



WINDHAN
Renewable Energy Project

BLOCKCHAIN BASED RENEWABLE ENERGY CROWDFUNDING AND TRADING PLATFORM
TO CONNECT PRODUCERS, INVESTORS AND CONSUMERS.

WHITEPAPER - V2.1

WINDHANENERGY.IO

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EXECUTIVE SUMMARY

Windhan is a blockchain-based ERC20 green energy Crowdfunding and trading platform which uses blockchain technology to create a more meritocratic next generation of renewable energy assets.

It connects energy buyers (households and investors or market makers) directly with green energy producers and creates an opportunity to purchase energy upfront at below market rates. It is a platform to combine energy developers, investors, and consumers through a global and decentralized network that allows energy assets to be funded and launched.

Windhan allows viable renewable energy projects to be listed on the platform while conforming to restrictions imposed by applicable laws. The platform is equipped with all the necessary tools to assist developers in raising money by soliciting small investments from a large number of people. It acts as a mediator through which investors as well as customers connect with developers. This inclusive approach will alleviate the need for large financial institutions, thereby expediting the funding process.

Once the platform is funded, asset-backed tokens will be minted to represent each investor's contribution. The revenue generated from "Projects" is distributed to investors in the form of energy credits (called Project tokens). Investors will be able to use Windhan's application to pay their electricity bill with WHN tokens - regardless of their utility company or location.

Windhan uses energy tokenization to standardize, simplify and open globally the currently existing energy ecosystem. Energy tokenization ensures liquidity and extends access to capital. Moreover, it provides access to live trading in renewable energy, globally for everyone.

Why Windhan?

Producers, Investors and Consumers in the renewable energy ecosystem face two major problems that Windhan will help to solve:

- ▶ The current process of investing in renewable energy projects is expensive. As a result, most investors concentrate on large projects and costs are excessive.
- ▶ Over one billion people on the planet remain in the dark without electricity. Small to medium sized renewable energy projects go unfunded because of the inability to connect investors and projects on a trusted, decentralized platform in a cost-effective manner.

How Windhan Works?

Windhan provides a solution for both problems by shifting from the current model to the Windhan. We will start by developing new services which will optimize financing and tokenized energy trading in the future.

Firstly, we will establish the Windhan 108 MW Flagship project in Kazakhstan.

The plan is to give the community asset backed projects combined with a renewable energy platform on the blockchain and enable them to finance and trade tokenized energy . In order to actually finance and trade tokenized energy one will

Windhan is Dedicated:

- ▶ To build the asset backed Windhan renewable energy project.
- ▶ To build a marketplace,where producers,investors and consumers can be connected , funded and trade renewable energy utilizing blockchain.
- ▶ To create a digitally-tradable crypto-token for renewable energy financing and trading.
- ▶ To take advantage of blockchain technologies and enable transparent transactions between producers,investors and consumer via smart-contracts.
- ▶ To connect renewable energy communities worldwide regardless of borders. To take an important step towards reducing global warming.

The Vision

Windhan is a project connecting the following areas:

Green Energy Producers, Investors, Consumers and Blockchain ecosystem; growth and development in each of these fields is important. Joined together into a new, disruptive model of energy financing and trading, they have the power to make our planet a better place to live in.

Supporting Windhan means supporting sustainability because it brings together energy producers, investors and consumers with common interests: to save money and to create a decentralized, smart and clean future.

Our primary objective and long term goal is energy project financing, trading and the tokenization of future energy, the Windhan renewable energy project and platform starts to address the problem of how the energy sector and blockchain technology fit.

Adoption of Blockchain Model in Windhan

The general idea behind the adoption of blockchain technology in the Windhan project is to allow decentralization and build security. In technical terms, blockchain can be described as a shared, replicated ledger system that is distributed across all members of a network through peer-to-peer technology.

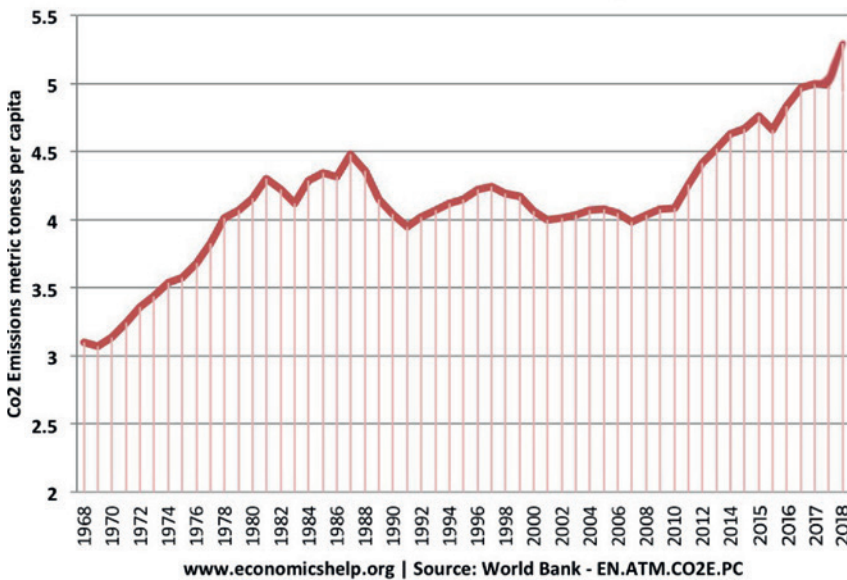
The advantages of blockchain are increased trust and minimization of time processes to take place. It also removes cost overheads and intermediaries such as third party vendors, corporates and governments. The adoption of blockchain in the Windhan Business model allows people to buy and sell energy amongst themselves.

The idea to build peer-to-peer based energy and electricity markets not only allows payment using cryptocurrencies but through blockchain technology a transparent exchange can also take place. In the Energy Sector, reducing costs is a priority. With blockchain, you don't need their third parties to make guarantees because it doesn't matter where you trust your trading partner. Instead, you just have to trust the data on the blockchain.

In order to use smart grids, a marketplace for trading power is required on a local level. Rather than create a centralized marketplace, smart contracts on the blockchain can be used to balance supply and demand locally as well as enabling peer-to-peer trade. Each user can register their preferences in the decentralized ledger (the blockchain).

Problems Addressed

World - CO2 emissions per capita



- ▶ Growth in global energy demand since the end of World War II has been consistent at a rate of 5.3% each year. It's continuing to increase worldwide as population, transportation, and economic production changes. This rapid increase in demand has created increasing pollution levels of carbon dioxide (CO2) in the atmosphere.
- ▶ Electricity generation has been the prominent cause of industrial air pollution in the world. 76% of our electricity comes from Coal, Nuclear, and other non-renewable sources. Generating energy from these reserves takes a relentless toll on our environment. The burning of hydrocarbons released nearly 30 gigatons of carbon dioxide in 2016, as well as toxic and harmful compounds such as Mercury, Nitrogen Oxide, and Sulphur Dioxide. Many countries are so dependent on oil and gas to produce electricity, that if the price was to increase significantly, it would have severe impact on those countries, potentially forcing the lights to go out. In 2017 only 10% of global energy consumed came from hydro, solar, and wind sources.
- ▶ Globally the aim is to diminish the dependency on non-renewable sources, to be less reliant on finite resources, reduce the amount of pollutants and create a brighter future for the generations to come. Whilst investment amounts in renewables has been increasing, there is still much room for improving the current ratio of non-renewable to renewable energy production and decreasing the environmental damage caused by greenhouse gas emissions.
- ▶ The increase in population results in depletion of non-renewable resources such as coal, oil, gas and others.

- ▶ On the plus side, there are many bright minds that are working towards a solution to the problem of being reliant of non-renewable energy. The problem for many of them is the inability to enact these ideas due to shortage of financial backing and investors.
- ▶ Despite having potential, the green energy market currently faces multiple problems. Institutional investors, individual investors as well as renewable energy developers all face different challenges. Green Energy Developers often find it difficult to raise funding for their project, especially if they come from less developed financial markets. Renewable projects involve large investments in infrastructure and equipment can cost from several million Euros to hundreds of million Euros. Hence, developers are forced to run lengthy and costly fundraising campaigns. Frequently, there will be several large investors who, through their greater negotiating powers, force unfavourable economic terms on the developers.
- ▶ Institutional Investors involved with green energy development often find themselves having large exposure to only a few mega-projects. Many fund managers have a mandate regarding cash liquidity and cannot participate in renewable projects because of the lengthy development timeline. For green energy focused funds, the deal origination is also a problem because of the high overheads of having multiple origination teams. As a result, these funds are often continue to the geographic location of their offices.

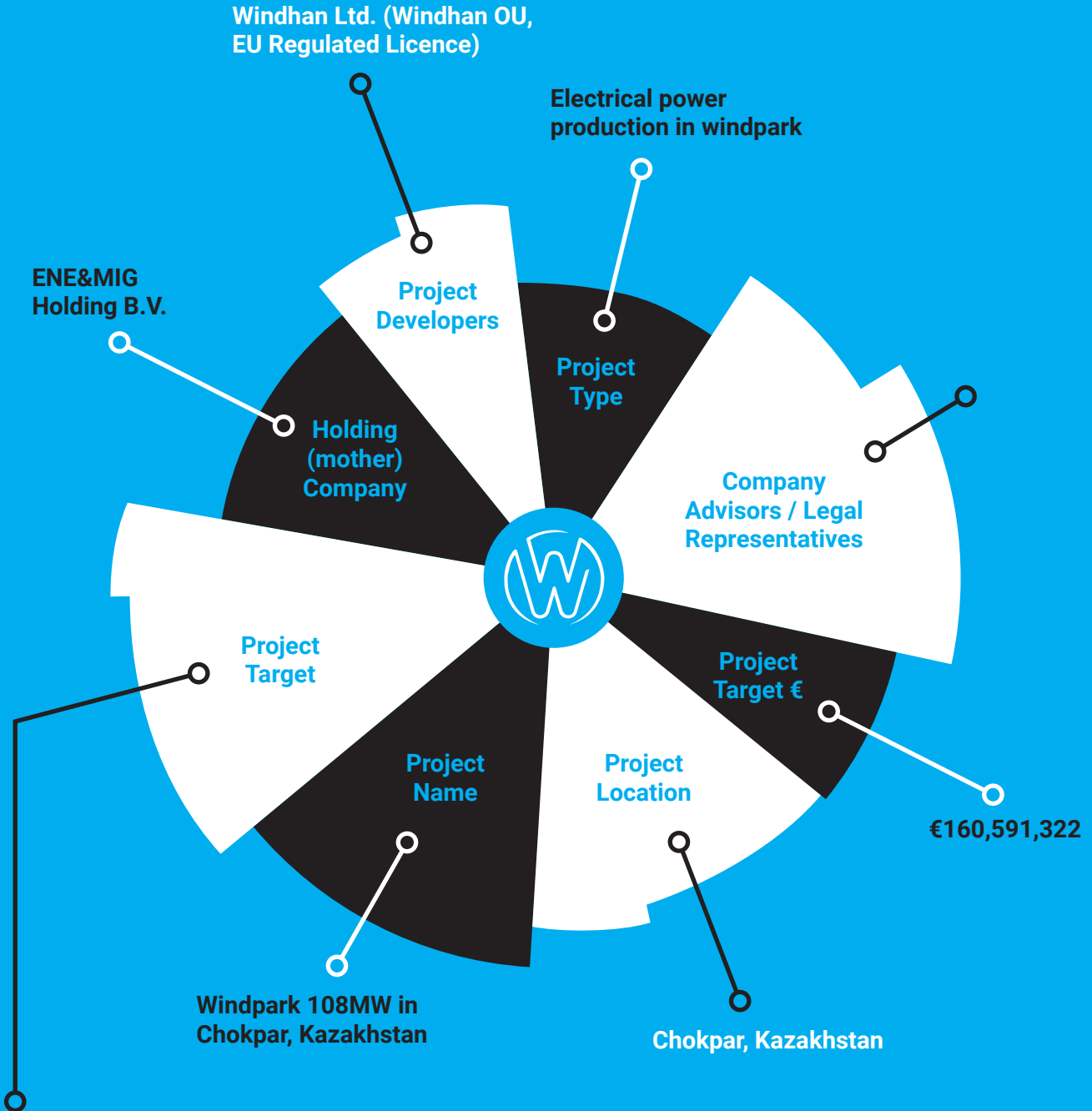
Individual Investors could foster renewable investments by collectively bringing in large pools of capital. However, most of them are not able to participate in this market. The sheer size of renewable projects makes it impractical for individual investors to participate. Green energy funds also have a minimum contribution limit, sometimes as high as € 100,000, leaving out most individual investors. Furthermore, individual investors may be exposed to unnecessary risks because they do not have the resources to conduct proper due diligence.

- ▶ The incentives for increasing renewable energy production that are accessible today largely reflect legacy ideas, as well as technologies and mechanisms that are inherently flawed and outdated. Participants in such programs are often frustrated by the fragmentation, administrative cost, possible fraud, and lack of focus on the real environmental impact.

The traditional solution for the problem has been to go to the bank and take a loan, which would then be invested in the project. The problems arising from this outdated and limited solution are multifaceted – the funds a bank can loan for a project are often limited and the bank's interest rate on the loan is high delaying profitability.

PROJECT BUSINESS MODEL

Short characteristics of the project



Sales of all produced electricity in windpark for a state guaranteed feed-in tariff for 15 years (from the moment of commissioning) to state owned Financial Settlement Centre For Support To Renewable Energy Sources LLP in Kazakhstan

Renewable Energy in Kazakhstan

- ▶ The Republic of Kazakhstan has enormous renewable energy potential, particularly from wind and solar energy. The country has the potential to generate 10 times as much power as it currently needs from wind energy alone.

At the moment renewable energy accounts for just for 0,6 percent of all power installations. Of that, 95 percent comes from small hydropower projects.

- ▶ Kazakhstan is a party to the UN Framework Convention on Climate Change (1995) and ratified the Kyoto Protocol in 2009. Kazakhstan has committed to reduce greenhouse gas emissions. Having more renewable energy in the energy balance of Kazakhstan is one of its priorities now as it is one of the most effective mechanisms to reduce the harmful effects of the energy sector and to diversify the national power generation capacity.

Renewable Energy Legislation in Kazakhstan and Feed-in Tariff

The purchase of electricity from renewable energy projects in Kazakhstan is guided by a number of legislation acts and laws including:

- ▶ Law on support of renewable energy from July 4, 2009;
- ▶ Resolution by the Government of the Republic of Kazakhstan No. 271 from March 21,2014 about Rules on determining fixed feed-in tariff rates;
- ▶ Rules on centralised purchase and sales of electrical energy from renewable energy projects by
- ▶ Financial Settlement Centre For Support To Renewable Energy Sources;
- ▶ Resolution by the Government of the Republic of Kazakhstan No. 645 from June 12,2014 about approval of fixed feed-in tariff rates;
- ▶ Resolution Nr.835 from July 28, 2014 by the Government of the Republic of Kazakhstan On approval of plan of renewable energy in Kazakhstan from 2013 to 2020.
- ▶ Based on the above legislation acts, the wind park project developed by Windhan Ltd. in Kazakhstan is granted the following benefits:
 - ◆ Guaranteed purchase of all produced electrical power for 15 year period from the moment of commissioning of the wind park by state owned Financial Settlement Centre For Support To Renewable Energy Sources LLP;
 - ◆ Fixed electricity feed-in tariff in amount of 22,68 KZT per kWh (without VAT). The feed in tariff is additionally annually increased and indexed to inflation rate in Kazakhstan and the currency exchange to EUR.

Project Description

General

For the development of the first project phase of 108MW, Windhan Ltd. has received all the necessary permissions, building permits as well as a signed Power Purchase Agreement. The project construction is ready to commence.

Location

The project will be located on the south/east part of Kazakhstan, 250 km to the west from city Almaty (please see the map below). The geographical location benefits from stable and strong easterly winds coming from the valley. The necessary land plot for the installation of the wind turbines as well as the access roads, substation and crane areas is already purchased and a property of Windhan Ltd. The location is with in steppe ground, with no households or farm land, allowing perfect turbine layout and operation.



Equipment & Technology

- Within the project developers will install 27 turbines Enercon E-126 (4MW) with 85 meter steel towers reaching 148m blade tip height.



Wind Speeds

- ▶ In December 2013 the developers installed wind measuring equipment on a 100m mast on the site to acquire bankable wind data and wind-park production data.
- ▶ The measurements were made for one full year 2014. The wind measurement system installation and wind data assessment was done by Swedish company “Telecontracting Scandinavia” AB and German company “Deutsche WindGuard” GmbH.
- ▶ The wind measurements proved the chosen site to be a perfect wind park location in Kazakhstan with the annual average mean wind speed of 7.8 m/s at 100 m height that is confirmed by Deutsche Windguard report.

Electrical Connection

- ▶ The site has excellent electrical connection as it is located right beside a substation where the planned 108 MW will be connected to the incoming 220 kV overhead lines. The distance from the newly built substation within the project to the connection point is about 3 km.

Access Route

- ▶ The site has very good rail and road access for transporting and erecting the wind turbines.

Project Status

- ▶ On April 2014 the developers signed an agreement for the technical project development of 250 MW with local Kazakhstan company JSC “Energy” who have great experience in energy projects in Kazakhstan (the company was formerly a subsidiary company of ABB). During the designing process the company involved longterm cooperation partners from Latvia “Empower” Ltd. that have been involved in designing and building wind parks, as well as other long range energy projects in Latvia.
- ▶ Windhan Ltd. has received all necessary permits and finished the technical design for the first phase of 108MW including:
 - ◆ The permit for connection of 108 MW to the 220 kV overhead lines; Aviation approval;
 - ◆ Civil construction approval;
 - ◆ General approval from state approval committee Gosekspertisa; Building permit

Additionally the company has signed a 15 year guaranteed Power Purchase Agreement with Financial Settlement Centre For Support To Renewable Energy Sources in Kazakhstan.

Project Construction Phase

After financial closure, the project developers will immediately start the construction phase. The construction time is expected to be 20 month.

The construction will involve 3 responsible main contractors:.

- ◆ ABB Ltd. - Civil and electrical construction of 220 kV substation, overhead and cable lines, roads and crane areas;
- ◆ Enercon GmbH - Production and delivery of windturbines and Project Management and Supervision of the construction;
- ◆ ASPMK-519 Ltd. - Installation of windturbines under Enercon turn-key supervision because of the construction license requirements in Kazakhstan.

Project Operation

After the commissioning of the windpark the turbine manufacturer will be responsible for the long term 15 year Service and Maintenance with a guaranteed 95% availability of the windpark.

The Full Service and Maintenance Contract includes, among others, the provision of repair and maintenance services, the supply of spare parts and components, and a full-term availability warranty for the wind turbines.

- ◆ Scheduled Maintenance ,
- ◆ Remote Monitoring of the WECs,
- ◆ Updates for the WEC control software,
- ◆ Corrective Maintenance,
- ◆ Procurement of Consumables, Spare Parts and Components,
- ◆ Transport of Consumables, Spare Parts and Components to the Site, installation and replacement (including any necessary crane operations) of Spare Parts and Components,
- ◆ Disposal of replaced Consumables, Spare Parts, Components and waste, access to the "Service Info Portal",
- ◆ Reporting and documentation,
- ◆ Telephone service line and support,
- ◆ Labour, including travel and accommodation for personnel,
- ◆ Tools, facilities and equipment,
- ◆ Compliance with the Availability Warranty.

Schematic Project Involved Main Party Structure



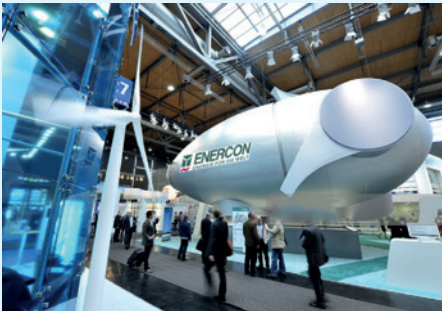
*NOTE: Local company ASPMK is required only because windturbines in Kazakhstan are allowed to build only to companies with highest Level 1 construction license. Most of the actual construction personnel will be provided from Enercon GmbH.

Project Investment Description

► Total project investments are: 160 591 322 EUR

The project development is planned in a way where wind turbine equipment manufacturer Enercon GmbH (Germany) is responsible for foundation and equipment delivery and turn-key construction, ASPMK is responsible for turbine and foundation installation and ABB Ltd. is responsible for all civil and electrical connection works including substation, access roads and crane area.

The main investments for first phase of 108 MW are as follows (please see cash flow for detailed investments):



Enercon GmbH

(turbine manufacturer and delivery)

94 125 000 EUR (without VAT)



ASPMK

(turbine and foundation installation)

16 604 000 EUR (incl. 12% VAT)



ABB

(new substation construction, electrical connection, access roads, and cableworks)

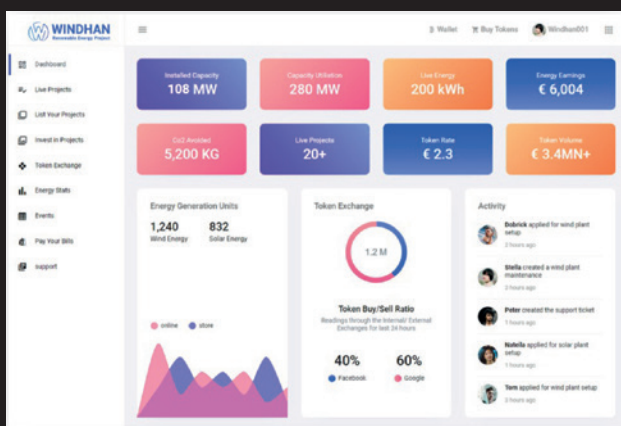
25 078 475 EUR (incl. 12% VAT)

Crowdfunding And Trading Platform

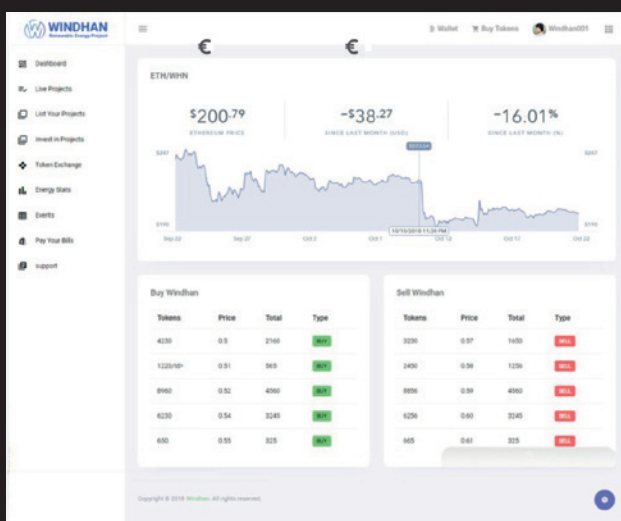
Windhan provides marketplace for consumers and producers, Giving opportunities to green energy producers to list there projects for crowdfunding. Power producers can monitor trades of the power they produce, and make their own trading decisions to balance their portfolio on our platform.

Get access to short-term and long-term energy markets by joining the flow of price signals and trading opportunities for your aggregated portfolio.

- ▶ 24/7 access to energy markets.
- ▶ Buying and selling of energy tokenized energy tokens.
- ▶ Listing of Green energy Projects for Crowdfunding.
- ▶ Discount on Energy Tariffs and Pay your Energy Bills on a centralized platform.
- ▶ Multi-user access.
- ▶ Overview of your portfolio at all times.
- ▶ Highly Scalable Responsive Dashboard. Access Wallet, Bills, Investments and much more all at once on the go.



Highly Scalable Responsive Dashboard. Access Wallet, Bills, Investments and much more all at once on the go.



Our modern Exchange Section works with all devices with AI based Smart Learning.

Exchange Multiple Energy tokens efficiently with just single tap.

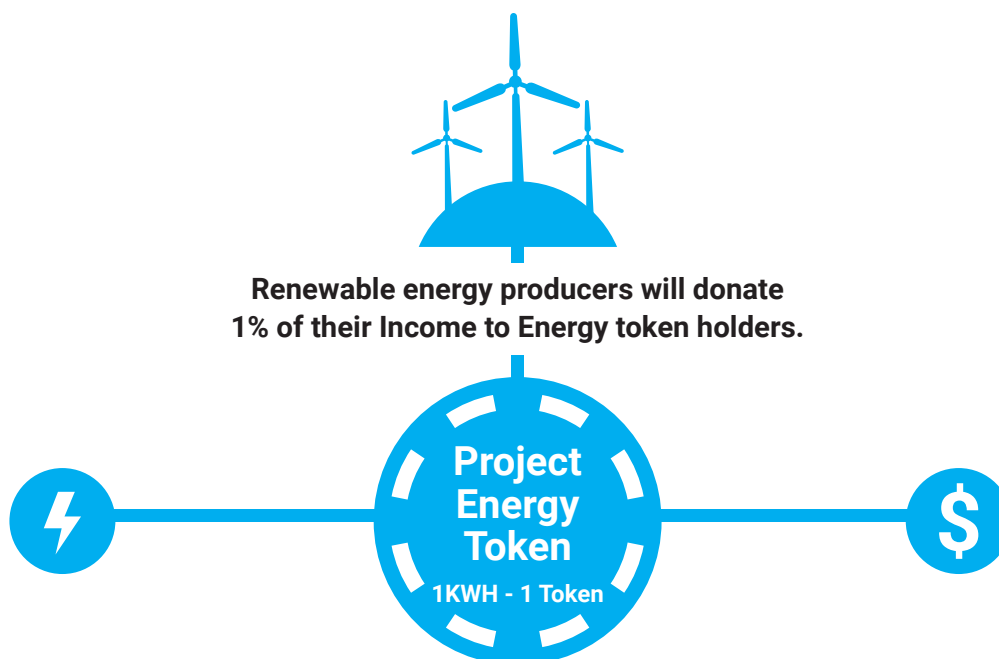
What Are Windhan Tokens?

- ▶ The Windhan (WHN) token is a revolutionary token. It will grow together with the Windhan business because it stores tangible value and ensures liquidity. Tokens accumulate real value of energy. Windhan will start building the first flagship project – 108 MW wind park in Kazakhstan 2019 and our tokens will collect and store energy immediately. You can use this energy for your personal needs or sell it to someone else. This way even contributors from places where Windhan doesn't operate can participate in the platform. Together with storage of produced energy, Windhan tokens will also provide the right to invest in new renewable energy projects and in exchange to receive energy at the most favourable price. This will further increase the demand for the tokens from large energy buyers. The Windhan token is the new player in the global energy market.

BENEFITS OF WINDHAN TOKENS

The owner of these Windhan tokens has three options:

- ◆ Use the energy when it is produced, if the energy was purchased from a development project in the buyer's home market.
- ◆ Windhan will physically deliver energy, once Windhan enters a token owner's home market and begins operation under an independent energy supplier's legal framework.
- ◆ Sell the energy before its production within the Windhan platform to any other user.
- ◆ Automatically sell the energy to the wholesale energy market once the energy is produced and receive the energy price in fiat or cryptocurrencies. This leaves no ambiguity on the final settlement price as it is sold at the market price at that specific moment. All energy with this option is sold simultaneously on the wholesale market.



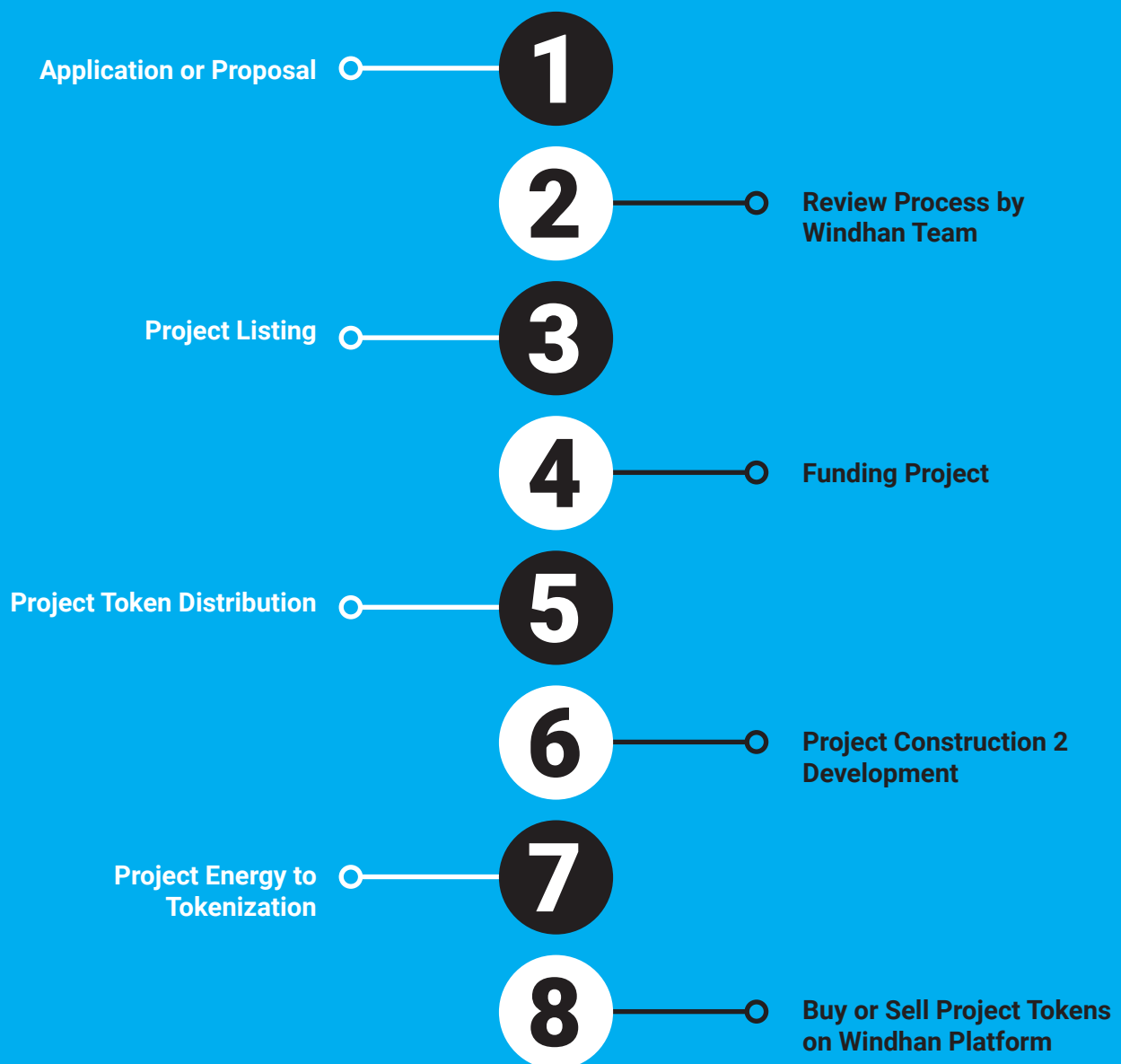
Windhan Project, Crowdfunding Platform And Token Appreciation Explained

Windhan offers unparalleled benefits for all parties involved – project developers, investors and consumers

Project Developers' Benefits

Windhan provides project developers with a platform on which they can promote their project using a streamlined application and due diligence process, preventing leakage of sensitive information as well as access to global crowdfunding. It simultaneously on the wholesale market.

Project Developers On Boarding And Energy Tokenization Process



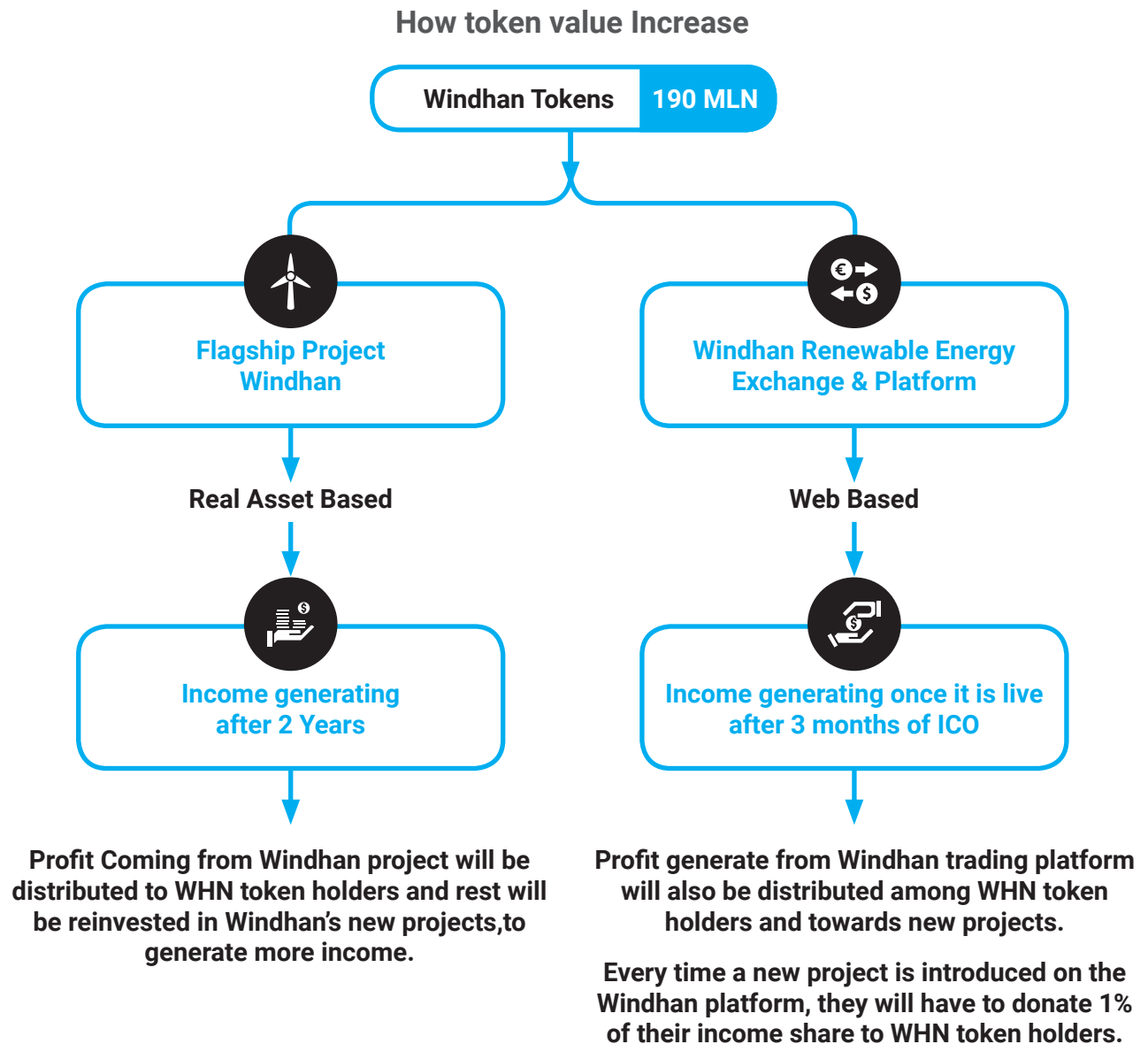
Investors' Benefits

Windhan provides investors with access to a platform on which developers' projects are listed, for which Windhan has done professional due diligence and provided a risk report for the investment. Furthermore, Windhan provides access to profitable and eco-friendly green energy projects without extensive fund commitments. It allows investors to contribute to projects around the world without border and legislation limits. Rights and economic interests are protected by smart contracts, and a high level of privacy protection is ensured.

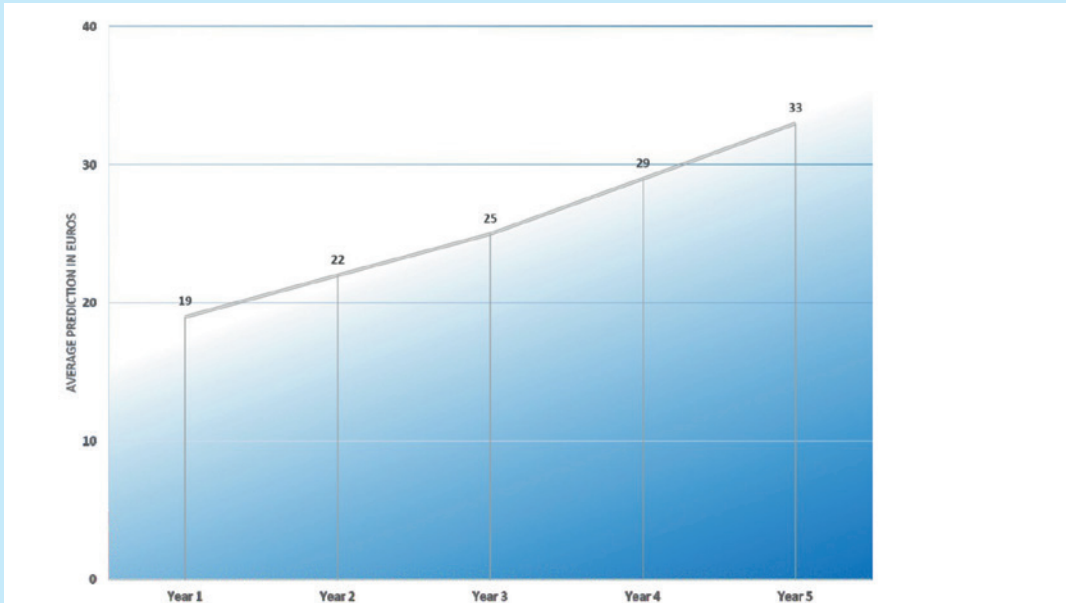
Consumers' Benefits

Windhan provides consumers with a trading platform on which consumers can buy green energy on their local market at below market value. Consumers can also see where the energy they are purchasing is coming from.

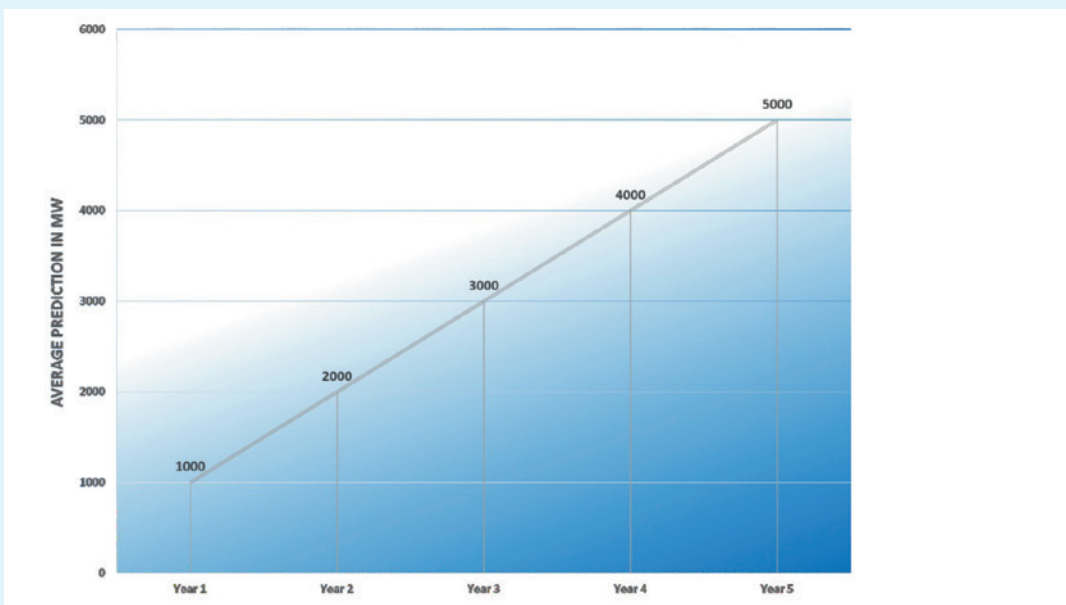
Windhan Token Model And Appreciation



ROI Predictions From 108MW Flagship Project

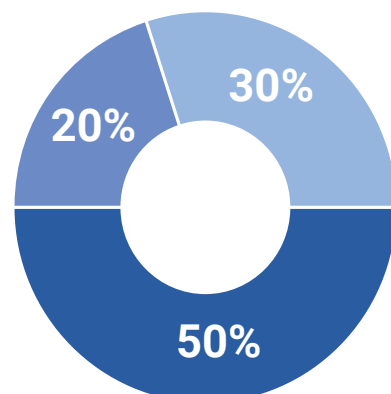


Average Predictions From Smart Green Energy Trading Platform



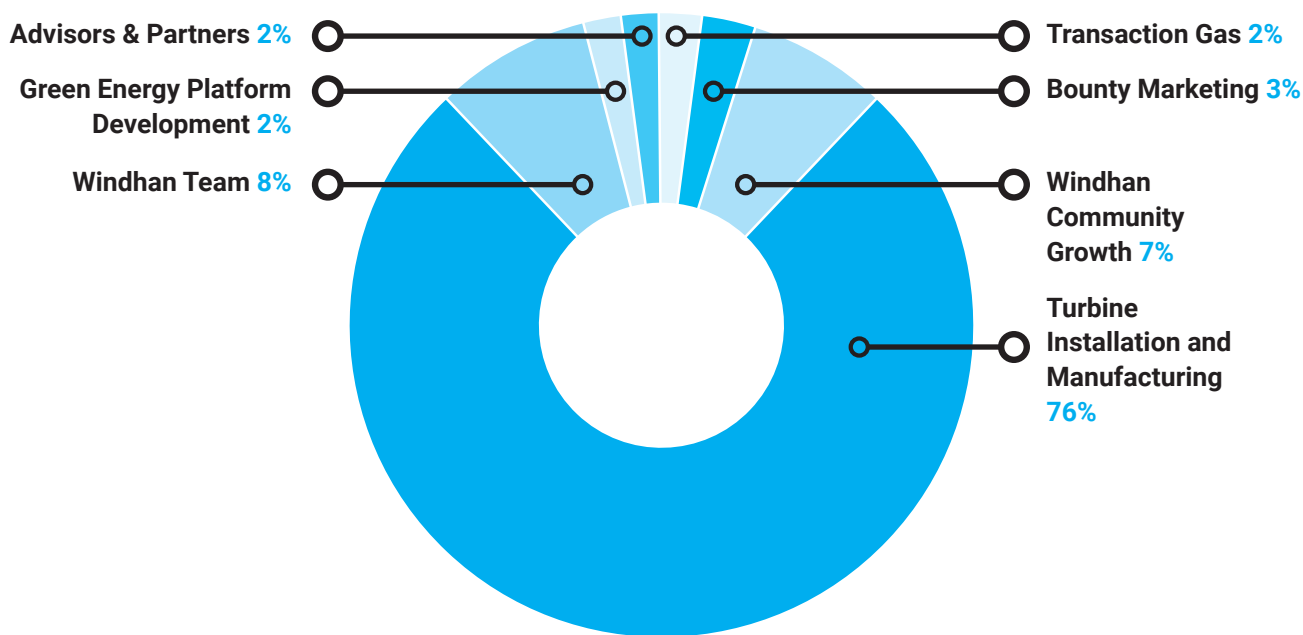
ROI Distribution

- 50% Profit for Windhan Token Holders (108MW Flagship Project + Smart Green Energy Trading Platform)
- 20% Windhan Management Fees
- 30% Reserve for Future Projects under Windhan Supervision.



Tokens Distribution

The token distribution during the pre-ICO period and the following period of the Main Token Sale of 4 weeks will contribute to driving Windhan community growth, to which 7% of the distributed tokens will be allocated. Additionally, an equal amount of 2% of WHN tokens distributed will be given to the advisors and partners and will be invested into the green energy platform development and transaction gas. Windhan team members will receive 8% of the WHN tokens distributed, while sides involved in bounty marketing will receive 3% of the tokens.



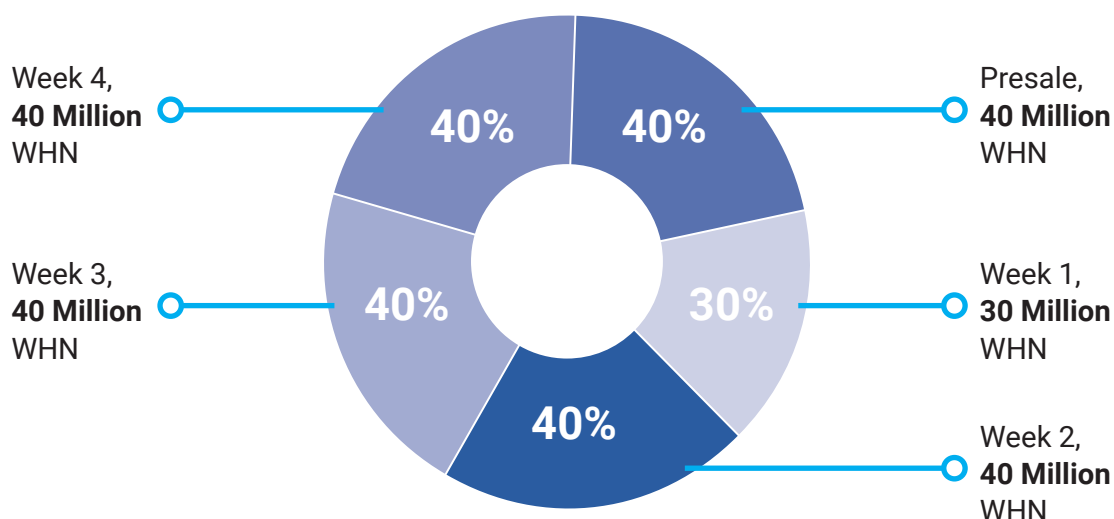
Total:	250,000,000 Tokens
Turbine Installation And Manufacturing:	190,000,000 Tokens
Team:	20,000,000 Tokens
Gas:	5,000,000 Tokens

Bounty Marketing:	7,500,000 Tokens
Advisors & Partners:	5,000,000 Tokens
Windhan Community Growth:	17,500,000 Tokens
Green Energy Platform Development:	5,000,000 Tokens

Token Sale Period And Discounts

Token Sale Period: Pre-Sale + 4 Weeks	Token Price After
Pre -Sale: 30 Million Tokens at 35% Discount	Pre -Sale: 0.65 Euro
Week 1: 40 Million Tokens at 20% Discount	Week 1: 0.80 Euro
Week 2: 40 Million Tokens at 15% Discount	Week 2: 0.85 Euro
Week 3: 40 Million Tokens at 8% Discount	Week 3: 0.92 Euro
Week 4: 40 Million Tokens at 4% Discount	Week 4: 0.96 Euro

The Token Pre-Sale Token will have a limit of **30,000,000** Windhan Tokens.
The Main Sale will put up for market the remainder **160,000,000** Windhan Tokens.



Website: www.windhanenergy.io | **Accepted form of payment:** BTC, ETH, Credit Cards
ICO Start Date: Dec 5, 2018, 12pm GMT +3 | **ICO End Date:** Jan 27, 2019, 11:59pm GMT +3

Time Period After Discount	Token Price
Dec 5 2018 Wed. (GMT+3) - Dec 26 2018 Wed. (GMT+3)	€0.65
Dec 27 2018 Thu. (GMT+3) - Jan 3 2019 Thu. (GMT+3)	€0.80
Jan 4 2019 Fri. (GMT+3) - Jan 11 2019 Fri. (GMT+3)	€0.85
Jan 12 2019 Sat. (GMT+3) - Jan 19 2019 Sat. (GMT+3)	€0.92
Jan 20 2019 Sun. (GMT+3) - Jan 27 2019 Sun. (GMT+3)	€0.96

Token Issue Date: December 3, 2018, 12pm GMT

Cost of 1 Windhan Token

Pre-Sale	Week 1	Week 2	Week 3	Week 4
EURO	0.65	0.80	0.85	0.96
USD	0.75	0.92	0.98	1.11
BTC	0.00012	0.00014	0.00015	0.00017
ETH	0.00370	0.00450	0.00480	0.00540

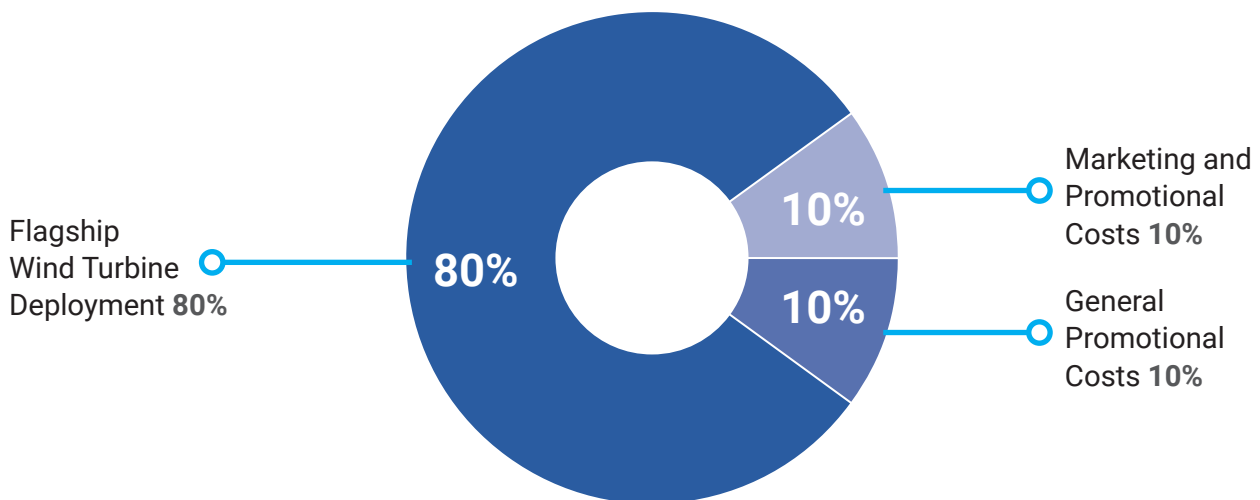
Token Sale Proceeds

The WHN tokens sold during the Token Sale will be used to fund Windhan Energy work, to continue development, scale the Platform for global deployment of the flagship Windhan Wind Mill Turbines.

The contributions distribution is as follows:

- Marketing and Promotional Costs - 10%
- General Operational Costs (Including Legal and Finance) - 10%
- Flagship Wind Turbine Deployment - 80%

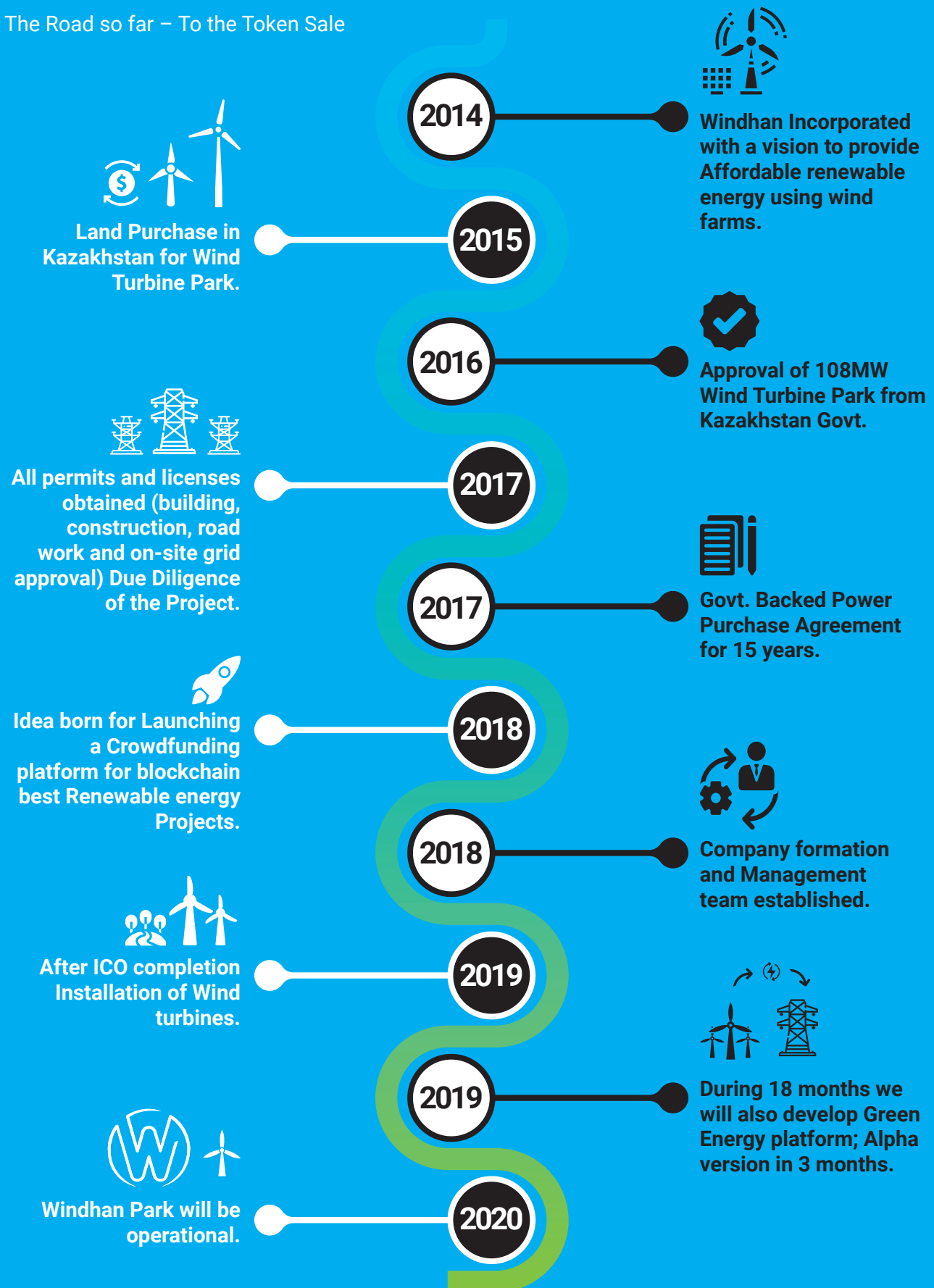
(This may change depending on the total cost of Flagship Wind Turbine Project)



- Windhan Energy aims to achieve all milestones on its roadmap, regardless of the funding amount raised from the Token Sale. However, depending on the quantity raised, the roadmap will be adapted as required to develop the most attractive projects first.

Road Map

The Road so far – To the Token Sale



Token Sale Goal

- ▶ Windhan (WHN) Tokens are created to be the primary currency used on the Windhan Platform. To jump-start the use of the platform, WHN Tokens will be sold to contributors aiming to achieve around 160 Million Euros from 190 Million WHN Tokens to incentivize early contributors. Initially we will provide 20 Million tokens at a 50% discount in the presale and decrease it gradually nearing our target - 24% discount for 30 Million tokens in the first week, 40 Million tokens at a 12% discount in the second week, 40 Million tokens at a 6% discount in the third week and 60 Million Tokens at a 3% discount in the last week of the ICO. The period will consist of a pre-ICO period, and a period of 4 weeks for the Main Token Sale.

Team Tokens

- ▶ The Team Tokens will be distributed to Windhan Energies management, employees and contractors engaged in building the Infrastructure and Platform. All of the Windhan Energy Team Tokens will be subject to escrow for a period of between 6 and 18 months, with their release linked to performance variables. The escrow period in respect of these tokens will commence at the completion of the Token Sale.

Bounty Goals

7,500,000 WHN Tokens have been allocated for the Token Sale The bounty campaign will feature the following

- ▶ White Paper Translations - 1,000,000 WHN
 - ◆ RUSSIAN - 100,000 WHN
 - ◆ HINDI - 100,000 WHN
 - ◆ PORTUGUESE - 100,000 WHN
 - ◆ MANDARIN - 100,000 WHN
 - ◆ KOREAN - 100,000 WHN
 - ◆ ARABIC - 100,000 WHN
 - ◆ FRENCH - 100,000 WHN
 - ◆ JAPANESE - 100,000 WHN
 - ◆ INDONESIAN - 100,000 WHN
 - ◆ SPANISH - 100,000 WHN
- ▶ FACEBOOK CAMPAIGN - 1,000,000 WHN
- ▶ AIRDROP REWARDS – 500,000 WHN
- ▶ TWITTER CAMPAIGN - 1,000,000 WHN
- ▶ MEDIUM ARTICLES - 1,000,000 WHN
- ▶ TELEGRAM GROUPS – 1,000,000 WHN
- ▶ BITCOIN TALK REVIEWS - 1,000,000 WHN
- ▶ PERSONAL BLOG REVIEWS(MUST HAVE OWN DOMAIN) - 500,000WHN
- ▶ MISCELLANEOUS REWARDS-500,000WHN

To receive their share of Bounty Tokens, all participants will need to send proof of work and their Ethereum wallet address to bounty@windhanenergy.io All Bounty Tokens will be distributed after the sale.

Future Expansion Plans

- ▶ The Windhan Green Energy Platform is being launched in Kazakhstan on a pilot project basis. We have plans to launch similar wind, solar and hydro power plants across several countries in Europe and other parts of the world. The map below outlines our future expansion plans with regard to Windhan green energy platform.



Serbia



Estonia



Kosovo



Poland



Ghana

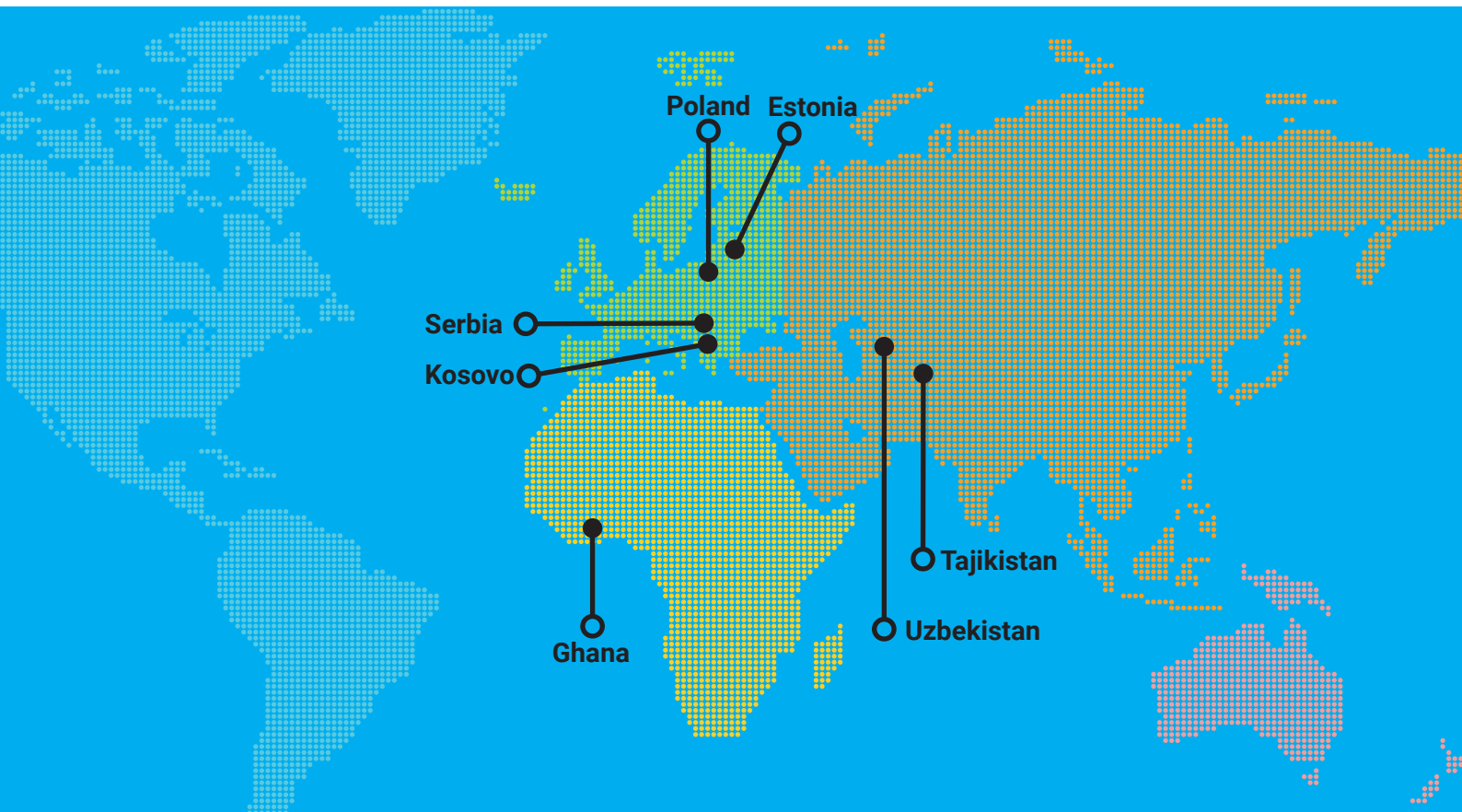


Uzbekistan



Tajikistan

Windhan Upcoming Presence In Europe



Windhan Team

- Windhan solves market challenges and inefficiencies through a complex platform, which requires a combination of energy, blockchain, crowdfunding, market trading, independent energy supply knowledge, and experience. The Windhan team synergizes this essential mix of expertise to create a new generation utility company.



Co-Founder and CEO

Name Here



Chief Technical Officer (CTO)

Name Here



**Chief Financial
And Operating (CFO)**

Name Here



Environmental Engineer

Name Here



Blockchain Developer

Name Here



Sr. Software Engineer

Name Here

Windhan Team



Digital Marketing

Name Here



Community Manager

Name Here



Mechanical Design Engineer

Name Here



Civil Engineer

Name Here



**Blockchain & Crowdfunding
Advisor**

Name Here



Legal And Financial Advisor

Name Here

Disclaimer

- ▶ The purpose of this White Paper is to present the company Windhan, to potential token holders in connection with the proposed Token sale. The information set forth below may not be exhaustive and does not imply any elements of a contractual relationship. Its sole purpose is to provide relevant and reasonable information to potential token holders in order for them to determine whether to undertake a thorough analysis of the company with the intent of purchasing Windhan (WHN) Tokens.
- ▶ Nothing in this White Paper shall be deemed to constitute a prospectus of any sort or a solicitation for investment, nor does it in any way pertain to an offering or a solicitation of an offer to buy any securities in any jurisdiction. This document is not composed in accordance with, and is not subject to, laws or regulations of any jurisdiction, which are designed to protect investors. Windhan (WHN) Token is a utility token. This product is not a digital currency, security, commodity, or any other kind of financial instrument and has not been registered under the Securities Act, the securities laws of any state of the United States or the securities laws of any other country, including the securities laws of any jurisdiction in which a potential token holder is a resident.
- ▶ Windhan (WHN) Token cannot be used for any purposes other than as provided in the White Paper, including but not limited to, any investment, speculative or other financial purposes. Windhan (WHN) Token confers no other rights in any form, including but not limited to any ownership, distribution (including but not limited to profit), redemption, liquidation, proprietary (including all forms of intellectual property), or other financial or legal rights, other than those specifically described in the White Paper.
- ▶ Certain statements, estimates and financial information contained in this White Paper constitute forward looking statements or information. Such forward-looking statements or information involve known and unknown risks and uncertainties, which may cause actual events or results to differ materially from the estimates or the results implied or expressed in such forward-looking statements and no one shall be liable for it.
- ▶ PLEASE READ THIS ENTIRE SECTION. THIS IS A WHITE PAPER. IT IS A SUMMARY OF WINDHAN BUSINESS MODEL, TECHNOLOGY, AND BRIEF INTRODUCTION TO WINDHAN'S PRINCIPLES. WINDHAN IS CONSIDERED TO BE A REWARD BASED CROWDFUNDING CAMPAIGN. IF YOU ARE IN ANY DOUBT AS TO THE ACTIONS, YOU SHOULD ACQUIRE WINDHAN'S TOKENS, AFTER CONSULTING YOUR LEGAL, FINANCIAL, TAX OR OTHER PROFESSIONAL ADVISOR(S).

Risks

- ▶ The purchase of the Windhan (WHN) Token carries significant risk. It is up to every purchaser prior to purchase to carefully consider the risks mentioned below and, if necessary, consult a lawyer, accountant, and/or tax professional before determining whether to purchase Windhan Tokens.
- ▶ The intended function of the Windhan Token is to serve as an “access” or “rewards token that facilitates access Windhan’s platform and services, rather than as an investment or security. The access and utilization tokens serve as a means to access the blockchain based trading platform which has inherent value and obtain value by granting access to the platform. It is possible, however, that the Windhan Token is characterized as an “investment contract” subject to regulation under their securities laws and regulations by the U.S. Securities and Exchange Commission (SEC”), or securities regulatory agencies in other jurisdictions. In which case development of an active trading market for Windhan Tokens may be prevented by such restrictions.
- ▶ There is no guarantee that the Windhan Token may be used to satisfy renewable energy portfolio standards requirements or may be traded on any known exchange at any time in the future.
- ▶ Windhan Token will be stored in a wallet, which can be accessed with a password chosen and set by the purchaser. A failure of a buyer of Windhan to maintain an accurate record of his or her password may lead to the loss of Windhan Tokens. In a case of purchaser’s password protection being weak, which could result in it being cracked or otherwise obtained by a third party, the purchaser might also lose Windhan Tokens. It is advised that purchasers store their passwords in one or more backup locations that are separated from the primary location and safe. Windhan is not in any way responsible for any purchaser’s loss of credentials, including passwords.
- ▶ In purchasing WHN tokens the purchaser recognizes that some of the services and actions planned are currently under development and may be exposed to significant changes before realisation. The purchaser acknowledges that any of his or her expectations regarding the form and functionality of the Windhan platform and all assets related to it may not be met for different reasons.
- ▶ The buyer understands that whilst every action to launch the expected services in time will be taken by Windhan, it is possible that the official release may be delayed or that these services might differ from the services currently expected.
- ▶ Just as other crypto-tokens, the value of the Windhan Token may fluctuate significantly in value for any number of reasons, including but not limited to, supply and demand, overall crypto token market conditions, political and geographical reasons, changes to laws and/or regulations in any jurisdiction, and technical reasons.

RISKS

- ▶ The ownership of Windhan Tokens may fall under existing and/or new and unprecedented taxation laws that will erode the benefits of Windhan Tokens.
- ▶ Windhan Tokens will be issued on the Ethereum blockchain. Therefore, any malfunction or unexpected functioning of the Ethereum blockchain may impact the purchaser's ability to transfer or securely hold Windhan Tokens. Such impact could adversely affect the value of Windhan Tokens, which Windhan does not hold responsibility for.
- ▶ It is possible that, due to any number of reasons, including without limitation, the failure of the business relationships, competing intellectual property claims, or token class action claims, Windhan may no longer be a viable platform and may dissolve or fail to launch.
- ▶ Sales of crypto-tokens have been known to come under malicious attacks from hackers and criminal parties resulting in theft of tokens, which may result in massive losses to purchasers and Windhan.
- ▶ Regulators continue to provide guidance with respect to ambiguities in existing laws and regulations in the context of token sales. Lawmakers and regulators are also considering and may approve new laws and regulations that govern the offering of crypto-tokens. It is possible that a government or regulatory agency will pursue Windhan and require it to suspend or cease its business operations and the platform in light of new interpretation of existing laws or regulations, or passage of new laws and regulations.
- ▶ Crypto-tokens are a new and untested technology. Windhan is not responsible for the risks connected with crypto-tokens. Risk may further materialize as unanticipated combinations or variation of the risks set forth above.

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