tps Communication" (Dicra, Radio marelli)
2000-2013: CEO "Delta Service Communication" (Sony, Ericcson, Nokia)
1994-2000: Chief tecnical Laboratory "Globe Communication" (Tim)

LORENZO BOVE
Cyber Security Director

2018 - Present Cyber Security Director "Wings Mobile"
2017 - 2018 Project Manager "Radiomarelli"
Sector: Manufacturer of military devices
2014 - 2016 Studio ITA - Sector: Engineering, Job occupied: Project Manager
Missions or tasks realized: Quality control of plants and industrial systems
2008 - 2016 Italian state - Sector: Critical infrastructures, Job Occupied: Analyst
Mission or tasks realized: Analysis and protection of critical infrastructures. Monitoring
and analysis of information asymmetry with foreign countries.

As of today and in relation to the market in which WINGS MOBILE operates and its mission, we can identify FIVE important problems. We will analyze them below:

3.1   Security and vulnerability of e-wallet accounts

The expansion of technology and the financial logic that allows generating cryptocurrencies, as well as mining and online commerce, have exponentially increased the interest of criminals in this new market. Attempts to violate the wallets (ewallet) in which these digital coins are deposited are becoming more frequent.

The awareness of the robustness and inviolability of blockchain systems has created the false myth that ewallets are also robust. Nonetheless, access to these virtual wallets through smartphones and personal computers, which were not designed to guarantee high standards of security and privacy control, has revealed a concerning vulnerability for hackers.

Now, people are aware of the need of accessing a series of permissions, some which are probably useless, in order to download a mobile application from a store. Less known is the fact that from thereon, we are losing the ability to really understand how and when our personal data (photos, contacts, camera, microphone, etc.) are used by the application we have just downloaded.

To address this problem and provide greater security to its customers, important software companies have already developed widespread messaging applications such as WhatsApp or WeChat, and have introduced the end-to-end encryption. Unfortunately, this is not enough because although an application can be protected, we cannot protect a system attacked by malware which we have downloaded and that without our consent, would have the ability to record telephone conversations, memorize what we wrote on the keyboard or make "screenshots" or "photos" of our screen.

To avoid this type of attacks, it is necessary to protect smartphones not only from external intrusions, or attacks that are channeled through applications, but by working on the "physical" architecture of the terminal, redesigning the entire architecture, even at the hardware level, to look for a new high level security standard.

So we are witnessing the birth of hardware or cold storage devices, very similar to USB devices, which allows having a physical e-wallet disconnected from the network. Which is certainly interesting, but focusing the problem on the e-wallets does not completely solve the problem; And it does not provide us security or protect our privacy when using our smartphone or PC.

On the other hand, as users, we suffer the result of all of these protection attempts in that mobile applications and system developers, whose costs are very high, have focused exclusively on security without taking into account the ease of use and compatibility of smartphone applications to which we are accustomed and connect us with the world.

At WINGS MOBILE, we want to combine within a single device, the security and the guarantee that a cold storage hardware can offer against external attacks, with the versatility and compatibility that a smartphone should have today.

3.2   Privacy - monitoring of telephone conversations

As per security and privacy, the real sensation of having the telephone intervened is increasingly extended; and we suppose, with good reason, that many of our telephone conversations are listened to and recorded by third parties.

End-to-end encryption and human element
With the introduction of end-to-end encryption, used by instant messaging applications such as WhatsApp, Messenger and Telegram, users are supposedly protected by encryption, which makes the messages illegible by hackers.

The end-to-end encryption (sometimes abbreviated as e2e) was created to specifically resist attacks by hackers in which in order to steal information and personal data, they attempt to "intercept" communications between two or more users. As it is made evident from the name ("man in the middle"), the attacker is placed in the middle, between the transmitter and the receiver, using the same communication channels used by the two parties. In doing so, the messages sent by the sender end up in the hands of the hackers before reaching its destination: The attacker can thus store the information it wishes and use it as he wishes.

The obligation of the "man in the middle"

Perhaps few people know that even-though the end-to-end encryption was introduced by the giants of instant messaging to protect their users, there is a regulation which requires those multinationals to use human element in the middle of the chain .

Despite of the latter, everything we say is listened to, stored and available to external parties who have at their disposal the possibility of accessing the history of our telephone conversations.

The research and development of systems and management of large volumes of data in real time, and the advances in voice recognition in order to raise the level of security, has resulted in a series of doubts about the transparency with which technology is being used for the purposes of "targeting advertising" or segmentation of audiences whose analysis may generate an interesting economic reward.

Privacy is also our goal

A characteristic with which we want to equip the WINGS MOBILE community is that of a genuine and authentic "privacy", allowing our users to make telephone conversations not only in the most absolute anonymity, but also avoiding the intrusion of hackers , government agencies or any "third party" from accessing or storing telephone conversations without authorization or, in a broader sense, communication flows.

3.3   Equity - Economics of centralized production

WINGS MOBILE has always been very sensitive to inequality and socioeconomic differences between countries. The manufacturing of consumer electronic products (smart phones, PCs, etc.) is very much carried out by certain economies in Southeast Asia, and most of all by the ''great Chinese factories''. The latter has triggered a number of conflicts, such as those arising from imposing high tariffs, which ultimately ends up affecting the price of imports in many countries, especially in developing countries.

This logic of defense of the national market attempts to artificially rebalance the trade balance, the import / export relationship of developing countries. However, it rather limits and impoverishes the end consumer, which is forced to pay for the same product even 100% more compared to the consumer of a producing nation.

By Analyzing Apple's products, one can easily conclude with the help of reliable statistics that price varies according to the country, which is mainly based on the tariff policy. Thus, it is clear that an Argentine consumer will accesses the same good paying 110% more than an American for merely political reasons. In addition, the aforementioned price discrepancy favors the parallel and illegal importation of products from neighboring countries, which may not administer import duties for electronic products so severely.

In short, the consumer is the one who ultimately gets affected and limited from accessing technological innovations and thus gets affected by paying an excessive cost for the same product, while smuggling and the underground economy flourish.
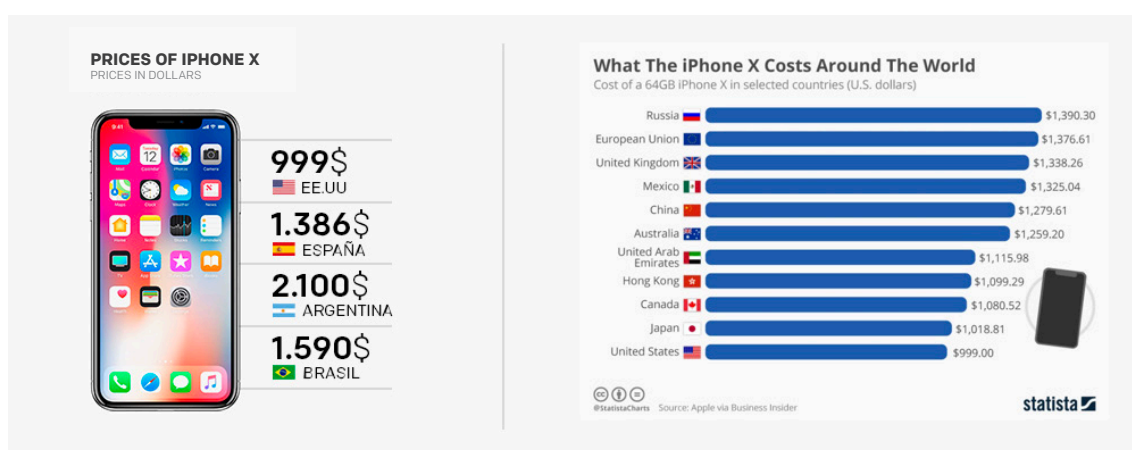
Source: STATISTA; Economia Centralizzata

One way of tackling the problem may be to reduce tariffs: although going to root of the problem, ideally one should stimulate the national production. This would not only eliminate the conflict pertaining to tariffs, but it would stimulate the national economy by creating workplaces, valuable infrastructures ... and employment.

3.4   Null value in exchange, null "usability"

The expectation generated by cryptocurrencies has not been generated without controversy. Can they effectively become pillars of a new financial system? Or, could they technically even be qualified as "money"? Can the same criteria applicable to money be applied to estimate its "value"?

The conventional monetary theory attributes three characteristics to money:

- **Money is a means of payment:** By having a recognized value, it can be exchanged for other goods or services (or even other currencies, in the currency buying and selling markets ...). Which depends on the expectation that other people accept it as such.

- **Money is an account unit:** As bearer of value and a substitute for barter, the goods and services that are exchanged are susceptible to measuring their "value" in terms of money.

- **Money is a store of value:** Money has a value recognized by the economic agents of a certain market, based since the fall of the monetary anchors, on the confidence that the issuing entities place on its value, and on the recognition that all individuals have towards it in that monetary area.

For the Austrian school of economics, undoubtedly the main purpose of money is to be a means of exchange, while the unit of account and the deposit of value are secondary. And this is where the realm of cryptocurrencies for now has its weakest point. Using cryptocurrencies to buy goods or services is very complicated. Both in online transactions and, of course, offline. Even for the most widespread or distributed cryptocurrency, such as the Bitcoin.

This thus generates a "vicious circle": if cryptocurrencies are not used for buying, what is the purpose of putting a value of change (price) on goods and services, in relation to cryptocurrencies? The first two attributes associated to money are therefore compromised. So far, not even cryptocurrencies are a means of payment nor a unit of account.

Will they at least be a store of value?
We shall reflect on this in the following point.

3.5   No guarantee of value and lack of credibility of projects based on cryptocurrencies.

If the use of cryptocurrencies is extremely limited, what´s their use? How to estimate its real or potential value? How does it affect their value when almost nobody accepts them as a means of payment, that is, do they have no "usability"? The answer is simple: generating distrust.

Distrust translates into volatility. Thus, the valuation of cryptocurrencies have large ranges of fluctuation and, unfortunately, the volatility that has characterized the price of cryptocurrencies since they have been accounted by the markets (2009) is due to widespread doubts about their ability to generate value.

Many newly issued cryptocurrencies have been subject to intense speculative movements that have even reduced their price to ZERO, generating serious damage not only for their promoters but, undoubtedly, for many holders who have seen their value evaporated.

All of the aforementioned generates great confusion: the price of Bitcoin rises and this increases the price of cryptocurrencies; Bitcoin price falls and, conversely, it drags the value of other virtual currencies…. Where are the fundamentals of value?

This lack of credibility also affects business projects based on cryptocurrencies. In 2017, there were 913 projects that launched an Initial Currency Offer (ICOs) to finance their business plans. The nature of them is varied and their classification is compromised due to rapid changes in the market.

But according to study from Tokendata, of the almost one thousand cryptocurrencies that were presented in 2017, 142 did not obtain funding and another 276 have disappeared, either because they did not generate enough interest or because they were directly a scam; and additionally 113 cryptocurrencies are on the verge of disappearing because they cannot satisfactorily implement the plans drawn in their white papers.

All of the latter invites us to reflect on the key aspects that have motivated the failed financing-investment processes.

From the various analyzes, we want to highlight those understood as the main factors:

3.5.1. Badly chosen geographical area

A notable percentage of the failures come from initiatives in developing countries. The institutional framework surrounding the project is key, because eventhough the technological variable in many of them is central, business flows take place in the real world.

3.5.2. Wrong priorities:

The revaluation of cryptocurrency must be a result of the growth of the project and a well-founded objective by the promoter team. However, on many occasions, the sequence of discounts in the round of ICO seems to become the main axis of the whitepaper, distilling with it an uncomfortable aroma of short-term speculation.

Similarly, a sensible design of the discounts and allocating a well-weighted -and not exaggerated- part to the promoter team or initial investors are aspects that many initiatives do not take care of, indirectly revealing the weakness of their ecosystems or an inconsistently speculative approach.

3.5.3. Unclear and defined business variables:

Most whitepapers do not clearly justify the role that cryptocurrency and BlockChain have in their business ecosystem. The briefness of many plans, whose innovative shortness began to be interpreted positively as another example of how these initiatives simplified and democratized investment, has ended up marginalizing, in many cases, basic explanations of the underlying business model. There have even been cases of plagiarism, perverting the nature of the whitepapers, which have been transformed sometimes into real pamphlets without solvency and rigor.

3.5.4. Sectors that are difficult to access and that are not very dynamic:

In other cases, the enormous specificity of the initiatives has met with an extremely small and hardly accessible target audience, an evidence that began to contrast the "idea" that took shape and became a "prototype".

3.5.5. Degree of Project maturity:

In this sense, even knowing that often innovation is born a long way from the "project coming to life" (financing is the support that would help cover that gap), and entrepreneurship has been generalized without a single business plan. Thus creating a tortuous path, complete of unknown things until the final solution. Investors are increasingly skeptical regarding these approaches.

3.5.6. Reputation and Capabilities of the promoter team:

In the absence of regulation, a safeguard of the investor resides in the reputation and capabilities of the promoter team, whose image is indelibly compromised in the good course of the initiative. Every initiative, after all, ends up being a projection of the profile and vision of the management team.

3.5. 7. Innovation and technical reliability.

Some projects succumb, even in their own ICO, for the unforeseen traffic of users to their servers, which become saturated and thus collapse. Which alerts on fundamental issues. Are the technical parameters that define the project well measured? Similarly, the detail of the Smart-contracts sometimes does not coincide with the plans detailed in the whitepaper, which manifests fraud to investors.

WINGS MOBILE is an extremely dynamic company focused on "security-technology". Therefore, in a world oriented and evolved towards new technologies, even in financial uses, it could not be indifferent towards security problems in the world of cryptocurrencies.

In this regard, the idea of building a true WINSGMOBILE ecosystem, based on the creation of its cryptocurrency, BITWINGS came to life. And activate, with that combination, a powerful program of technological evolution and global expansion.

In doing so, we have tried to be faithful to some business principles (point 4.1), to offer them a differential solution that allows us to add value and overcome all the problems analyzed in previous pages (point 3)..

4.1. **First pillar:** some approach principles

4.1.1. Business ecosystem

The business axis must be innovative and have growth potential. The evolution of the WINGS MOBILE ecosystem will guarantee the value of BITWINGS. Whomever participates in a currency, is in some way involved in the economy of their issuing country, and will have a more valuable asset as the country strengthens its competitiveness against others.

WINGS MOBILE combines Innovation and positioning in a dynamic sector, such as secure mobile communications in an environment of growing financial exchanges. Technical solvency and a coherent growth plan are the main attributes of our model.

The following pages will develop this complete model.

4.1.2. Team, vision

The success of a project is closely linked to the people who lead it. Who leads the business? Do they have previous business experience? Do they know how to do it, and can they explain it reliably? Is the sequence of corporate and business milestones well planned? Is there a detailed plan? Have certain stages of the business been already completed or are we facing an embryonic idea whose journey will be long and subject to all types of imponderables? Good business expectations always carry risks: the key is to gauge who and how such risks will be managed...

WINGS MOBILE is a solid team, led by professionals with ample experience in the creation and management of companies. There is a great multidisciplinary preparation, which covers technology, engineering, telecommunications, the financial world, marketing, the management of commercial networks and ... strategy.

4.1.3. ICO Profile

When the launch of a project is based on an Initial Currency Offer (ICO), the operation does not only have to be well designed, defining all of the key aspects of the business; but to offer a guarantee scheme that prevents unwanted situations or abuses protected by the lack of regulation. Many newly issued cryptocurrencies have been subject to intense speculative movements that have even reduced their worth to ZERO, generating serious damage not only for their promoters but, undoubtedly, for many people who have seen their value evaporate.

The initial offering of BW is intended to strengthen the financial base of the project to address the Business Plan at the planned rate of expansion. And as a maximum guarantee of confidence in the strength of the project, and every holder of BITWINGS (BWN) can rest assured: that they can always convert their cryptocurrency into high technology products and services, trust that there will be a growing volume of exchange, and be confident that, as we will explain later on, the value of our cryptocurrency is guaranteed, which will never be lower than its issue price.

In short, WINGS MOBILE business model and the technical and operational competencies of its cryptocurrency, the BITWINGS (BWN), allows to identify the project described in these pages as a solvent and differential project; a reliable project to the point that the promoter team is able to guarantee its convertibility and the value of its currency at the issue price.

4.2. **Second pillar:** security of the devices.

WINGS MOBILE is developing its second generation of products:

The **WINGS WX ™** smartphone and **WINGS X BOOK ™**. These devices will work with the **SAFE CORE OS ™** WINGS MOBILE operating system, based on Android, with an ultra-secure encryption core.

All WINGS MOBILE products, current and in progress, cannot only be purchased with the BWN token but, shall one decide to do so, they will have a 10% discount on the maximum retail price.
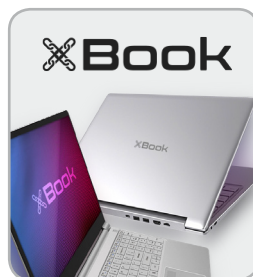
4.2.1. Wings WX™ Smartphone

The BlockChain phone is the first NEURONAL hybrid phone (VoIP / GSM / NeuralChip); unique in the world for its highest level of security, both in terms of hardware and software.

- **High level specifications:**

    Target price range: ~$999

- **Blockchain Features**

    SAFE CORE OS™:

    - Triple Factor Authentication
    - ''Cold storage'' Cryptographic wallet Built-in hardware
    - Built with neural technology

- **Hardware specifications**

    PHYSICAL SPECIFICATIONS
    Dimensions: 157.5mm x 75.5mm x 7.9mm
    Weight: 168g
    OS: Android P & SAFECORE
    Color frame: Sapphire Blue, Champagne Gold, Deep Black,
    Frame material: Glass, Metal,
    Screen specifications: 6.2 (inch) IPS FHD
    Screen resolution: 1.920 x 1.080 Pixels
    Pixeladoy density: 403 ppi (Pixels per inch)
    Screen protected by a 3D curved glass screen
    Additional screen specifications: capacitive, multitouch, aspect ratio = 18: 9
    Impact resistanc

    CHIPSET AND SENSOR
    Chipset: MediaTek Helio P60 NeuroPilot
    CPU specifications: Octa Core - 4x A73 2.0GHz + 4x A53 2.0GHz
    GPU Specs: ARM Mali-G72 MP3
    RAM specifications: 8GB
    ROM / memory: CRYPT STORAGE 96GB + 32GB (128GB)
    Memory card: up to 256 GB, microSD, microSDHC, microSDXC
    Sensors: accelerometer, fingerprint, light, proximity

CAMERA SPECIFICATIONS
Dual camera specifications: SONY 24MP + 16MP
Flash light; LED
Rear camera: The photographs taken by both cameras are combined using special software and produce a 98MP image.
Front camera specifications: SONY 16MP
Facial and scene detection; Hardware Warping Engine (EIS); Anti-Blooming Engine; MEMA 3DNR; Multi-Frame noise reduction; HDR recording and viewing in real time; Zig-Zag HDR; RAW multi-frame HDR; PDAF
Video recording per second: 30 fps / 96 fps

BATTERY SPECIFICATIONS
Battery: 5000mAh SemiSolid Lithio Technology
Battery Standby Time: 600 hours
Talk time: 24 hours
Video call time: 16 hours
Rapid charge: 45 minutes full load: fast charging technology

FUNCTIONS OF THE NETWORK OF NEURAL PROCESSORS
Call encrypted in hardware
Intelligent management of battery and recharge
Optimal camera management
Recognition of objects, faces and scenes
Smart management of GSM and data band
Recognition of network problems (for example, IMSI Catcher)
Recognition of abnormal behaviors, such as intrusion attempts (Trojans, malware, backdoors) or interception attempts (MITM attack or IMSI Catcher)
Complete data erasure shall the phone gets ''compromised''.

SOFTWARE WINGS INCLUDED (described in subsequent pages):
- ©WINGS SAFE CORE™
- ©WINGS NEURAL FACE ID ™
- ©WINGS GUARDIAN 2.0™
- ©WINGS PAY EWALLET ™
- ©WINGS SECURE CALL™
- ©WINGS PLAY STORE™
- ©WINGS SECOND NUMBER™
- ©WINGS WORLD ROAMING FREE™
- ©WINGS VOIP CALL™
- ©WINGS DIALER™

4.2.2 Wings X Book™ Laptop

The first dedicated high security laptop available in two versions: **15.6" & 14"**

- **High level specifications**

  Target price range: ~$999

- **Blockchain Features**

  SAFE CORE OS™:

  - Triple Factor Authentication
  - ''Cold storage'' cryptographic wallet incorporated in the hardware.
  - Built with neural technology

- **Hardware specifications**

  PHYSICAL SPECIFICATIONS
  CPU: Kaby Lake-R i7-8550
  Operating system: Windows 10 & SafeCore OS
  Screen: 14.1 "- 15.6" 4K Display (two versions)
  RAM: 8 G
  Storage capacity: 224 GB + 32 GB CRYPTO STORAGE (256 GB)
  WiFi/BT: 802.11 a/c/b/g/n /
  Camera: 2MP
  Keyboard: Backlight
  Supports: Hall Switch, Fingerprint
  I/O: 1 USB3.0, 1 USB2.0, 1 Mini HDMI, 1 micro-SD, 1 microphone, 1 Audio Jack, 1 DC

  DIMENSIONS
  275 * 191 * 12 8 mm (15.6-inch version)
  330 * 227 * 12 8 mm (14.1-inch version)

  BATERRY SPECIFICATIONS
  5000mAh/7.4V (versión 14.1")
  8000mAh/ 7.4 (versión 15.6")
  Battery Timing:
  Stand By : 96 horas
  Video play Time : 8 horas

  WINGS SOFTWARE INCLUDED:
  WINGS SAFE CORE™
  WINGS NEURAL FACE ID ™
  WINGS GUARDIAN 2.0™
  WINGS PAY EWALLET ™
  WINGS SUITE™
  WINGS DEFENDER™
  WINGS SECOND NUMBER™
  WINGS VOIP CALL™
  WINGS DIALER™.

4.2.3 SAFE CORE Architecture and Operating System.

Android is a Linux virtual server. WINGS SAFE is a secure Android based operating system.

WINGS MOBILE does not only choose to use a closed and secure operating system, because although it could guarantee security and impenetrability, it does not allow any compatibility with Android, since it would make it vulnerable to the daily applications that are freely installed.

This premise could severely limit its use, forcing the end user to use two different phones: one for protected use and another for the various commonly used applications such as WhatsApp.

WINGS MOBILE opts for the hybrid integration of the two operating systems, with a secured Android within a commercial Android. Thanks to this integration, we have created a dual operating system on WINGS MOBILE devices. The Wings Safe OS is based on an encrypted and secure partition (32 GB) of storage memory, and is completely independent from the main Android system. No application, control or Android API have access to Wings Safe OS.

It thus becomes in a unique, safe and impassable system in which the only form of accessing is linked to the triple system of personal control: facial identification (neuronal), fingerprint and personal identification PIN. Wings Safe is designed to keep the most sensitive user data safe: your own ewallet, banking and financial applications, sensitive photo and video galleries, and everything considered particularly important.

The architecture

Here we describe the architecture of our device where it is shown how it can better manage the use of standard applications with those that require greater security.

- Application Wings Layer

- Neural Secure Launcher

- Application Framework

- Secure e Neural Libraries

- Wings Kernel.

- Secure Boot Loader

- Crypto Storage Hardware (CSH)

Architecture Diagram

OS ANDROID 9.0	SAFE CORE OS™

HOME	CONTACT	PHONE	BROWSER	...	Application Wings

Neural Secure Launcher

Application Framework

Activity Manager	Window Manager	Contact Providers	View System
Package Manager	Telephony Manager	Resource Manager	Location Manager	Notification Manager

Application Framework

Libreries | **Android Runtime**

Surface Manager	Media Framework	SQLite
OpenGL	ES	FreeType	WebKit
SQL	SSL	Libc

| Core Libraries |
| Virtual Machine |

Secure Libraries | Neural Libraries

Linux Kernel

| Display Driver | Camera Driver | Flash Memory Driver | Blinder IPC Driver |
| Keypad Driver | WIFI Driver | Audio Driver | Power Management |

Wings Kernal

Secure Boot Loader

| Hardware | Crypto Storage Hardware |

We describe the various blocks that make up the entire architecture ...

Application Wings Layer

Located at the top of the Safe Core OS, are the Wings applications. In this section are included only the native Wings applications provided with the implementation of Safe Core Os based on Android:

WINGS **GUARDIAN**™ 2.0 | WINGS**PAY**™ | **WINGS**PLAY™2.0 | NEURAL **FACEID**™ | WINGS**DIALER**™

WINGS **Secure Call**™ | WINGS **Second Number**™ | WINGS **World Roaming Free**™ | WINGS **Voip Call**™
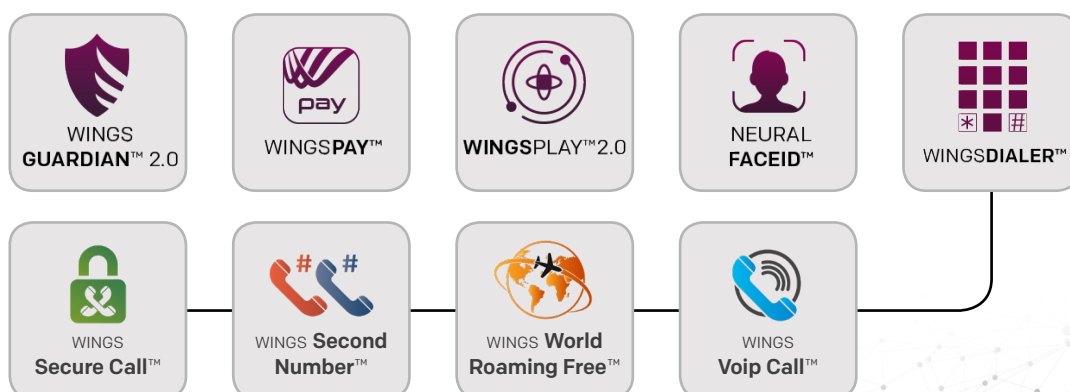
Neural Secure Launcher

The Neural Secure Launcher (NSL) is a program that allows you to change certain features of the user interface, such as the appearance of the main screen and the application menu.

NSL is responsible for authorizing and regulating access to telephone resources, through the use of native Wings applications such as the Neural Face Id and the Triple Factor Authentification (Neural Face ID + Finger Print + ID PIN).

Application Framework

In this section of the layer are included only the native applications Wings and Safe Box.

<table>
<tr><td>WINGS
APPLICATION</td><td>WINGS
SAFE BOX™</td></tr>
<tr><td colspan="2">APPLICATION FRAMEWORK</td></tr>
</table>
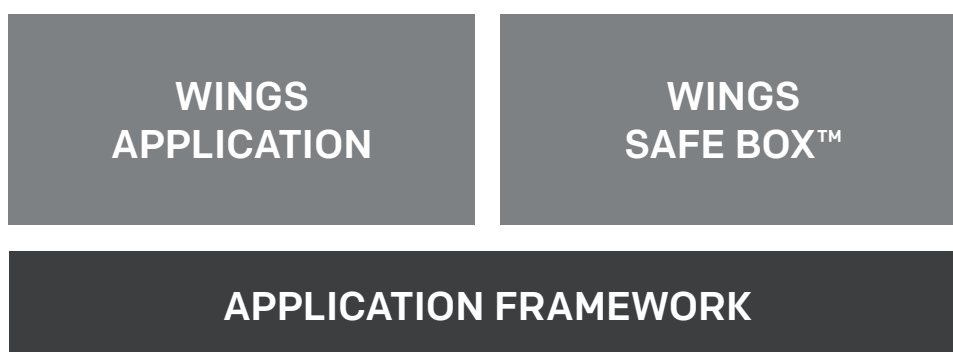
WINGS APPLICATION:

- WINGS NEURAL FACE ID ™
- WINGS GUARDIAN 2.0™
- WINGS PAY EWALLET ™
- WINGS PLAY STORE™
- WINGS DIALER™ which includes the following software:
    - WINGS SECURE CALL™
    - WINGS SECOND NUMBER™
    - WINGS WORLD ROAMING FREE™
    - WINGS VOIP CALL™ .

WINGS SAFE BOX™

To protect private applications, ewallet, private photos and videos, important documents ... Safe Box is born, a secure container that can only be accessed by the owner of the device, where applications and private documents are stored.

Secure e Neural Libraries

In addition of android base libraries (which includes the open source WebKit web browser engine, a libc library, an SQLite database that is a useful repository for storing and sharing application data, libraries for playing and recording audio and video, SSL libraries responsible for Internet security, etc.) in this section of the layer, the secure libraries and the Neural Wings libraries are included. Together offer greater control of the device, analysis and security management based on The following main factors:

- Recognition of abnormal behaviors, such as intrusion attempts (Trojans, malware, backdoors) or interception attempts (MITM attack or IMSI Catcher).

- Threat forecasts and adaptation to them.

- Identification and elimination of existing vulnerabilities.

- Detection and blocking of cyber attacks with a speed and efficiency far superior to human analysis.

- Increase the calculation capacity for encryption algorithms.

Wings Kernel.

Wings Kernel is positioned at the bottom of the layers. Wings Kernel is based on Linux. This provides a level of abstraction between the hardware of the device and contains all the essential hardware drivers such as camera, keyboard, screen, etc. Wings kernel manages in secure mode networks and a wide range of device drivers, to relate the interface with peripheral hardware.

Secure Boot Loader

The Secure Boot Loader (SBL) or secure boot has been implemented by Wings in all Wings X series and guarantees the integrity of the device software. During startup, the SBL analyzes each boot stage, to verify the integrity and authenticity of the installed software before executing it, in addition to checking at the hardware level that no application with root privileges has made any changes to our file system.
Any integrity violation that is detected during startup is reported through a warning on the local device and the startup sequence is blocked.

Crypto Storage Hardware (CSH)

CSH is a secure hardware element formed by an encrypted and secure partition (32 GB) of storage memory. CSH is able to securely store confidential and cryptographic data (for example, key management) as all sensitive and private documents of the user.

4.3 **Third pillar:** Privacy through Software and Technology.

WINGS MOBILE aims to offer innovative and secure solutions to ensure privacy and protect confidential data. To do so, it uses and develops the latest technologies and software programs / applications, which are constantly evolving.

WINGS MOBILE integrates neuronal technology within its new devices from the X series to increase the level of security of the software already developed and to create new and increasingly dynamic solutions that provide greater protection.

4.3.1 - NEURAL TECHNOLOGY

Thanks to the implementation of the new MediaTek Helio P60 NeuroPilot ™ CPU, WINGS MOBILE new devices enter the neural era with the implementation of artificial intelligence, which improves and greatly accelerates the following elements:

• Deep learning facial detection (DL-FD),
• Calculation capacity for encryption algorithms
• Embellishment (photos, videos ...) in real time with new overlays,
• Identification of objects and scenes,
• AR / MR acceleration,
• Real time improvements
• Higher quality photography or video
• CPU + GPU = Up to 70% more performance

Neural technology allows improving existing software geared towards secure and privacy protection. It is the basis on which new exclusive and unique applications are being created which increase the degree of security and interaction with the end user; thus developing a new software and hardware architecture that guarantees a total degree of security. Wings will launch the new neuronal devices with the ''X'' series.

4.3.2 - WINGS 2.0 SECURE COMMUNICATIONS

WINGS MOBILE secure calls are protected by a triple level of security: TLS (Transport Layer Security) for Internet communication, ZRTP (Zimmermann Real-time Transport Protocol) for an end-to-end exchange protected by encryption keys and ICE technology for P2P utilities. No VOIP data flow passes through the server, which guarantees that neither Wings Mobile can intercept (secure) calls.

Using the new neuronal libraries, our goal is to create greater security by improving the pre-existing encryption algorithms (Diffie-Hellman elliptic curve (up to 384 bits) for the exchange of end-to-end AES encryption keys (up to 256 bits) for confidentiality and HMAC-SHA1 for authentication.

WINGS MOBILE does not use the Man in the Middle systems because due to its very nature of applied technology would have no effect since no audio stream passes through the WINGS MOBILE server.

4.3.3 - WINGS NEURONAL FACE ID

Neural Face ID is a software that allows filtering access to the smartphone, thanks to the biometric 3D control of the user's face. Thanks to neural technology, which greatly improves the speed and details of visual and biometric recognition, Wings Neural Face identification allows the user to display a different menu application based on predefined biometric and visual filters.

To better clarify the concept, if a user accesses the phone next to another person, the neuronal identification device (of the face) immediately recognizes the presence of the second or third person and depending on the configuration set by the user, it will show a menu with the different telephones according to the configuration set by the user.

The configuration is done by creating second biometric profiles, simply by selecting photos of people who can access the user's phone and filtering the content of the menu and the application according to the biometric profile. It can also create profiles with zero or partial access, if those who have access to the phone do not have a photo uploaded as biometric profiles.

4.3.4 - WINGS GUARDIAN 2.0

Unlike the current version, the new WINGS GUARDIAN 2.0, through the new neuronal libraries, has a more exhaustive control over the telephone peripherals (camera and microphone) and also integrates a control regarding the use and access by any third-party application.

All user data that may have a confidential characteristics are under surveillance and protection, for example:

• Access to contacts
• Access to the Gallery (photo and video)
• Internet access (sending files and use of Internet by third-party applications)
 Access to SMS (improper use of SMS without the user's knowledge)
• Phone access (improper use of telephone calls without the user's knowledge)

WINGS GUARDIAN 2.0 not only verifies and warns the user if an application accesses and / or uses sensitive data from the phone, but it also blocks and removes Android permissions. Wings Guardian 2.0 also works when the phone is in Sleep Mode.

4.3.5 - WINGS NEURAL CYBER PROTECTION

Within security, AI (Artificial Intelligence) is increasingly used to predict, identify and eliminate cyber threats fast and efficient that would otherwise would not always be possible by human analysis.

Thanks to the implementation of Neural technology, WINGS MOBILE offers its devices greater control, analysis and security management based on the following main factors:

• Recognition of network problems (for example, IMSI Catcher)
• Recognition of abnormal behaviors, such as intrusion attempts (Trojans, malware, backdoors) or interception attempts (MITM attack or IMSI Catcher)
• Threat predictions and adaptation.
• Identification and elimination of existing vulnerabilities.
• Detection and blocking of cyber-attacks that are far superior to human analysis both in speed and efficiency.

4.3.6 WINGS PLAYSTORE 2.0

The new version of WINGS PLAY 2.0 is not simply an anonymous app store. But rather it becomes its own application market with a blockchain payment system called WINGSPAY.

Thanks to this integration, one will also have the possible of purchasing paid applications. Registering for WINGS PLAY is not a required so can guarantee that your download is kept anonymous, and since it is integrated with WingsPay, we can also guarantee that the payment is done immediately and anonymously.

4.3.7 WINGS DATA

Despite the arrival of Blockchain technology, the form of communication and use of media protocols is not modified. In fact, one can apply it in GSM or VoIP technologies, to guarantee anonymity.

The communications must have a signaling between servers, proxies and clients. With Secure Call, WINGS MOBILE guarantees that the audio content cannot be intercepted, but the reports go back to the holders of dynamic or static IP, used at the time of the conversation.

This is also necessary with payment gateways, banking systems or confidential distributed data (worldwide, even with those that revolve around the blockchains). To ensure maximum privacy and security, WINGS MOBILE created WINGS DATA, a data center located in the Independent Republic of San Marino (not a member of the EU) which ensures that the entire WINGS MOBILE ecosystem, including customers and users, operate in an ABSOLUTELY secure communications environment / system, and their data are protected not only by the highest standards of crypto security, but also by the special legal status of the aforementioned Republic of San Marino, which is an added safety measure.

San Marino has been immersed for months in a modernization of telecommunication systems, with the Chinese technological giant ZTE to transform the former Republic into one of the first smart countries and intelligent data bank in the world.

WINGS MOBILE has signed a purchase agreement for 70% of the GLOBALTEL Srl project, renamed WINGS DATA, for an amount of 5M Euro with DA VINCI LIMITED HK, a company specialized in creating digital and communication infrastructures, the official partner of the Chinese producer ZTE. WINGS DATA is a structure of 2,000 square meters, equipped with state-of-the-art technologies and certified by TIER, for the secure management of data and guarantees services continuity 24/7.

With WINGS DATA we intend, through an advanced concept of DATA CENTERS:

● To ensure that sensitive data of all WINGSMOBILE users is protected in an absolutely protected environment.

● To offer renting & data services will guaranteeing security and privacy.

● High data protection thanks to the special legislative conditions of a country which is not a member of the EU.

Currently, it is the only DATA CENTER in the Republic, and is in the process of collaborating as a qualified partner of the SMART SAN MARINO project, offering the widest range of additional services under the WINGS DATA umbrella. For this purpose, a complete remodeling is planned for the second semester of 2018, whose key points are:

● The integration of a photovoltaic system, which allows to reduce 20% of the total cost of the electric bill.

● The creation of a 1,000 m2 dedicated and specialized plant for hosting servers geared towards "mining" work in the universe of cryptocurrencies.

● The creation of a 1,000 m2 plant for renting private spaces and data centers, of which 600 m2 are already reserved by the State of San Marino, which is the only existing structure in the territory.

In addition, the low cost of electricity, which will be further optimized with the 1,000 m2 of photovoltaic roof, will create a differential advantage that will allow, together with the aforementioned factors, to attract actors and investors involved in the mining of cryptocurrency...

In short, WINGS DATA has the following main advantages:

● High data protection thanks to the special legislative conditions of a country which is not a member of the EU;
● The only existing TIER II-III certifiable structure;
● Energy costs 40% less than in Italy and the south of the EU in general;
● Further energy cost reduction due to the installation of a photovoltaic roof
● Contained structure and production costs: 50% more competitive than in the EU;
● High performance expectations.

4.4 **Fourth pillar:** Equity through the Decentralized Social Economy

It is important to support developing countries by encouraging the use of current technologies in order to reduce the technological and professional gap with the most advanced countries. Making progress on this front would help to balance international trade flows, reduce inequality, and achieve a more equitable globalization.

In this philosophy, WINGS MOBILE has decided to create ''assembly centers'' and factories in different geographical areas. In such a way that WINGS MOBILE products are not considered a ''made in China'' anymore.

This decentralized conception aims to take advantage of several strengths::

- Involve suppliers locally in the TOTAL QUALITY philosophy of WINGS MOBILE products and services. Greater control

- To homogenize the costs, adapting them to the capacity of each territory in the spirit of offering its products at a single price in all countries covered by the distribution.

- Promoting the development of local markets and facilitating the flow of goods without having to incur in any penalties of bilateral and associative relations (such as MERCOSUR) in the form of tariffs or obstacles that end up affecting the final consumer.

Thanks to this production strategy, we will distribute in a transparent and totally legal manner, the WINGS MOBILE products in the least developed countries at the same price as in Europe and the USA.

4.5 **Fifth pillar**: Money is a means of payment.

Owning BITWINGS (BWN) allows its holders to store and exchange BWN with other cryptocurrencies from an environment with the highest standards of cryptographic security, specially adapted to mobile devices, taking advantage of the native technological utilities of Wings devices (a synthesis included in this section).

But compared to the set of cryptocurrencies, BWN is an effective and immediate means of payment. Contributing from that point of view a differential value which is unattainable for many other virtual valutas in the short term.

BITWINGs is a cryptocurrency of legal tender in the Wings ecosystem, and allows automatic and safe transactions of balances for the purchase of products and services from the WINGs Ecosystem, from purchasing a state-of-the-art crypto-smartphone, to contracting a voice and data package, or establishing a physical and exclusive WINGS Store distribution.

The convertibility of cryptocurrencies into tangible products is now a reality, which can follow two paths:

- It can be used as an online automatic payment, operating through the Wallet and the protocols contained in Smart Contracts.

- It may also be used offline, through a growing network of stores and specialized points of service (Wings Stores), as detailed in point 5. The WINGSPAY technology allows generating a payment interface with cryptocurrency through Point of Sale Terminals (TPS) for the purchasing of goods and services in the physical channel; aspiring to become a benchmark system for this type of exchanges.

The use of BWN not only guarantees agility, transparency and simplicity for transactions, subject to decidedly residual operating costs, but any purchase or payment performed through BW will automatically generate equivalent discount mechanisms at no lower than 10% of the value of the product or service.

The use of BWN will be growing due to the incentive it has as a means of payment in a community of affiliates, customers and stores under full expansion; in addition to allowing changing to other cryptocurrencies other than BWN, to buy goods and services in the dynamic world of consumer electronics and telecommunications, including offline (through the WINGS physical stores network, with adapted TPSs and the referred to WINGS PAY system).

At the same time, the technological and profit evolution of the WINGS MOBILE ecosystem will have a very important boost in the use of BWN:

- The development of new applications in the ecosystem (WINGS PLAY STORE), where developers will be paid directly through BWN.

- Promotion of incentives and rewards policies (Airdrops & Bounty) based on BWN.

In short, BWN brings together the best characteristics of cryptocurrencies but, in addition, unlike almost all of them, it is an effective means of payment for goods and services of universal utility, in a community that is growing exponentially.

4.6 **Sixth Pillar**: Bitwings has a guaranteed and real issuing value

As discussed in point 3.5., Volatility and uncertainty regarding the value of cryptocurrencies is another aspect in which BWN provides a differential solution.

A first source of uncertainty came from the lack of a "history", since many projects are entirely new. However, BWN responds to a reality in progress, which mixes technology, innovation and innovative marketing formulas that have been imposing a very fast rate of expansion that requires financial contributions of this ICO to be effective.

Faced with a dynamic in which 60% of the new cryptocurrency emissions fail, and many disappear to end up becoming pure speculation tools, based on undeveloped technological constructions, BWN bases its strength on the real economy, and particularly associated to innovation. If applying economic theory, conventional currencies base their value on the solvency of the economies that issue them, the same must happen with the bulk of the cryptocurrencies in the long term.

The value of the BWN, therefore, does not depend so much on the stock (more or less erratic) of Bitcoin, as it occurs to practically all cryptoactives, but rather it responds to a business ecosystem, WINGS MOBILE, with the following characteristics:

- **Already existing:** led by professionals with ample experience in business management and innovative environments.

- **With its own technology:** focused on a blockchain adapted to mobile devices, which facilitates agile and secure exchanges, already operative in a large percentage and with "final" perfecting calendars, perfectly defined and chronographed.

- **In exponential growth:** for its decentralized vocation and that is synthesized in a SOCIAL MARKET whose acceptance has motivated the current Initial Currency Offer (ICO).

Many newly issued cryptocurrencies have been subject to intense speculative movements that have even reduced their price to ZERO, generating serious damage not only for their promoters but, undoubtedly, for many holders who have seen their value evaporated.

As a maximum means of guarantee regarding the strength of the project, BITWINGS is the first and only currency that guarantees its issue price, of $ 0.2. It will always be accepted in the WINGSPAY system at that minimum price, although it is possible for its trading value to be lower than the issue price.

This defuses any "bearish" speculative movements that could generate panic among BWN owners. Therefore, any BWN holder can rest assured that they can always convert their cryptocurrency into high technology products and services, trust that there will be a growing volume of exchange, and rest assured that they will maintain a value which is guaranteed by the issuer.

The BWN Initial Offer is intended to strengthen the financial base of the project to address the Business Plan at the expected rate of expansion

5.1 Panoramic

One of the differential strong points of BITWINGS (BWN) is to base its value on the same basis as conventional currencies (fiat): the strength and growth potential of its issuer's activity.

In this case, we define the Wings Ecosystem as a new business space that integrates WINGS MOBILE as a supplier of goods and services related to secure communication, controlling the manufacturing processes and the innovative quality of the latest generation technological devices and the set of clients and affiliates, linked to the ecosystem not only as users but as real business drivers, in which they participate in.

The potential of this Ecosystem responds to several realities:

- **A dynamic business scope:** Mobile communications have increasingly a more transactional and business background. And WINGS MOBILE address that reality.

- **A broad and growing geographical area:** Mature but dynamic economies regarding mobile communications and web trans actionality, along with a group of countries in the LATAM region, constitute the sphere of influence of WINGS MOBILE.

- **A rigorous analysis of the demand, which has based the business model and its feasibility.** The first Stages of the project have just been confirmed: Innovation is a NECESSARY condition but not ENOUGH for success. WINGS MOBILE provides a disruptive R & D model: Innovation and distribution

- **A very dynamic growth plan:** The first stages have already been completed by improving the initial expectations. By February 29, 2019ate of the next Mobile World Congress, the WINGS MOBILE ecosystem will already be in 16 countries, with more than 20,000 customers, 10,000 affiliates and 1,000 physical distribution points.

5.2 WINGS MOBILE, an ongoing company.

WINGS MOBILE constitutes a new community of secure mobile communications, which rests on a hybrid technology that combines the GSM protocol with VoIP, and has also integrated a Block-Chain structure to allow exchanges of a unique cryptocurrency: the BITWINGS.

The distribution formula was born from the composition of several ideas resulting from a market analysis conducted in Spain in the first half of 2017, which follows patterns shared by other markets in Europe (Italy, Portugal, Germany, France) and Latin America (Peru, Colombia, Argentina, Ecuador, Mexico, Brazil, Uruguay, Bolivia or Chile) and the U.S.

40% of users change their phone every 14 months; the remaining 60% every 20 months. The market, which is how we see is growing, ''it moves'': and it has never moved as much as now. The market could be thought as being dominated by the great players and with few means of entry. But there were also penetration mechanism not always conveniently explored. Without going any further: there is an important part of the population (more than 500,000 people in Spain), which monetizes their time (part-time) by distributing Network Marketing products / services / Multi Level.

According to the World Bank's Financial Inclusion Database, in 2015 about two-thirds of the population of five major nations such as Indonesia, the Philippines, Nigeria, Colombia and Peru (a total of 630 million people) lacked sufficient banking tools. A figure that on a global scale increases to 3,000 million people, who do not have access to a bank account, or basic financial tools such as debit cards. Despite the undoubted progress in recent decades, it is clear that there are still pending challenges in terms of the universalization of financial services.

ECO
SYS
TEM

This evolution draws a colossal market space on an international scale. And to take advantage of it will be necessary to:

- Master a reliable, but disruptive technology that covers all business phases, including financial.

- Develop an alternative distribution formula

- Create a new payment instrument using blockchain technology, which is universal and secure.

And the WINGS MOBILE ecosystem is based on these three pillars.

5.3 BITWINGS, WINGS PAY AND BLOCKCHAIN PAYMENT GATEWAY

YNine years have passed since the birth of Bitcoin and many other cryptocurrencies, but their use as a means of payment remains unresolved. Despite the vast number of solutions created and made available by technology companies, there does not seem to be any real incentive to encourage commercial use, neither in digital (e-commerce) nor in physical channels (stores or distribution points).

The problem of implementing these new payment solutions is mainly due to use resistance by business owners online and offline. Upon a careful analysis, resistance is due to the following main factors:

- **Legal:** cryptocurrencies in most countries have not be properly regulated along with few (or no) rules to be followed.

- **Taxes:** merchants cannot tax the transactions of goods and services paid through Cryptocurrency, since they are not explicitly contemplated in the current tax systems.

- **Volatility:** the exchange markets of cryptocurrencies have a very high volatility (with variations of more than 30% in a single day), which can absolutely distort the terms of trade with real goods, and generate in the owner the disturbing sensation that one may have an asset at hand that which may not be worth anything at all.

At WINGS MOBILE, we want to be the first ones to provide a solution to the aforementioned problems and resistances through the creation of a unique, innovative and secure payment system called WINGSPAY.

Wings Pay represents the link between the innovative WINGS MOBILE project and Blockchain technology. It was born from the idea of creating an economic tool that would facilitate the payment of products and services and that would allow all of those interested to have a digital account and operate with a strong and trustworthy cryptocurrency.

To build on a solid commercial base and become a role model for others, WingsPay is implemented as an official payment tool in all WingsMobile e-commerce sites and in all WINGS MOBILE physical stores (WINGS STORE).

We accept pay

Wings Pay accept the following currencies:

- FIAT (credit card, debit card)
- Bitwings Token (Blockchain technology)

WINGS PAY consists of the following elements:

- WINGSPAY APPLICATION (ANDROID & IOS): an application with secure access due to its triple identification factor: FaceID, fingerprint and personal identification code. The WingsPay app includes an ewallet equipped with a payment system based on blockchain technology.

- WINGSPAY ONLINE SOLUTION (E-commerce). A solution dedicated to commercial websites, including a plugin to be used in main e-commerce systems: (WooCommerce, Prestashop, Magento).

ONLINE SHOP FROM PC

01	02	03	04
THE CUSTOMER SCAN THE E-COMMERCE PAYMENT QRCODE	THE CUSTOMER ACCEPT SECURE TRANSACTION	E-COMMERCE CONFIRM SECURE TRANSACTION	E-COMMERCE RECEIVE PAYMENT
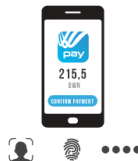
ONLINE SHOP FROM SMARTPHONE

01	02	03	04
THE CUSTOMER CLICK ON BUTTON WINGSPAY	THE CUSTOMER ACCEPT SECURE TRANSACTION	E-COMMERCE CONFIRM SECURE TRANSACTION	E-COMMERCE RECEIVE PAYMENT
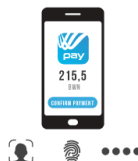
- **WINGSPAY POS** (Physical store). A unique and indispensable tool for all holders of a commercial activity with the physical point of sale, based on the Android operating system that covers all security standards and equipped with fingerprint sensor.

01
THE STORE SCANNERS
THE CUSTOMERS QR ID

02
THE STORE INSERT
THE PURCHASE PRICE IN BWN

03
THE CUSTOMER ACCEPT
SECURE TRANSACTION

04
THE STORE RECEIVES
THE RESULT OF TRANSACTION

05
THE STORE DECIDES TO RECEIVE
IN BWN OR LOCAL CURRENCY

06
THE STORE
RECEIVE PAYMENT

In short, WINGS PAY allows the following types of transactions:

- Purchase of online goods and services
- Purchase of online goods and services
- Purchase of applications in Wings Playstore
- Recurring payment services (periodic payments)
- Money transfer from person to person (peer to peer).

And, in addition, it offers a solution to legal problems, fictions and fluctuations based on the following points.

- **Legal:** merchants from all countries who use WingsPay may receive in their local currency, the economic consideration of the sold product or service. The maximum limit for each transaction is based on local regulations of cash payment limits that vary from one country to another. The customer pays in Bitwings and the merchant receives the amount in fiduciary currency for the exact amount of the value of the sold good or service.
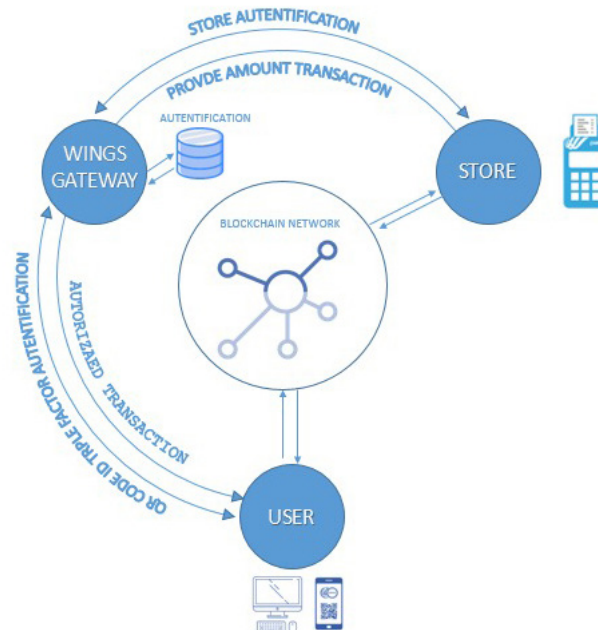
- **Tax:** due to the receipt of the payment in local currency, and the perfect correspondence of the amount received with the price of the paid products, there is no tax alteration; therefore, all sales will be declared in local currency as a simple matter of payment in cash.

- **Volatility:** thanks to the Real Time Value system, designed by WingsMobile to provide an immediate exchange tool to the payment gateway, Wingspay guarantees the correct and real exchange, interacting with the Exchange where the Bitwings token will be listed. The merchant will receive the exact amount of the value of the sold good or service.

WINGSPAY will be fully compatible with each jurisdiction in which it operates, with rigorous processes to identify its Client (KYC) and respecting all preventions and provisions against Money Laundering (AML).

The BITWINGS token as a result becomes an effective and immediate means of payment, which can be used in the WINGS MOBILE ecosystem to purchase technological products and services, not only online (automatically, through Smart Contracts) but also offline, through a growing network of stores and specialized service points (Wings Stores).

6.1 Brand, product and associated experience.

WINGS MOBILE wishes to share with the market the five values of its brand, through its developing technology and the expansion of its business model.

Brand

values

Wings
m o b i l e

SECURITY
Security for all of those who own an ewallet and operate in the blockchain market.

PRIVACY
Privacy for all of those who do not want their telephone conversations or sensitive information to be intervened by third parties.

EQUITY
Democratize technology, working towards a fair price for smartphones and laptops that does not penalize people based on where they live.

WARRANTY
Guarantee the issue value of the WINGS MOBILE token (called BitWings), regardless of the cryptocurrency market fluctuations.

USABILITY
Encourage the use of cryptocurrency (Bitwings) as a means of payment for the purchasing of goods and services, overcoming the fictitious role that many others have, only exchangeable for other fiduciary currencies or other cryptocurrencies.

What product and associated experience are we offering?

We offer electronic devices, smartphones and laptops, which are integrated into native futuristic applications that allow raising the privacy / security standards, especially oriented to the cryptocurrency market.

We want to offer users the freedom to continue using their favorite applications while maintaining their habits, but increasing their level of security through a "virtual armored area" protected from unwanted access.

Likewise, WINGS MOBILE, through the BTCW service (Bitwings Token Collapse Warranty), eliminates fears and uncertainties associated with market fluctuations that could collapse the value of the Bitwings purchased in the ICO, once the exchange mechanisms are established in the trading platforms.

This protection is articulated through an innovative practice that characterizes the ICO of Bitwings (explained in detail in point 7), and that should be a common practice among companies that already have a track record of success and a solid infrastructure: the value of guaranteed issue.

6.2 Customer segmentation - objective.

We have identified six different customer segments, namely:

Crypto Trader: Refers to anyone who operates in the world of Blockchain and generates cryptocurrencies through trading or "mining", and needs to raise the security standard on the vulnerability of their eWallet and, in general, on the accessibility of their device; aspects that we make possible through SAFE CORE © and the Triple Factor Authentication.

Technology supporters: those who are looking for high performance associated to high technology, especially in mobile devices. They can check unconventional quality standards through our high-end smart phone - Wings WX © with 8 cores with a semi-solid 5000 mah battery. The perfection of the product will attract your attention and interest. Our goal is to convince those who are most demanding.

Privacy defenders: those whom for work or personal reasons want their telephone conversations to remain anonymous and in no case can be intercepted or stored by external applications. We will be your best suppliers through SECURE CALL © AND WINGS DATA ©.

Ico Traders: those who carry out speculative transactions in the blockchain market focusing on the evaluation of tokens issued by Start-ups through the ICO (Initial Coin Offering) model. Thanks to our exclusive BTCW service (Bitwings token contraction guarantee) © we offer a security guarantee on the possible failure of the token, after entering the exchange platforms, thanks to the contractual guarantee of the issue value.

Entrepreneurs: Those who look for new opportunities to do business and generate a solid and lasting benefit. Through the territorial distribution of WINGS STORE FULL BRAND © and WINGS STORE MULTI BRAND © we have launched an innovative collaboration and distribution model that can access unconventional (extraordinary) margins in a market where sales volume are increasing exponentially each year.

Influencers: Those who enjoy a great reputation through their network of online contacts can climb a step further by enabling their followers to participate in the business, creating a community of users who by enjoying regular services (mobile communications) may be generating income and additional earnings, through our compensation and affiliation plan, or our commercial strategy, WINGS SOCIAL MARKET.

6.2.1. Why do people choose us? Where is our strength?

Because the greatest benefit we provide to our customers, that is, high security against hacker attacks and privacy protection for photos, videos, chats and phone conversations, is offered through smartphones and laptops or devices that are now an integral part of any individual's daily life.

Crypto Trader must select WINGS MOBILE because it can have in a single device the security and the guarantee that only cold storage hardware can offer against external attacks; while maintaining the versatility and compatibility of a smartphone.

Technology supporters should select WINGS MOBILE because they often seek something that would distinguish a device from others. Wings WX has the most powerful processor in its class and the highest performance battery.

Privacy advocates should select WINGS MOBILE because through Secure Call it is possible to bypass, for the first time ever, the problem of the "man in the middle" and thereby make their telephone conversations inaccessible (even to control authorities and organizations).

ICO Traders must select WINGS MOBILE because their token, unlike most other ICO, is based on a real economy. It also provides the exclusive BTCW service (Bitwings token collapse guarantee) © or a security guarantee on the possible collapse of the token, in the subsequent exchange phase, thanks to the commitment to preserve its emission value.

The entrepreneu should select WINGS MOBILE because he/she will have the possibility to start a business by accessing cutting-edge products in a market whose turnover increases exponentially each year, with very measured and smart investments and very interesting and break-even compensation models; through WINGS MOBILE STORE FULL BRAND © or WINGS STORE MULTI BRAND ©.

The Influencer should select WINGS MOBILE because it will have the opportunity to monetize its own network of followers through affiliate marketing that, for the first time, allows you to obtain a profit of more than 25% in telephony products.

6.2.2. Why should customers integrate into the Wings ecosystem rather than not doing anything?

Because the greatest benefit we provide to our customers, that is, high security against hacker attacks and privacy protection for photos, videos, chats and phone conversations, is offered through smartphones and laptops or devices that are now an integral part of any individual's daily life.

The growing distrust of users towards insecurity, or increasing concerns about the evidence that unauthorized third parties can take control of your data and communications without your consent, is becoming an emotional state increasingly ingrained in peoples mind. For this reason, offering a solution to these "anxious states" - without the need for the user to change their habits - is a winning element in our favor because it will lead the consumer to choose the next smartphone or laptop not only for their capabilities or design, but also because it is "Crypto and privacy friendly".

The lever of negative emotion is then strengthened by leveraging the positive emotion that the supply generates or recognizes socially; so that one can "have something to share to others." One simply needs to appreciate the trend that mobile phones have had over the years to make a prediction of what can we expect...
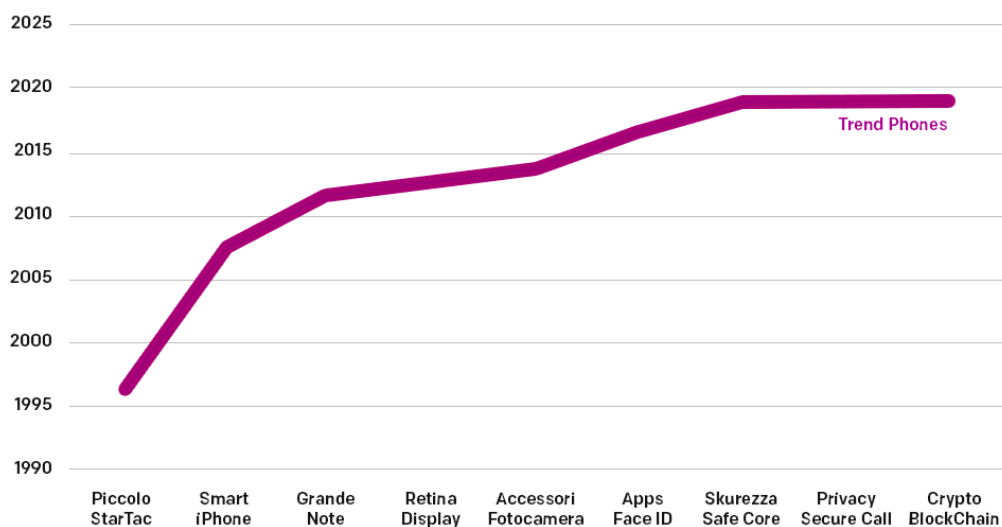
We can observe how each period there has been a specific trend for which each company has had, at least for a period of time, the leadership in the market and even and has come to associate its brand with the historical period itself.

1996: A trend towards reducing the size of mobile phones - Motorola StarTac

2007: Smartphone Trend - Apple iPhone

2011: A trend towards making mobile phones bigger - Samsung Note

2012: A trend towards improving the screen resolution - Apple Retina Display

2016: A trend towards making accessories different - camera technology

2018: A trend towards making Applications different - Face ID

2019: Security Trend - WINGS MOBILE Safe Core and triple authentication factor

2019: A trend towards privacy - WingsSecure Call

2019: A trend towards encryption - BlockChain Phone

6.3 Brand positioning

WINGS MOBILE

WINGS MOBILE is a mobile telephony operator, a software company and an electronic products manufacturing company that, unlike other manufacturers that compete continuously in the technical specifications, has chosen "security" as the main focus of differentiation, presenting the market the first CryptoPhone with an internal cold storage system, and 100% compatible with all existing applications in the market.

BITWINGS

BITWINGS is WINGS MOBILE token that, unlike other cryptocurrencies, bases its value on the real economy, being an effective means of payment, and also immune to market fluctuations once it enters the trading platforms, due to its guaranteed issue value.

Brand name: *WINGS MOBILE*

WINGS in English means "wings": the selection of the name is synonymous with freedom. Freedom for the end user to:

- Opt for technologically innovative products at a socially correct price.
- Use VoIP telephony services in a simple and integrated way.
- Save on national and international phone calls.
- Ensure your privacy.
- Feel safe and secure at all times.

Brand name: *BITWINGS*

Bitwings comes from the acronym Bit & Wings, which is the merge between the virtual world of cryptocurrencies and the structured world of the real economy. This combination strengthens and feeds the two business areas, making each element unique and innovative:

- WINGS MOBILE is the first mobile telephony operator to enter the blockchain era
- Bit Wings is the first cryptocurrency that enters strongly into the world of the economy and real markets.

WINGS MOBILE LOGO

The logo is never chosen randomly As per WINGS MOBILE, we wanted to represent it through the modern redesign of a stylized wing, formed by three individual wings of different colors.

The three individual wings with different colors represent:

- Technology
- Services
- Distribution

Colors used:

YELLOW: Refers to the color that most reminds us of the Sun, therefore it expresses a movement of expansion. Yellow is therefore, a search for new things, a change, and the freedom of schemes.

BLUE: Symbolizes calm, water, sky, harmony, trust, cleanliness and loyalty. After sometime, this color produces an effect of tranquility, satisfaction and harmony, transmitting a sense of security and confidence.

VIOLET: Synonym of intelligence, knowledge, sanctity, sobriety. It is the color with the highest frequency and the highest energy of the visible spectrum. It is the color of communication and the color of the right (analog) brain.

BITWINGS LOGO

It is created using the adapted Wings symbol in a horizontal version, emulating the letter W. This element highlights and reinforces the link between BITWINGS & WINGS MOBILE.

Colors used:

VIOLET: Synonymous with intelligence, knowledge, sanctity, sobriety. It is the color with the highest frequency and the highest energy of the visible spectrum. It is the color of communication and the color of the right (analog) brain.

WHITE: It represents light, simplicity, sun, air, enlightenment, purity, innocence, chastity, holiness, the sacred, redemption. The white light contains the seven colors of the iris, it vitalizes, regenerates the body and clears the mind.

6.3.1 Comparison of devices: main brands

We observe a technical comparison between the various mobile devices of the most important brands currently on the market:
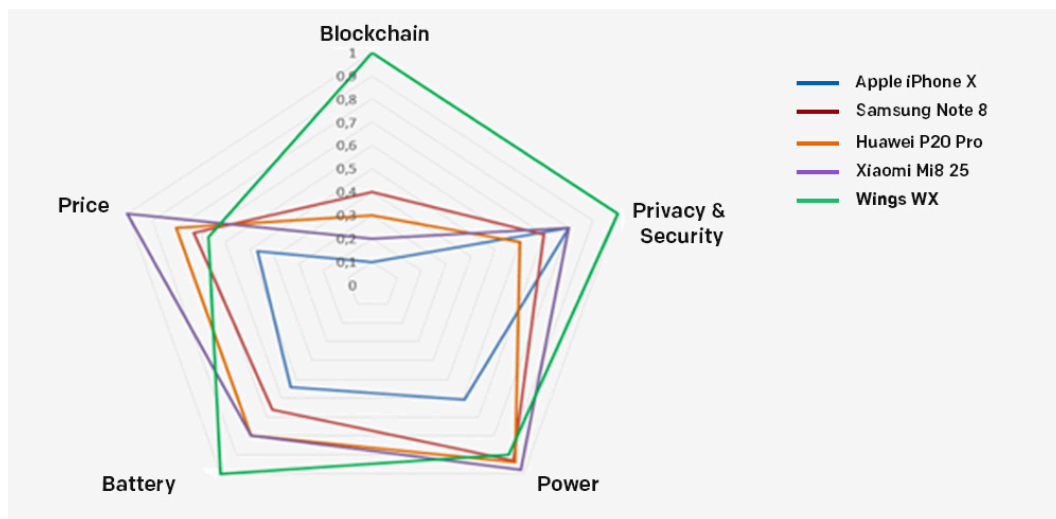
The previous graph expresses a comparison in objective terms (evaluable / measurable) of several terminals, associating relative scores for each of them in five main attributes that influence their technical leadership position, i.e.,: power, battery, price, privacy / security, and adaptation to the Block-Chain universe.

For each category, a maximum score (value 1) is awarded to the best placed device: the one with the highest performance or the lowest price, ... Then it recalculates the scores of the remaining devices according to their characteristics compared with the leader, in the form of decreasing decimal scores. So, for example, if the leader in battery has a brand of 5,000 mah and that equals to 1, the device that had a battery with 3,300 mah would be equivalent to 66% of the leader or, in other words, a score of 0.66.

DEVICE	BLOCKCHAIN	PRIVACY	BATTERY	POWER	PRICE
Apple iPhone X	NO	Face Id	2716 mAh	6 Core 2.1 GHz	$ 1.149
Samsung Note 8	NO	Iris Scanning	3300 mAh Litio	8 Core 2.3 GHz	$ 950
Huawei P20 Pro	NO	Face Id	4000 mAh Litio Polonio	8 Core 2.4 GHz	$ 900
Xiaomi Mi8 Mix 25	NO	Face Id	4000 mAh Litio	8 Core 2.8 GHz	$ 750
Wings WX	E-WALLET	SAFE CORE 3FA SECURE CALL 2.0	5000 mAh Litio Semi sodio	8 Core 2.0 GHz	$ 999

The differential positioning of WINGS WX is evident.

6.3.2. Is there a market?

A reasonable idea may be to think that the telephony and electronic devices market is at a stage of maturity, and that the control of the main smartphone manufacturers is taken at its totality; so that there is an unbreakable oligopoly in the hands of the most famous multinationals such as Apple, Samsung, Huawei, Xiamoi and OPPO.

But the reality is very different because there is an alternative market, well established but also in constant evolution which offers services and sells products to all of those seeking other types of solutions. And the dimension of the global market, let's not forget, is immense.

What numbers are we talking about? Through a sectoral study carried out by Gartner in February 2018, we observed some very interesting data. One can simply say that in 2017, the "antagonist" producers exceeded 41% of the market share with a number of units sold equaling 638 million.

Worldwide Smartphone Sales to End Users by Vendor in 2017 (Thousands of Units)

VENDOR	2017 Units	2017 % Market Share	2016 Units	2016 % Market Share
Samsung	321,263.3	20.9	306,446.6	20.5
Apple	214.924.4	14.0	216,064.0	14.4
Huawei	150,534.3	9.8	132,824.9	8.9
Oppo	112,124.0	7.3	85,299.5	5.7
Vivo	99,684.8	6.5	72,408.6	4.8
Others	638,004.7	41.5	682,915.3	45.7
TOTAL	1,536,535.5	100	1,495,959.0	100

Source: Gartner (February 2018)

These are important numbers and they comprise reasonable doubts for all of those who may believe that the market share is unchangeable.

In a market where consumers' habits and desires are increasingly focused on details and innovation, anticipating a trend and building their own exclusivity factor, such as security and privacy for WINGS MOBILE, it can definitely be a winning card for a company producing smartphones. Don't you think so?

6.4 Business development strategy.

Distribution is one of the most important factors that determine the outcome of the business project. Many large initiatives, with innovative products and even with sufficient financing are unable to implement their strategy because they cannot place their products on the market and reach their final audience. In fact, less than 10% manage to do so.

Therefore, product innovation is not useful if the distribution plan is not carefully designed and solved.

The current distribution system in the electronics sector (PC, Smartphone, TV, Game, Gadgets, Accessories) does not leave much room for products with a new brand, and are based on traditional guidelines that nowadays are being questioned.

Huawei, Xiomi or Samsung, follow the footsteps of Apple, creating their own network of mono-brand physical stores, while guaranteeing stable sales prices and constant presence in the market.

The market is constantly evolving, modern and current technologies change user habits and buying-selling formulas. With the help of statistical user studies, at Wings Mobile we have focused on 3 elements that we consider important to create a new way of distributing services and products. The fundamental elements are:

- 80% of users buy through recommendation
- 60% of users actively use social networks
- 55% of users buy online.

From these statistical indicators, we have constructed a new form of distribution, which we call SELFDISTRIBUITION, based on six main elements: SDK, Business Units, Social Market, Network of physical stores, sales professionals and OEM.

6.4.1 SKD

As described in the previous chapters, the possibility of establishing a single price in all the countries served by the WINGS MOBILE distribution is linked to the creation of SKD centers (assembly centers) strategically distributed in countries that enjoy the privileges of being part of "free trade" areas and enjoy free trade agreements under the umbrella of the World Trade Organization (WTO).

In this way, by taking those countries as the center of production, the products can be distributed to their areas of influence, with which they share privileged commercial agreements, thus eliminating tariffs and extra fees. For example, throughout Peru or Colombia, almost all of South America can be serviced without suffering customs duties. This factor is essential to guarantee a single price and achieve the objective of EQUITY.

Obviously, main markets such as Europe and North America, which already enjoy bilateral agreements with China, the creation of SKD centers will not be needed.

The purpose is to establish five large assembly and production centers to serve three major influence areas (LATAM, Africa and Southeast Asia):

- In 2018, two assembly centers are planned in Peru and Colombia, under the privileged trade regime of the Mercosur agreement (initially established by Argentina, Brazil, Paraguay and Uruguay, later on Venezuela and Bolivia) and the Pacific Alliance (Chile, Colombia, Mexico and Peru).

- In 2019, two SKD centers will open in Tunisia and Egypt to serve the African continent under the commercial benefits of the CFTA (African Free Trade Area), resulting from the African Free Trade Agreement among the 55 members of the African Union) and COMESA (the Common Market of Eastern and Southern Africa, a customs union founded in December 1994, with twenty members, ranging from Libya to Zimbabwe).

- Finally, in 2020 the Asian market will be addressed, establishing a SKD center in the Philippines, from there to channel the supply to the countries that make up the ASEAN (Association of Southeast Asian Nations), a free trade market of 600 million people.
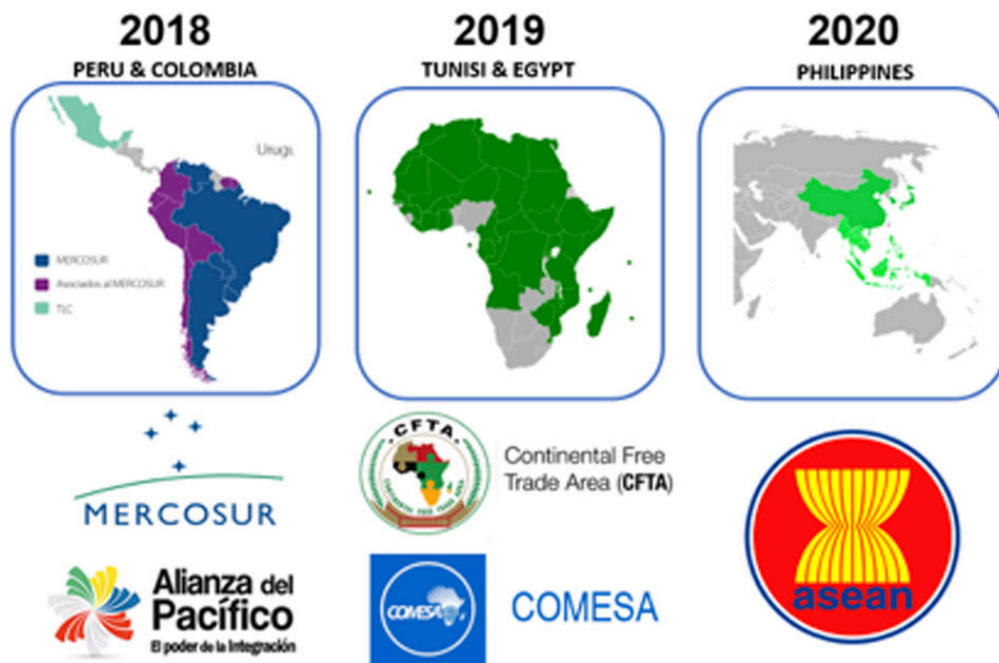
6.4.2 Business Units

In each of the countries in which WINGSMOBILE will be present, a business unit will be created, with the responsibility of coordinating all actions of the territory, as well as to manage and distribute the products / services through the local affiliate network.

This form of organization:

- **1.** Allows direct control over all phases related to the distribution of products and services: import, logistics, administration and marketing.

- **2.** It is consistent with the decentralized philosophy of the company: each territory has its administrative features (necessary licenses, commercial representation contracts …), financial (management of cash flows, local means of payment …).

BUSINESS UNIT	OPERATIVE DATE	DEVICE UNIT YEAR	MEDIUM PRICE DEVICE	REVENUE	AFFILIATI 20% SALES	STOREs FULL 50% SALES	STORE MUL-TIBRAND 30% SALES
ITALIA	4º QUARTER 2018	50.000	€ 432,33	€ 21.616.666,67	10.000	52	75
PORTUGAL		50.000	€ 432,33	€ 21.616.666,67	10.000	52	75
ARGENTINA		50.000	€ 432,33	€ 21.616.666,67	10.000	52	75
COLOMBIA		50.000	€ 432,33	€ 21.616.666,67	10.000	52	75
ECUADOR		50.000	€ 432,33	€ 21.616.666,67	10.000	52	75
PERU		50.000	€ 432,33	€ 21.616.666,67	10.000	52	75
FRANCIA	1º QUARTER 2019	50.000	€ 432,33	€ 21.616.666,67	10.000	52	75
GERMANY		50.000	€ 432,33	€ 21.616.666,67	10.000	52	75
UK		50.000	€ 432,33	€ 21.616.666,67	10.000	52	75
BRAZIL		50.000	€ 432,33	€ 21.616.666,67	10.000	52	75
MEXICO		50.000	€ 432,33	€ 21.616.666,67	10.000	52	75
AUSTRIA	2º QUARTER 2019	20.000	€ 432,33	€ 8.646.666,67	4.000	21	30
GREECE		20.000	€ 432,33	€ 8.646.666,67	4.000	21	30
IRELAND		20.000	€ 432,33	€ 8.646.666,67	4.000	21	30
NETHERLANDS		20.000	€ 432,33	€ 8.646.666,67	4.000	21	30
CANADA		50.000	€ 432,33	€ 21.616.666,67	10.000	52	75
CHILE		20.000	€ 432,33	€ 8.646.666,67	4.000	21	30
USA		50.000	€ 432,33	€ 21.616.666,67	10.000	52	75
BELGIUM	3º QUARTER 2019	20.000	€ 432,33	€ 8.646.666,67	4.000	21	30
BULGARIA		20.000	€ 432,33	€ 8.646.666,67	4.000	21	30
HUNGARY		20.000	€ 432,33	€ 8.646.666,67	4.000	21	30
LUXEMBOURG		20.000	€ 432,33	€ 8.646.666,67	4.000	21	30
POLAND		20.000	€ 432,33	€ 8.646.666,67	4.000	21	30
ROMANIA		20.000	€ 432,33	€ 8.646.666,67	4.000	21	30
BOLIVIA		20.000	€ 432,33	€ 8.646.666,67	4.000	21	30
PANAMA		20.000	€ 432,33	€ 8.646.666,67	4.000	21	30
PARAGUAY		20.000	€ 432,33	€ 8.646.666,67	4.000	21	30
URUGUAY		20.000	€ 432,33	€ 8.646.666,67	4.000	21	30
CROATIA	4º QUARTER 2019	20.000	€ 432,33	€ 8.646.666,67	4.000	21	30
CZECH REP.		20.000	€ 432,33	€ 8.646.666,67	4.000	21	30
SLOVENIA		20.000	€ 432,33	€ 8.646.666,67	4.000	21	30
SLOVACCHIA		20.000	€ 432,33	€ 8.646.666,67	4.000	21	30
SWEDEN		20.000	€ 432,33	€ 8.646.666,67	4.000	21	30
COSTA RICA		20.000	€ 432,33	€ 8.646.666,67	4.000	21	30
GUATEMALA		20.000	€ 432,33	€ 8.646.666,67	4.000	21	30
HONDURAS		20.000	€ 432,33	€ 8.646.666,67	4.000	21	30
TOTALES		**1.110.000**		**€479.890.000,00**	**222.000**	**1.156**	**1.665**

Each Business Unit is managed by five main figures: Executive Director, Commercial Director, Store Director, Logistics Manager and Marketing Director. National call centers will be created at each Business Unit for technical assistance and customer service activities.

The main markets for 2018 and 2019 are the European markets (Western and Eastern Europe) and the American continent (North America, Central America and South America). By the end of 2019 and 2020, the joint venture will be organized in the Asian and African markets.

The previous table, there is a summary of the schedule foreseen for the global implementation of WINGS MOBILE:

- The opening dates of the different business units are divided into three different waves, which correspond to the start-up continents in order (Europe, USA and LATAM), Africa and Southeast Asia. The table shows the details of the first wave, which will be completed in Q1 2019 with three different sub-phases:

  - Q3 2018: in September 2018, business units will open in Colombia, Ecuador and Peru.

  - Q4 2018: Europe (France, Germany, Italy, Portugal and the UK) and two large countries of the American continent (Mexico and Brazil) will have their openings. In doing so, the forecast is to finish 2018 with 11 established business units.

  - 1Q 2019: all other countries included in wave one

- The minimum sales forecast volumes for the first year are minimum and conservative. The first full year of implementation should be resolved with no less than 1 million devices sold through 216,000 affiliates.

- With the forecasts of average prices and estimated demand (based on the start-up of the company, in Spain), once the first wave of implementation has been completed, it should start consolidating at an annual turnover equivalent to almost 467 million euros

- The estimated number of physical stores (in any of its forms, which are explained in the following pages) would exceed 2,700 in 2019, and would exceed 10,000 units by 2020.

6.4.3 Wings Social Market

The market is constantly evolving, modern and current technologies change the habits of users who adapt every day to new sales formulas and purchasing methods.

Wings, through its e-commerce portal, has created a real affiliate program called Social Market, which aims to monetize the communication that users keep daily on social networks (WhatsApp, Facebook, Instagram, etc.) to advertise and disseminate WINGS´s MOBILE advertising content.

A network is thus cultivated in which "affiliates" (distributors) can prescribe the products / services of WINGS MOBILE using a personal link, which they can redirect to our commercial website using their personal websites / social network profiles. And customers who buy from this link will generate a commercial margin for the affiliate equivalent to 25% of the value of the purchased product. The margins normally offered by e-commerce affiliate programs, to cite Amazon´s, do not exceed 3% of the sale price of the product.

To help the affiliate in the promotional efforts through their personal websites, blogs, social networks, WhatsApp, etc., they are given access to an On Line administrative office and also to a CRM where they can verify sales, commissions and use the media marketing tools, created specifically for those who have no knowledge of online marketing.

To make the social market viral, WINGS MOBILE also rewards the affiliate with indirect commissions generated by products sold by other sub-affiliates that have joined the Social Market through the reference link advertised by the affiliate.

In only FOUR months, more than 1000 affiliates have registered and collaborated with WINGSMOBILE

The SOCIAL MARKET also responds to a philosophy of equity and social integration, as it becomes a useful tool, available to many people, who can take advantage of a widespread service (mobile communications) to obtain an additional source of information. income, either as a result of a full-time business interest, whether part-time.

6.4.4 Wings Store

The WINGS STORE, is an alternative form of franchise. Unlike franchises, there are no geographical limitations due to the weight of the transactions through the Social Market. In this way, the figure of the affiliate is more similar to that of a main franchisee.

Each Wings Store affiliate can in turn offer new Wings Store affiliations, thereby generating indirect commissions on their sales.

The WINGS MOBILE store responds to two categories:

- WINGS STORE MULTI BRAND
- WINGS STORE FULL BRAND

WINGS STORE MULTI BRAND is a solution designed for all existing electronic, computer and telephone shops that, through the location of our "Wings Space", physical exhibitors with digital multimedia screens, integrate the new lines of WINGS MOBILE devices, which coexist harmoniously with the existing ones.
.

WINGS MOBILE FULL BRAND is a solution designed for all entrepreneurs who would want to manage a specialized center in consumer electronics associated to innovation, and cutting edge solutions aimed at safety. All products within the store are exclusive WINGS MOBILE products.

To facilitate and speed up the expansion of the distributor network, WINGS MOBILE has created "all-inclusive" offers, in which exhibitors and exhibition furniture are offered free of charge. The affiliate pays only the product stock (at its purchase price, with a discount), and receives everything necessary to start the business successfully.

All Wings stores are equipped with Wings Pay, the exclusive payment system that through blockchain technology allows you to pay securely with our cryptocurrency, Bitwings.

STORE MULTI BRAND   **STORE FULL BRAND**

6.4.5 Professional Sales

In addition, in order to reach business users in a professional manner, WINGS MOBILE will create an alternative distribution line through professional sales agencies. These agencies are direct sales channels that, through specialized and professional sales teams, will be directed to the target audience (companies), promoting the corporate offerings of WINGS MOBILE, and which will be supported by the supply of telephone devices.

Companies represent an important customer target for WINGS MOBILE, since for professional reasons they need to have terminals that guarantee privacy protection, secure calls, roaming with important savings, cheap or free international calls; and a secure and impenetrable cold storage, where to keep protected documents, images and applications containing sensitive data.

Thanks to the products and corporate offers in which WINGS MOBILE works (including the delivery of terminals financed in 12 months), a highly attractive remuneration package has been designed that will allow the rapid expansion of the network of commercial collaborators in the service of expansion of WINGS in the business segment.

6.4.6 Wings OEM

The majority of mobile phone operators, pursuing commercial success and a greater connection with their customers and users, have invested enormous amounts of money in RCS (Reach Communications Service) technologies, trying to make their user base use their messaging applications, videos and calls. Nonetheless, and unfortunately, all these initiatives have not had the desired performance for the following reasons:

- The user downloads the application but forgets to use it.

- The RCS services are not of quality, they do not add anything regarding the programs that are normally used (WhatsApp, etc.)

WINGS MOBILE follows the RIM model (blackberry) that offers telecommunications operators the possibility to market their devices in OEM (Original Equipment Manufacturer) or Co-Branding mode, while offering the exclusive services included in these devices.

These are the main advantages for operators:

- Income by marketing devices

- Income from sales of services present within the phone.

- Agreements to use the termination of the operator's telephone in the distribution areas

- Retention of the customer base thanks to the financing of the equipment in 24 months.

- Excellent value for money-innovation

There are existing agreements with the main telecommunications operators for cobranding distribution of WINGS MOBILE devices.

The following table shows a map of estimates associated to this new business space, and that are derived both from the ongoing and future agreements:

OEM

MOBILE OPERATOR AGREEMENT	DATE	MOQ	AVERAGE DEVICE VALUE	REVENUE
1	2Q 2019	20.000	432 €	8.640.000 €
2	4Q 2019	20.000	432 €	17.280.000 €
4	2Q 2020	20.000	432 €	34.560.000 €
6	4Q 2020	20.000	432 €	51.840.000 €
Total revenue OEM				112.320.000 €

7.1 WINGS MOBILE Token (BWN)

The BITWINGS **(BWN)** is WINGS MOBILE token and is implemented in an intelligent ERC-20 contract connected to the blockchain of Ethereum.

BWN is a crypto active that, unlike many other "market-crypto" options, provides a value based on its true "currency" nature ...

- ...Its strength is based on the real economy, and particularly linked to innovation: not in the evolution of Bitcoin, as with other cryptocurrencies.

- .... It is a medium of Exchange that can be used in the Wings Mobile ecosystem to purchase products and services both in the online channel and physical stores. Using it will grant a 10% discount of the price in the entire range of WINGS MOBILE products and services (see more details in section 4 of this document).

- ... It is a true value deposit, backed by guarantee of having its issuance value of $ 0.20, which is a protection against market fluctuations, once you participate in buying and selling platforms and exchanges..

The strength and explosive evolution experienced by WINGS MOBILE has motivated the BWN Initial Offer (ICO), which is necessary to strengthen the financial base of the project and address the Business Plan at the rate of expansion that the contrasted opportunities are demanding.

7.2 Initial offer of Bitwings and Token Allocation.

The monetary base of BitWings cryptocurrency (BW) will consist, upon completion of the process, of 300,000,000 tokens, of which 63% intend to be captured in the market through an Initial Currency Offer, which are detailed in the following pages.

The following table offers a general perspective,

Destination	Nº de Tokens	%
Reserve	60.000.000	
Team and advisers	15.000.000	
Bonuses program (Bounty, Airdrop and Marketing Bonus)	31.000.000	37%
Referral program	5.000.000	
Private Sale	30.000.000	
Public Sale - Phase 1	24.000.000	
Public Sale - Phase 2	30.000.000	
Public Sale - Phase 3	45.000.000	63%
Public Sale - Phase 4	60.000.000	
Base Monetaria Total (nº Tokents)	**300.000.000**	100%

The Initial Offer will be carried out in a series of phases, which will be accompanied by a powerful marketing activity to explain the entire project. The following diagram contains a summary of the destination of the issued tokens.
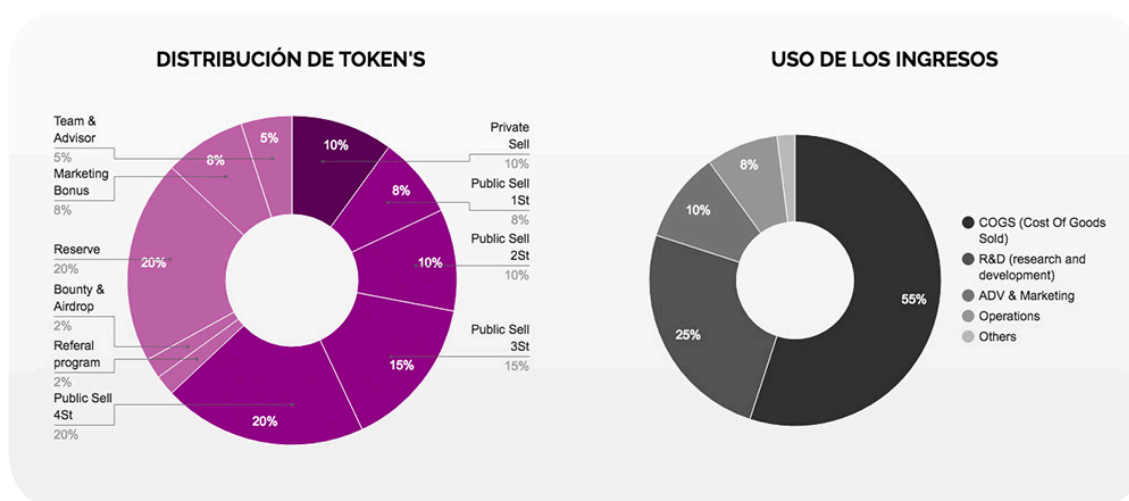
In total, the issuance of 300 million tokens will be as follows:

- The most important part, 63% of the total will feed the ICO in its private and public sale phases: these tokens will be available for purchase in a series of consecutive phases, details which are given in section 7.3.

- 20% will feed a reserve fund that will be managed by the company, which will be used with two main goals:

  - The first will be to counteract market destabilizing movements, to defend a sustainable revaluation of the token and combat, as much as possible, harmful speculations in the long term for the interest of BW holders.

  - And second of all, to have a fund of maneuver to promote new projects, linked to the development of graphene as the industrial vitamin of the WINGs Ecosystem, providing durability and autonomy to its communication devices (Smartphones), or developing disruptive equipment such as electric car prototypes of long radius, which is already being worked on.

- 5% will go to the internal Wings team and external advisors.

- The Bonus Program will have 10%, feeding the promotional activities related to the Bounty and Airdrop programs (described in detail in section 7.4)

- Finally, the Referral Program will have 1,7% of the Tokens, to encourage the next viral marketing: "mouth to ear".

WINGS MOBILE will not issue more BWN than those mentioned in their plans, thus leaving BWN money supply circumscribed to 300 million tokens. This limitation is reflected in the Smart Contract that supports all technological dynamics.

BWN can be purchased:

- In the Pre-sale Phase, through the exchange of BWN ERC20 tokens

- At the ICO, open to public participation, in several phases

- In the secondary market, once the ICO has concluded, either directly between people Peer to Peer), or through exchange platforms..

7.3 ICO Phases

The duration of the ICO will be 165 days, beginning October 1, 2018 and ending on March 14, 2019.

The process has been divided into two areas: a Private sale (Private Selling) and a Public sale (CrowdSell), with different promotional logic and a different target audience for each of them. .

PRIVATE SELLING					
START	**END**	**TOKEN**	**TIME**	**BONUS**	**USD**
01/10/2018	31/01/2019	30.000.000	92	50%	0,10

PUBLIC SELLING - 1st STEP					
START	**END**	**TOKEN**	**TIME**	**BONUS**	**USD**
15/02/2019	FINISH TOKENS	24.000.000	15	25%	0,15

PUBLIC SELLING - 2st STEP					
START	**END**	**TOKEN**	**TIME**	**BONUS**	**USD**
FINISH TOKENS 1st Step	–	30.000.000	15	15%	0,17

PUBLIC SELLING - 3st STEP					
START	**END**	**TOKEN**	**TIME**	**BONUS**	**USD**
FINISH TOKENS 2st Step	–	45.000.000	15	5%	0,19

PUBLIC SELLING - 4st STEP					
START	**END**	**TOKEN**	**TIME**	**BONUS**	**USD**
FINISH TOKENS 3st Step	31-12-2018	60.000.000	15	0%	0,20

7.3.1 Private Sale

It will last 92 days.
It will begin on October 1, 2018 and end on January 31, 2019.

Its main goal is to allow a small circle of buyers to purchase the BWN token with a 50% bonus. This opportunity will only be possible through a specific application, and once the responsible department approves the order.

PRE-SELL (PRIVATE SELLING)					
START	END	TOKEN	TIME	BONUS	USD
01/10/2018	31/01/2019	30.000.000	92	50%	0,10

In addition, during the application phase, the private buyer must give their consent to reserve a minimum order above a specific threshold. Without this consent, one will not be able to access the 50% bonus during the private sale.

7.3.2 Public Sale

It will last 60 days.
It will begin on February 15, 2019 and end on April 14, 2019.

Its purpose is to allow access to the platform of the general public so that they can make the purchase of Bitwings tokens effective.

CROWDSALE (PUBLIC SELLING) - 1st STEP					
START	END	TOKEN	TIME	BONUS	USD
15/02/2019	FINISH TOKENS	24.000.000	15	25%	0,15

CROWDSALE (PUBLIC SELLING) - 2st STEP					
START	END	TOKEN	TIME	BONUS	USD
FINISH TOKENS 1st Step	-	30.000.000	15	15%	0,17

CROWDSALE (PUBLIC SELLING) - 3st STEP					
START	END	TOKEN	TIME	BONUS	USD
FINISH TOKENS 2st Step	-	45.000.000	15	5%	0,19

CROWDSALE (PUBLIC SELLING) - 4st STEP					
START	END	TOKEN	TIME	BONUS	USD
FINISH TOKENS 3st Step	31/12/2018	60.000.000	15	0%	0,20

With the purpose of facilitating and rewarding buyers who show greater initiative in the purchasing of tokens, the public sale phase (Crowdsale) is divided into four stages, each with a discount in the purchase price which decreases with time:

- **Public Sale Phase 1:** 25% bonus on the official emission value 24 million of BWN available.

- **Public Sale Phase 2:** 15% bonus on the official issue value 30 million of BWN available.

- **Public sale Phase 3:** 5% discount on the official issue value 45 million of BWN available.

- **Public Sale Phase 4:** 0% bonus on the official issue value 60 million of BWN available.

7.4 Promotional activities

WINGS MOBILE, with the aim of further promoting the virality of its project so that its Mission and Vision are known by the greatest number of people, will use promotional programs during the various phases of the sale of BWN.

The goal of these programs is to allow "instant scalability", that is, to have a large number of users and, in some cases, high capacities, to increase the number of web marketing activities in number and frequency.

The following table shows graphically the temporal disposition of the various promotional programs, while the following subsections detail the benefits that these strategies can bring to ICO to reach the maximum limit of 300 million tokens.

7.4.1 Bounty Program

With an allocation of up to 1.25 million tokens, the purpose of the Bounty program is to viralize ICO messages through the preparation and dissemination of corporate material / articles / blogs / translations, in mass media (YouTube, Facebook ...) as specific (Bitcointalk ...)

WINGS MOBILE´S strategy is based on two main levers:

Redundancy
The Bounty program, as seen in the previous table, is divided into two steps to allow the distribution of content in different temporal contexts. This configuration allows not only to promote Bitwings, but to share knowledge regarding the entire corporate project.

Remuneration
A fundamental factor to allow a high and instant application process. WINGS MOBILE has decided to focus heavily on the remuneration lever by assigning each Bounty Marketer a maximum of 2,500 BWN or $ 500.

7.4.2 Airdrop Program

With 2 million assigned tokens, the aim of the Aidrop program is to encourage a large number of users to carry out a series of simple activities that allow WINGS MOBILE to increase its presence in social networks.

Likewise, Airdrop Marketers can contribute to sharing the Mission and Vision of the company, by performing paid actions with prizes of 50 BWN tokens or $ 10 ...

7.4.3 Diamond Bounty Program

It is the biggest bet of the WINGS MOBILE promotion program to which, through the allocation of 2,750,000 BWN (or $ 550,000) will encourage participation in two types of professional fields, Diamond Hunter and Diamond Marketer, which work three strategic levers:

Scalability
Through Diamond Hunter, the goal is to identify a highly professional figure that has achieved tangible and important results in the online marketing sector regarding cryptocurrencies and technology. With powerful compensation schemes, the purpose is to expand and scale exponentially WINGS MOBILE (5,000 BWN or $ 1,000) commercial network.

Exclusivity

The Diamond Marketer, for which WINGS MOBILE will accept only 50 candidates on an international scale, represents the highest level of experience and ''massive participation'' that a Networker / Influencer can achieve. Its objective is to share the Vision and Mission of WINGS MOBILE, and consequently, the BWN token, to its network and followers, which it exercises a very strong influence.

Compensation

In relation to a requested and highly professional profile, the compensation must also be proportional. That's why WINGS MOBILE with its own ICO is the first, through the Diamond Bounty, to provide the highest token award to the 50 Super Diamond Marketer. We are talking about 50,000 BWN or $10,000.

7.4.4 Double Referral Program

The referral program is a widely used promotion model that allows companies to expand their commercial network in digital channels to achieve objective and measurable results with a high probability index.

To further improve this tool, WINGS MOBILE has decided to activate the double reference program, or allow those who promote their ICO through their referral link (sponsor) to receive a rate equal to 2.5% when their contact (direct)) - which in turn receives a 2.5% bonus - buys the BWN tokens.

8. ROADMAP

TECHNOLOGY ROADMAP

COMMERCIAL ROADMAP

2Q 2017

- Developed the first Safe Hybrid Technology.

- Wings Mobile wins "**ALCI AWARDS**" for Technological DESIGN.

3Q 2017

- Developed the first prototypes of **W5** and **W2** smartphone.

- Wings Mobile presents the **Social Market Project**.
- Wings Mobile launches GSM Mobile Phone Services in **Spain**.

4Q 2017

- Developed the Wings back office
- Development and design of Laptop **Wings Book.**

- Launched the **W2** & **W5** models in the spanish market.

1Q 2018

- **Wings Energy** integration development, in Wings backoffice.

- **Laptop Wings Book** commercial launch

2Q 2018

- Development of new wings suite software & new wings dialer version
- Development of new **W2+** & **W5+** technological drawings.
- Development new **Wings Book** line.

- **Wings Energy** commercial launch

3Q 2018

- Prototype realization of **W2+** & **W5+** smartphones.
- Prototype realization of the new laptop **Wings Book.**
- Ico **Bitwings** technological development

- Pre launch in **Peru, Ecuador** and **Colombia**.
- Presentation of new smartphones **W2+** & **W5+**
- Presentation of new **Wbook** models.

4Q 2018

- New smartphone **W6** development.
- **Wings PAY** blockchain system development (off-line pos system).

- Launch of business units of: **Italia, Portugal, Argentina, Colombia, Ecuador, Peru.**
- Launch of the new smartphone **W2+** & **W5+** and of the new Wings Book Line.
- Launch crowdsale **Bitwings**.

1Q 2019

- Development of the new integrated softwares in the **X-Generation** series.
- Development of new devices x generation (**WX** & **Xbook**).
- Development of the **Safe Core** operating system.

- Launch new device **W6**.
- Participation in the **Mobile World Congress**.
- Launch of the new business units of: **Francia, Germany, UK, Brazil, Mexico**.

2Q 2019

- Prototype realization of the new **X-Generation** devices.
- Development **Wings PAY** blockchain system (on-line system).

- Launch of the new business units of: **Austria, Greece, Ireland, Netherlands, Canada, Chile, Usa**.

3Q 2019

- Stress test of **X-Generation** devices.

- World launch new **X-Generation** devices.
- World launch of **Wings PAY.**
- Launch of the new business units of: **Belgium, Bulgaria, Hungary, Luxembourg, Poland, Romania, Bolivia, Panama, Paraguay, Uruguay**.

4Q 2019

- Development of new **W3** & **W4** smartphone models

- Launch of the new business units of: **Croatia, Czech Rep., Slovenia, Slovacchia, Sweden, Costa Rica, Guatemala, Honduras**

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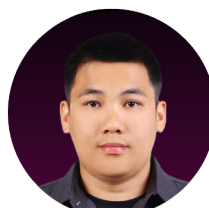Ico Advisor

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CLAUSES FOR RISK DISCLOSURE

The following are the risk factors associated to the activities carried out by WINGS MOBILE, for the purchase and use of its BITWINGS token:

- WINGS MOBILE is developing a complex hardware and software project and its release may be delayed due to unforeseen development challenges.

- The use of BWN tokens may be conditioned to the examination of governmental institutions.

- Ownership of BWN tokens may be subject to new and unpredictable tax laws that may destroy the benefits of BWN.

- The positions and plans described in this technical document could be modified as the project progresses.