

# NPC ICO WHITEPAPER

NATURAL POWER COIN



# Presentation Outline of NPC

<b>ICO background</b>	Mission of <b>NPC plan</b> Introduction of <b>NPC plan</b>	<b>NPC application of block chain</b> (computing mechanism )	<b>NPC token distribution</b>
<b>Industry analysis of wind energy</b>	<b>Penghu green energy development plan</b>	<b>NPC application of block chain</b> (Main blockchain)	<b>Fund distribution</b>
<b>Trends of green energy</b>	<b>NPC tourist destination</b>	<b>NPC blockchain allocation</b> (computing example)	<b>Marketing promotion bonus</b>
<b>Problems of wind energy</b>	<b>NPC tourism expansion</b>	<b>NPC application of blockchain</b> (calculation method)	<b>Land letting bonus for green energy</b>
<b>NPC leading technology</b>	<b>Asia tourism island</b>	<b>NPC user application of main blockchain</b>	<b>NPC Team</b>
<b>ICO Product</b>	<b>Principals of tourism development/ Goals of tourism management</b>	<b>NPC blockchain allocation</b> (consumer use)	<b>NPC conclusion</b>
<b>Vertical Axis coreless generator</b>	<b>The plan of tourism space design and principals</b>	5 goals of <b>NPC</b>	<b>NPC Partnerships</b>
<b>Patent</b>	<b>NPC technology</b>	<b>ICO process</b>	<b>NPC investors and consultants</b>
<b>ICO Token Business</b>	Goals of <b>ICO plan</b>	<b>NPC roadmap ICO start</b>	<b>NPC index and references</b>
<b>Patent and certification</b>		<b>NPC roadmap the second stage of ICO development</b>	
<b>Current manufacturing factories</b>		<b>NPC token sale</b>	

# ICO Background

## **The glory of Taiwan, NPC, the leading company of wind energy**

Taiwan is a beautiful island with mild weather and dramatic mountainous terrain, which, however, also causes the lack of energy resources and a high dependency on imports. As a result, it is a top priority to develop clean, sustainable, and independent energy and achieve the balance among energy security, environmental protection. Therefore, the green energy technologies are the most optimal opportunity to lead competitors.

Taiwan is on the subtropical zone with typhoons and occasional thunderstorms in summer and northeasterly winds from Siberia in winter. Due to 1,369 km of coastlines, there is rich onshore wind resources throughout the four seasons. However, the wind energy has not been developed well in Taiwan. Regarding the natural geographical features and the awareness of environmental protection, the island wind farms are definitely the best solution for the energy sustainable development in Taiwan. Therefore, NPC chooses to invest the island wind energy and aims to build hundreds of wind farms.

# Industry Analysis of Wind Energy

According to the latest statistics conducted by Global Wind Energy Council (GWEC) in February 2016, while the main source of electricity production was coal and peat (36.1%) followed by natural gas (21.4%), wind farms contribute to about 15.2% of electricity generation over the past decade from 2004 to 2014.

Moreover, the global electricity from wind increases 17% from 2014 to 2015, with 432.42 GW, which is equal to 60 nuclear power plants and supplies more than nuclear energy (382.55GW)

Denmark got 44% of its electricity from wind in 2017, and Uruguay more than 30%. In 2017, wind supplied 11.6% of the EU's power, led by Denmark, Portugal and Ireland at 24% and Spain and Germany just under 20%. Four US states get more than 30% of their electricity from wind, as does the state of South Australia, and a number of states in Germany.

Wind power is leading the charge in the transition away from fossil fuels; and continues to blow away the competition on price, performance and reliability. Both onshore and offshore, wind power is key to defining a sustainable energy future. Given that the onshore wind farms have been developed well all over the world, offshore is spreading like wildfire across the globe.

Compared with the onshore wind farms, the development of offshore wind power has "dual high features", which means high costs and high risks. As regards the phrase of planning, it includes the risk assessment for building wind farms, financing and insurance, grid-connection and commercial operation, wind farm maintenance. The highest risk will be during the installation process. Moreover, the development of offshore wind power industry is affected by the dynamic environment such as government policies, global economy, and financing issues.

Therefore, the global energy policies and markets and technologies all are the key to kick-starting the wind energy industry for Taiwan.

# Trends of Green Energy Industry

## **Renewable energy**

Today wind power is the most competitively priced technology in many if not most markets worldwide. The emergence of wind/solar hybrids, more sophisticated grid management and increasingly affordable storage begin to paint a picture of what a fully commercial fossil-free power sector will look like.

**The USA is the second fastest growing market. Meanwhile India is outpacing European Union.**

Even though the general policy in the USA has some uncertainties, they are still the second largest growing market in the world without the signs of giving up their position. It adds up to the three main aspects of federal subsidies, RPS and general support of solar renewable energy. The main uncertainties could be the changes in federal tax policies, difficulties in international trading and changes in the policies of renewable energy.

The growth of the renewable energy market in the European Union is lower than 5 years ago, due to the drop in demand and overproducing. If the Renewable Energy Directive in the EU is going to be supported for another 3 years after the 2020, it could make the market more predictable for the short future.

## China wind energy market

China is the world leader in wind power generation, with the largest installed capacity of any nation and continued rapid growth in new wind facilities. With its large land mass and long coastline, China has exceptional wind power resources: it is estimated China has about 2,380 gigawatts (GW) of exploitable capacity on land and 200 GW on the sea.

In 2016, China added 19.3 GW of wind power generation capacity to reach a total capacity of 149 GW, and generated 241 TWh of electricity, representing 4% of total national electricity consumption. Both China's installed capacity and new capacity in 2015 are the largest in the world by a wide margin, with the next largest market, the United States, adding 8.6 GW in 2015 and having an installed capacity of 74.4 GW. Wind power in the United States has however a much higher capacity factor.

China is forecast to have 250 GW of wind capacity by 2020 as part of the government's pledge to produce 15 percent of all electricity from renewable resources by that year. The Chinese government has set out a road map for wind power up to 2050. Wind power capacity goals are to reach 400 GW by 2030 and 1,000 GW by 2050. China has identified wind power as a key growth component of the country's economy. Researchers from Harvard and Tsinghua University have found that China could meet all of their electricity demands from wind power through 2030. However, in practice, the use of wind energy in China has not always kept up with the remarkable construction of wind power capacity in the country; in 2014, about one fifth of potential electricity was not used due to grid constraints.

The largest domestic wind turbine manufacturer in China is Goldwind from Xinjiang province. Established in 1998, Goldwind aggressively developed new technology and expanded its market share, though this then decreased from 35% in 2006 to 19% in 2012. The China Longyuan Electric Power Group Corp., another subsidiary of China Guodian Corporation, was an early pioneer in wind farm operation; at one point it operated 40% of the wind farms in China.

## Europe wind energy market

The European Wind Energy Association (now WindEurope) has estimated that 230 gigawatts (GW) of wind capacity will be installed in Europe by 2020, consisting of 190 GW onshore and 40 GW offshore. This would produce 14-17% of the EU's electricity, avoiding 333 million tonnes of CO<sub>2</sub> per year and saving Europe €28 billion a year in fuel costs.

Through the Renewables Obligation, British electricity suppliers are now required by law to provide a proportion of their sales from renewable sources such as wind power or pay a penalty fee. The supplier then receives a Renewables Obligation Certificate (ROC) for each MW·h of electricity they have purchased. Within the United Kingdom, wind power is the second largest source of renewable energy after biomass.

Wind power is expected to continue growing in the United Kingdom for the foreseeable future – RenewableUK estimated in 2010 that more than 2,000 MW of capacity would be deployed per year for the next five years. By 2020, the United Kingdom is expected to have more than 28,000 MW of wind capacity.

Since 2011, Germany's federal government has been working on a new plan for increasing renewable energy commercialization, with a particular focus on offshore wind farms.

In 2016, Germany decided to replace feed-in tariffs with auctions from 2017, citing the mature nature of the wind power market being best served in this way.

Wind provided 39% of the electricity generated in Denmark in 2014, and 42.1% of Denmark's total electricity consumption in 2015. Denmark is a long-time leader in wind energy, and as of May 2011 Denmark derives 3.1 percent of its Gross Domestic Product from renewable energy technology and energy efficiency, or around €6.5 billion (\$9.4 billion).

To encourage investment in wind power, families were offered a tax exemption for generating their own electricity within their own or an adjoining commune. While this could involve purchasing a turbine outright, more often families purchased shares in wind turbine cooperatives which in turn invested in community wind turbines. By 2004 over 150,000 Danes were either members of cooperatives or owned turbines, and about 5,500 turbines had been installed, although with greater private sector involvement the proportion owned by cooperatives had fallen to 75%.

# Problems of wind energy industry

## Problem 1

Lack of government support

## Problem 2

Lack of capital sources,  
even being limited by  
regulations

## Problem 3

Limited information

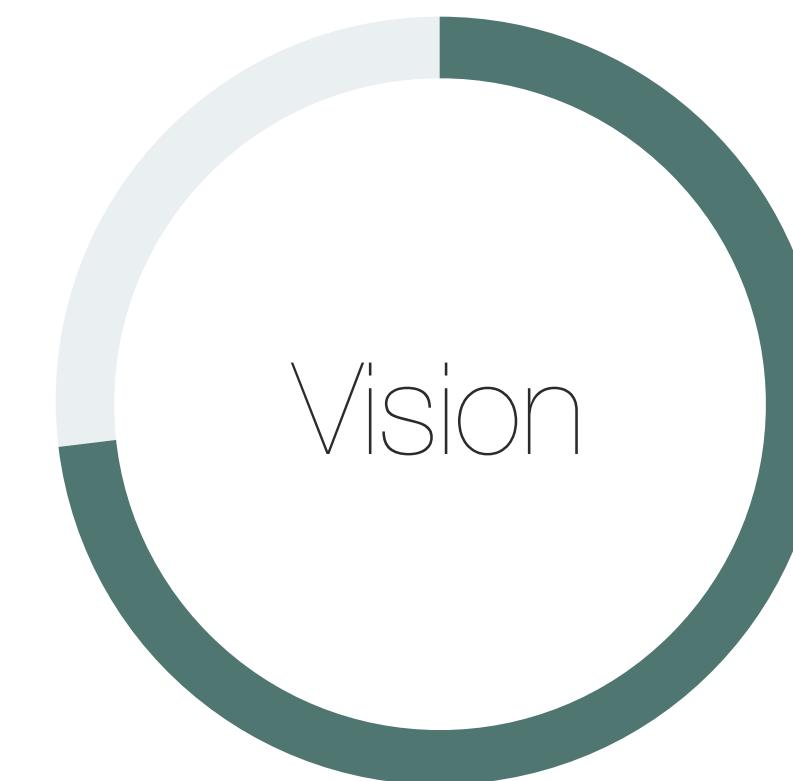
## Problem 4

Unable to achieve 100%  
usability

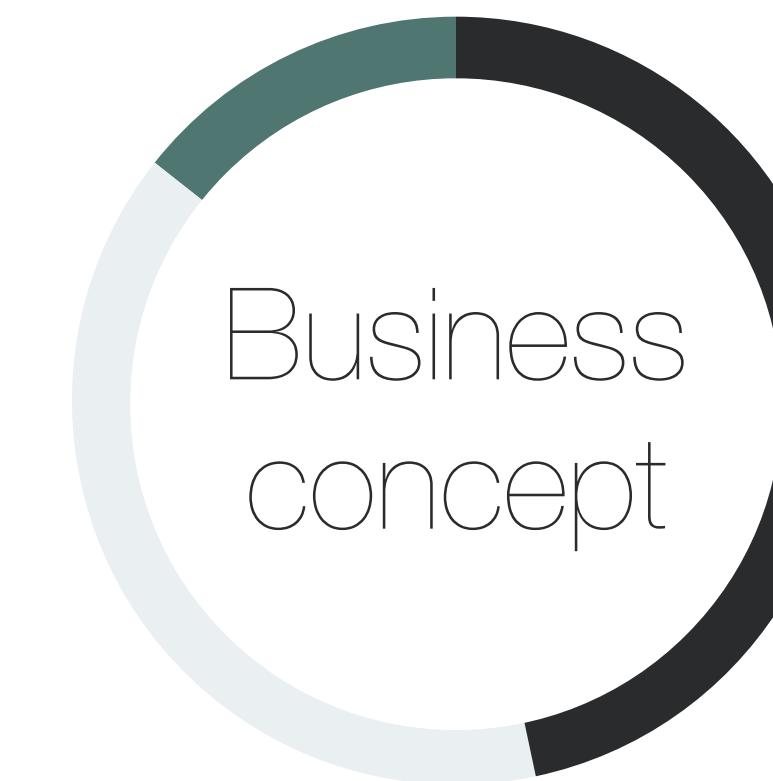
# Our solutions

The NPC final target is the wide usage of the renewable energy. One of the core values is the protection of the environment and participation of everybody. The sustained growth of the renewable energy production will help to develop other parts of the industry and surrounding businesses.

NPC is a young constant growing and energetic company. The company wants to make an impact on a global level, as the employees are dedicated to improve the environment. For example 3M is well respected company due to their outlook on environmental issues. We know the mission is difficult and could take a long period of time to reach our goal, but we believe we can have a success as long as we are courageous and passionate.



TO LEAD THE COMPANY TO BECOME  
GLOBAL LEADERS AND WELL KNOWN  
BRAND NAME GLOBALLY



Leading Innovation:  
Environmental Friendly:  
Relentless



TO PROVIDE THE MOST  
VALUABLE PRODUCT AND  
SERVICE TO THEIR CLIENTS  
BASED ON THE RENEWABLE  
ENERGY AND  
ENVIRONMENTAL SECURITY

Taking advantage of ICO operation, the sources of corporates could be used and integrated effectively

With the expertise and techniques, continuously developing implementations

To enhance the business efficiency to gain the better competitive advantage

Meanwhile to improve the energy consumption of Taiwan

Taiwanese creative and technological ability of energy industry can go global from the local



# NPC Leading technology

OROGRAPHIC EFFECT ON TURBULENCE ADN NOISE POLLUTION  
SUCH AS TALL BUILDINGS AND CITY CENTRE  
OVERCOMING LOW WIND SPEED START AND EFFICIENCY  
ONLY ONE VERTICAL AXIS WIND TURBINE THAT PASSES INTERNATIONAL REQUIREMENTS  
OTHER VERTICAL WIND TURBINE CAN NOT ACHIEVE THE REQUIRED EFFICIENCY





Testing Laboratory  
1.2288

風力機

噪音量測報告

委托單位：新高能源科技股份有限公司

測試機種：DS-3000 直軸風力機

單位地址：新北市林口區竹林一路 168 號

測試地點：臺南市七股區下山子寮段 62 號

測試日期：2012/09/11 日 至 2012/09/15 日

測試標準：IEC 61400-11: 2006, Section 3 of AWEA Small Wind Turbine Performance and Safety Standard : 2009

測試實驗室：

財團法人 金屬工業研究發展中心 中小型風力機系統測試實驗室

	姓名	簽章
測試人員	邱信豪	
報告簽署人	何鎮平	

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(2) 本報告未經書面許可，不得複製或摘錄。

# Verified noise test by Metal Industries Research And Development Centre

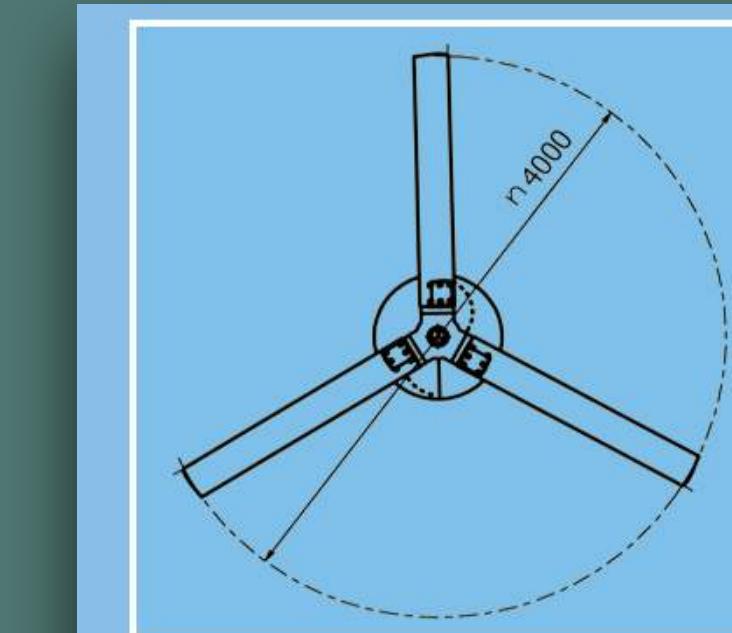
Chronic test reports:  
Below the Acceptable Noise Level (ANL)  
will not result in the hearing impairment  
or emotional instability of animals

# ICO Products

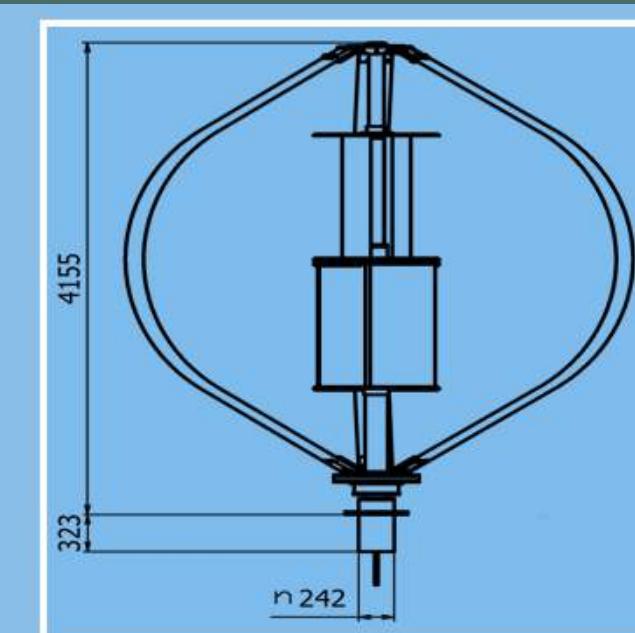
## DS-3000W TAIWAN LEADING WIND TURBINE



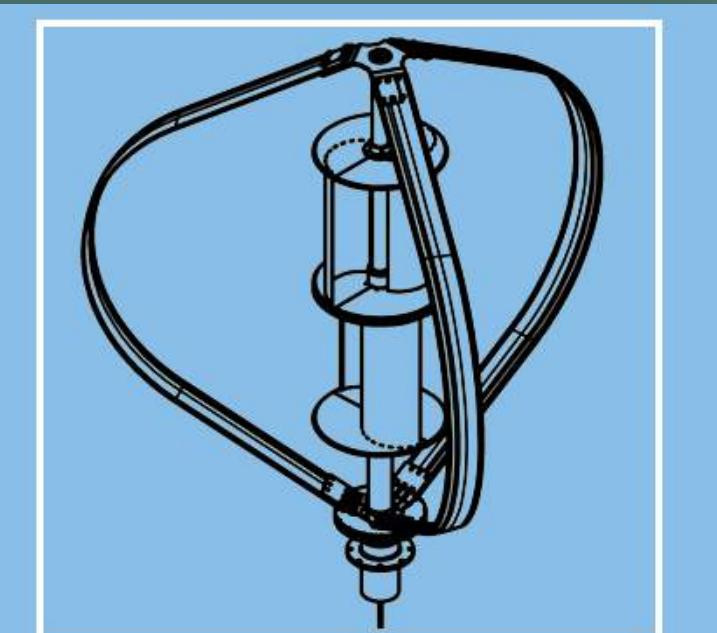
## DS-3000 VERTICAL AXIS WIND TURBINE



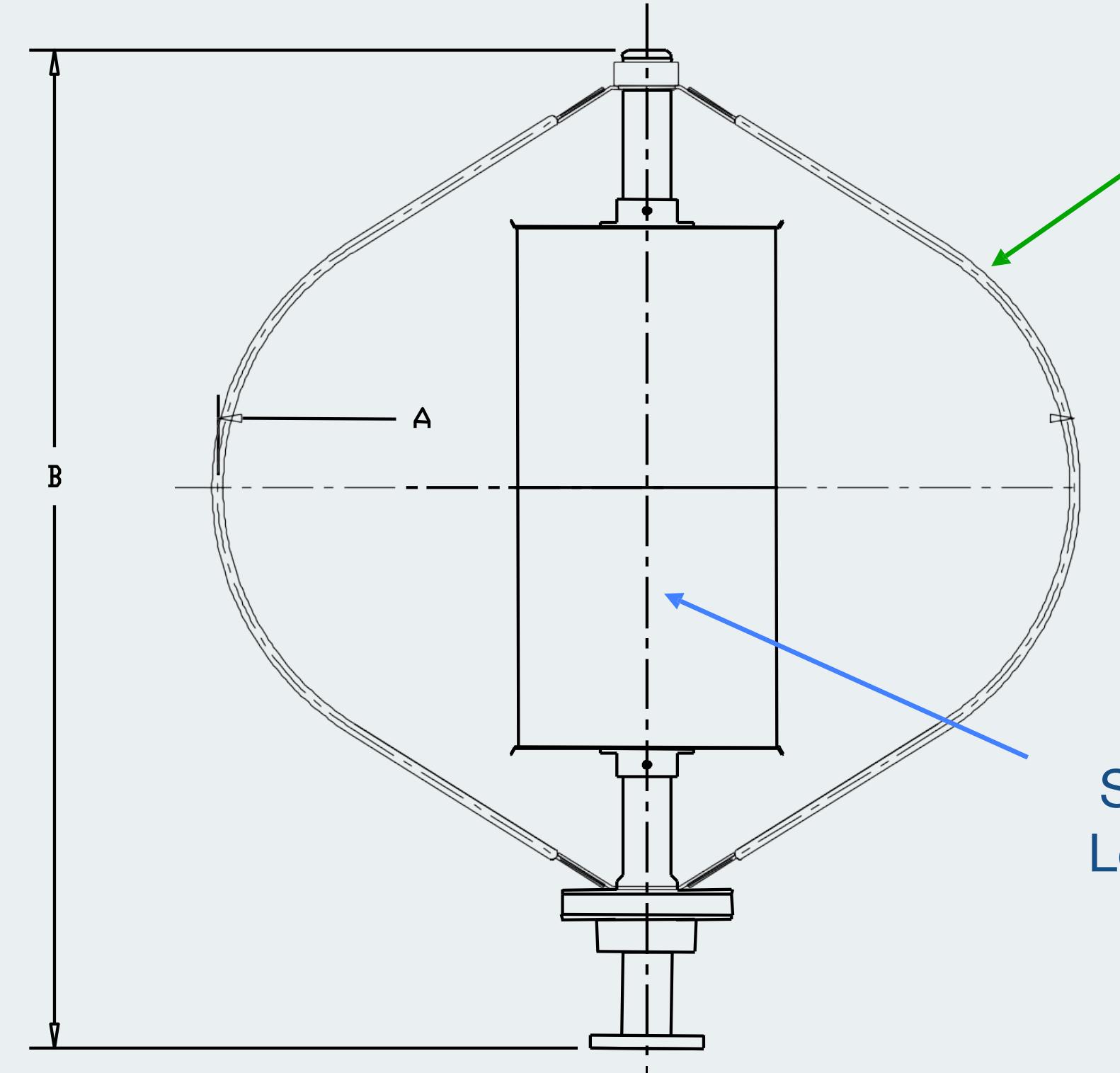
**4m DIAMETER**



**4.11m HEIGHT**



**680Kg WEIGHT**



Darrieus Blades  
High productivity

Savonius/Darrieus Mixed Blades  
Balancing low wind speed start and high productivity

Savonius Blades  
Low wind speed start

# Vertical Axis Coreless Generator

Low cost : no clutch, no gearbox

High efficiency : no motor required to start , low waste

Hi Energy Coreless PMG



Conventional Generator



The traditional generator can not achieve low wind start

# International patent and Certification

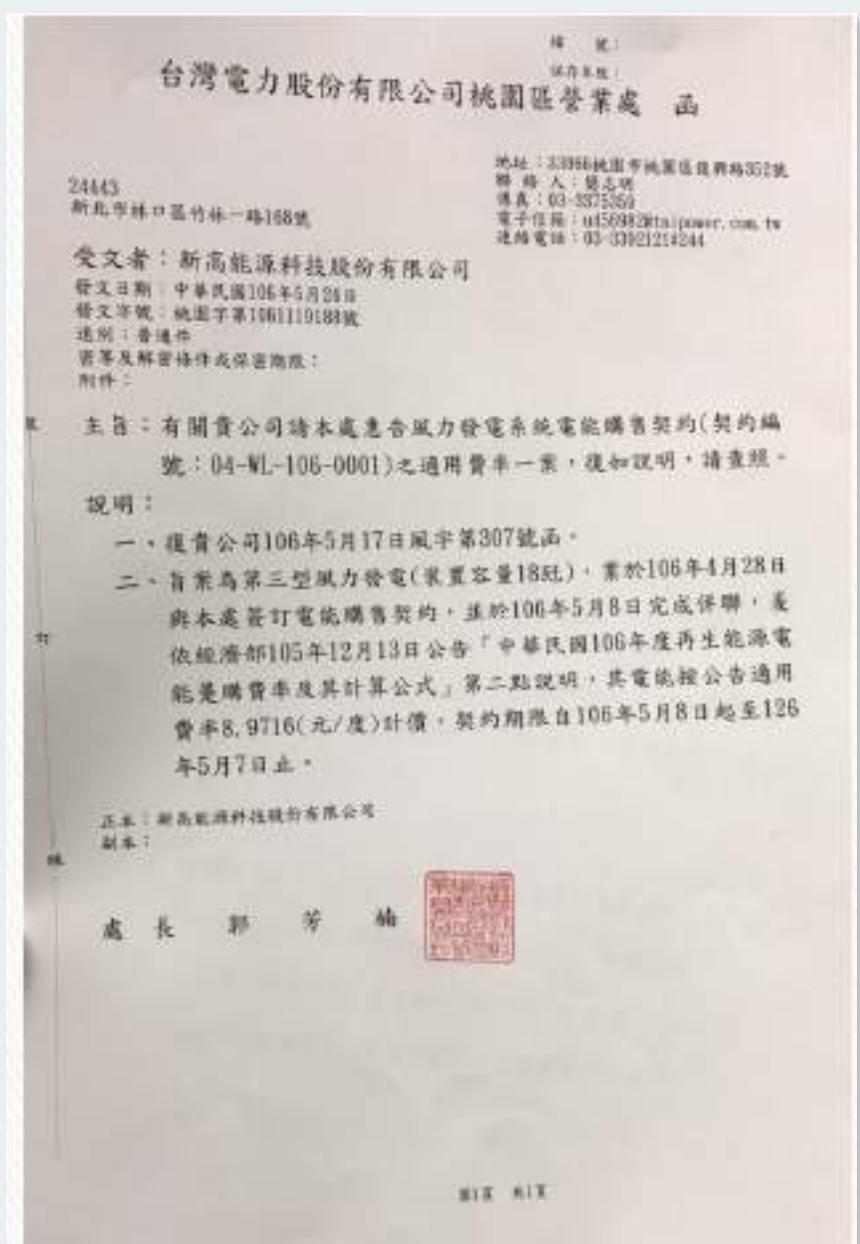


I2018 Electricity price change by energy type

Renewable energy	Type	Degree of volume	Price of electricity in 2018 NT\$/unit	Price of electricity in 2017 NT\$/unit	Percentage change
Wind energy	Land	$\geq 1 \sim < 30$	8.6685	8.9716	-3.38
		$\geq 30$	With LVRT	2.7669	2.8776
		$\geq 1$	Without LVRT	2.7315	2.8395
	offshore	$\geq 1$	20 years fixed price	5.8141	6.0437
		$\geq 1$	First 10 years	7.0622	7.4034
		$\geq 1$	Next 10 years	3.5685	3.5948
Hydro Energy	one type	$\geq 1$	2.7988	2.9512	-5.17
		$\geq 1$	20 Years fixed price	5.1956	4.9428
Thermal Energy	one type	$\geq 1$	Stages of pricing	First 10 years	5.6447
		$\geq 1$		Next 10 years	4.4465
Bio energy	W/O Oxygen pressure equipment	$\geq 1$	2.5765		
	Oxygen pressure equipment	$\geq 1$	5.0161		
Waste Energy	One type	$\geq 1$	3.8945		
Other	One type	$\geq 1$	2.3226		

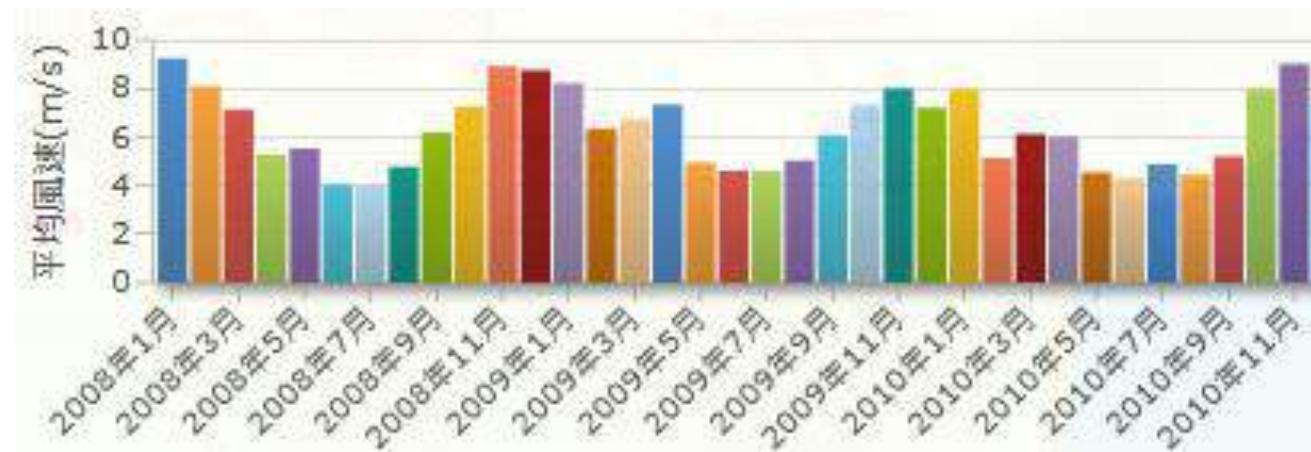
20 years contract  
for buying  
electricity

## The contract with Taiwan Power Company and the document of the confirmation of electricity price

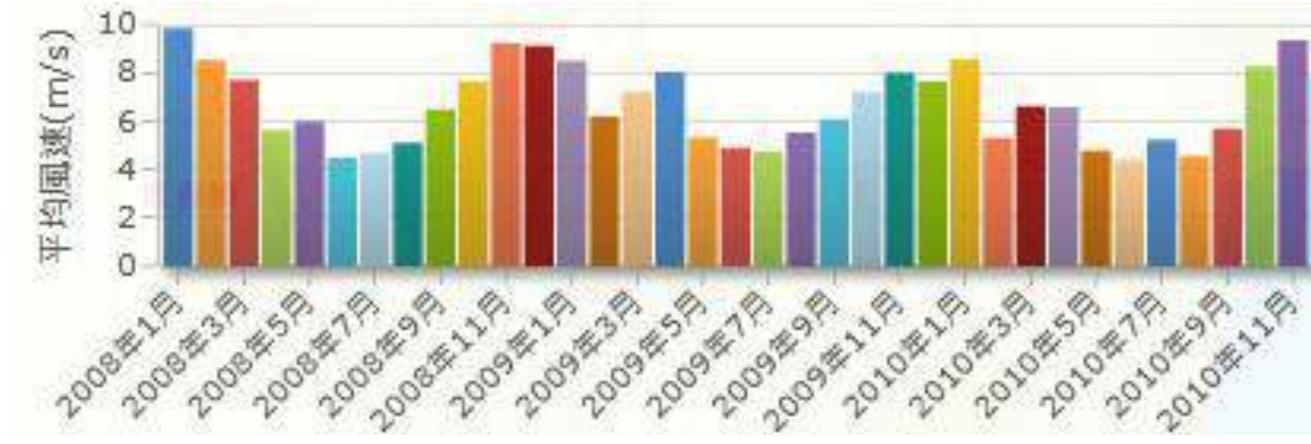


# Green Energy and Environment Research Laboratories of Industrial Technology Research Institute (ITRI) 「Wind turbines information platform」 (simulating on WRF model)

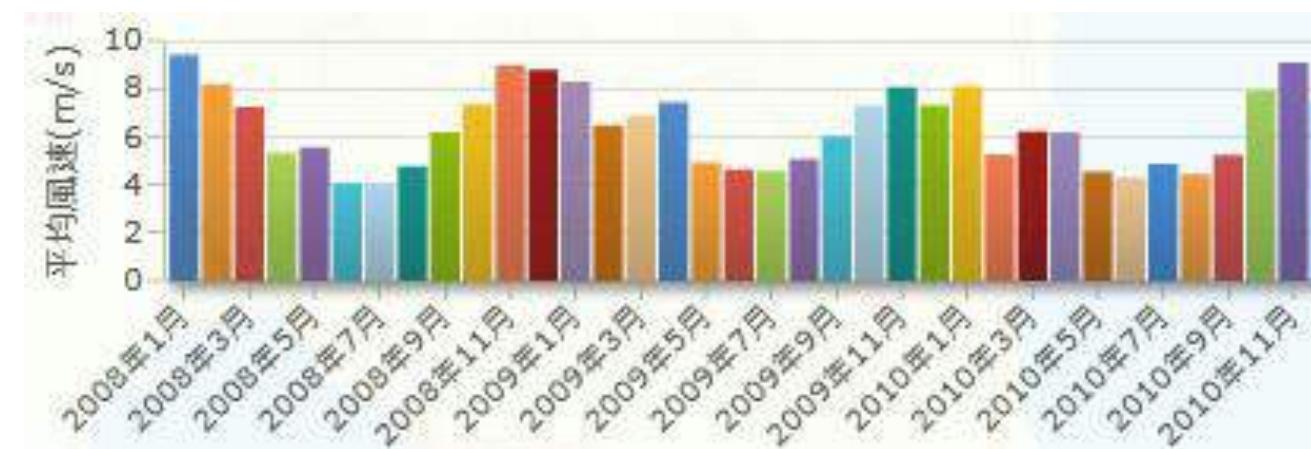
# Coordinate(99,36)



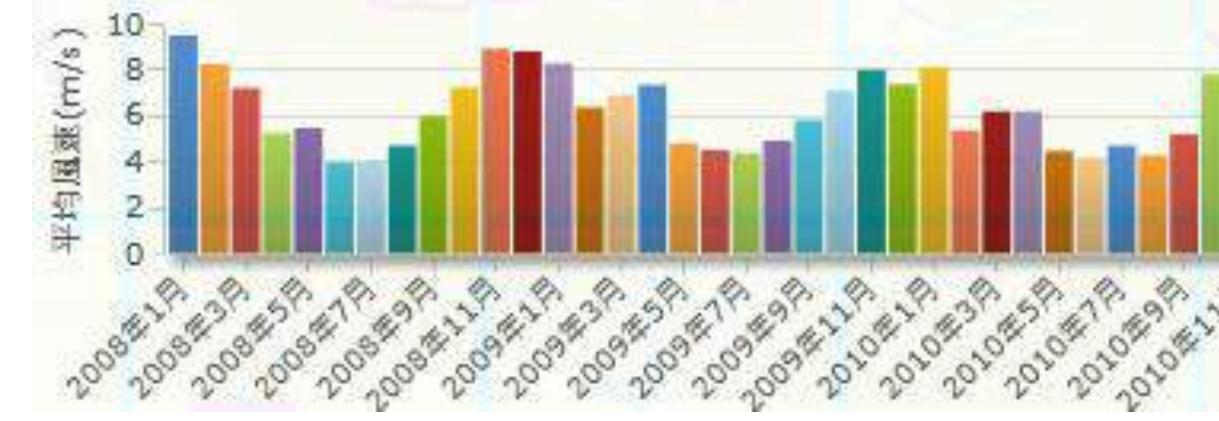
# Coordinate(98,36)



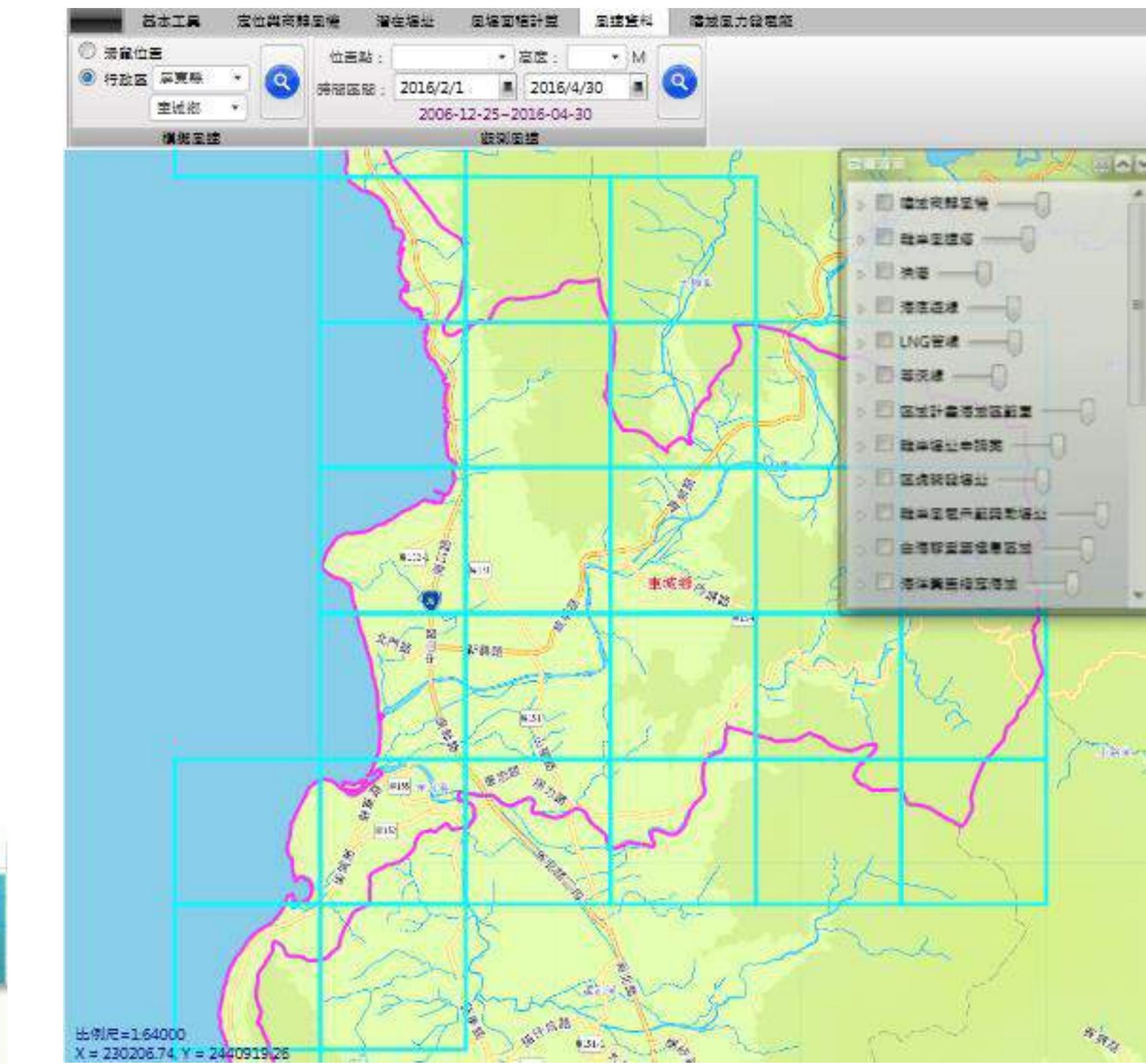
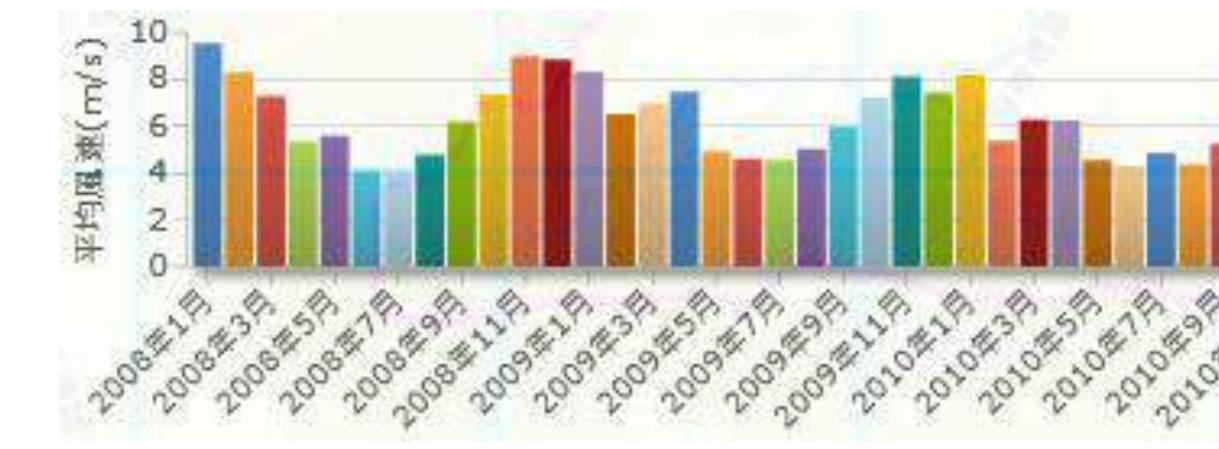
# Coordinate(99,35)



## Coordinate(99)



# Coordinate(100,3)





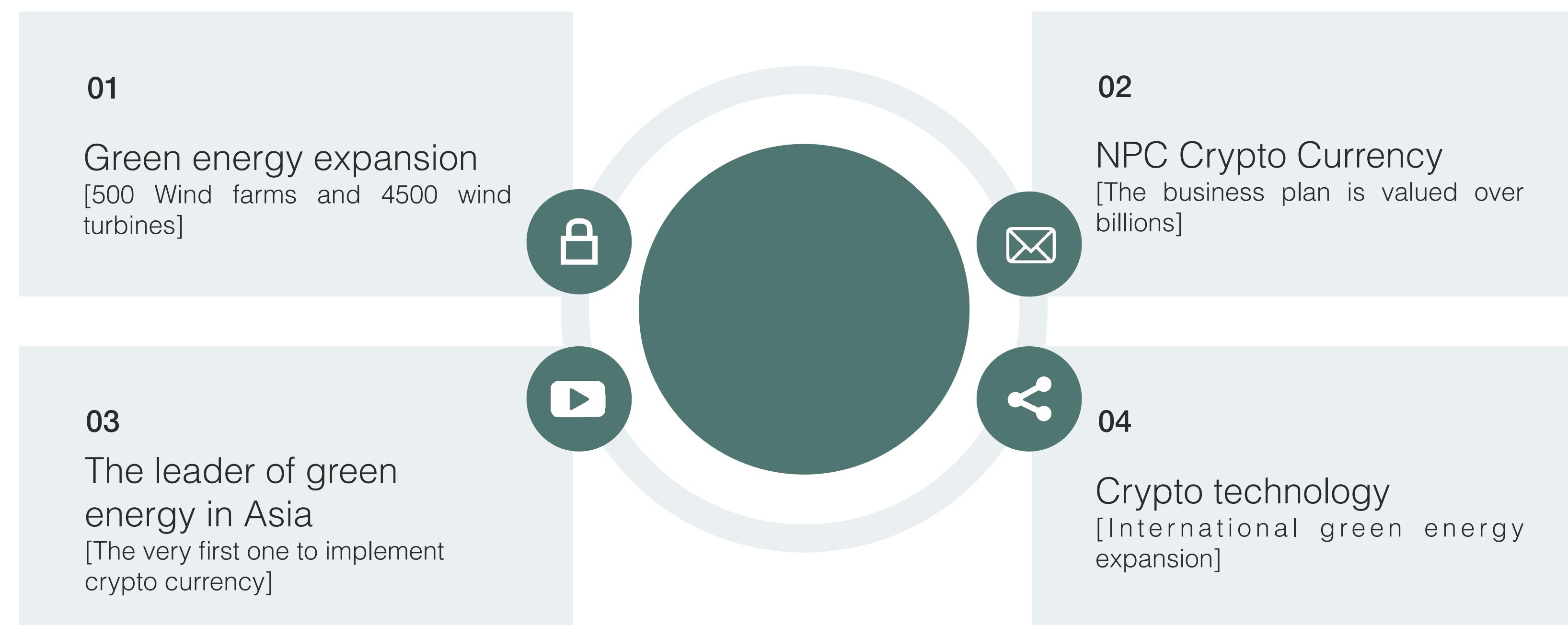
W E C A N S E E T H E P O W E R

The impact of global warming, resulted in increased variation of the tropical climate, so the ocean current near the coast can influence the speed of wind.

According to the report, conducted by the global climate organisation, they are not certain that the range of the change of tropical vortex are due to natural or human impact causes. The reason of the uncertainty is because of the frequency and strength of the tropical vortex data compared with the recordings one century ago. But it could also be that the technology used to record these activities were not accurate enough, compared to todays technology. This is why it is so difficult to predict the tropical vortex activity. The only prediction is known at the moment it is if the global warming will continue the frequency of the tropical vortex will decrease or remain unchanged. Also some tropical areas will see the increase of the average wind speed and higher chance of rain.

# ICO Token Business

In the age of the crypto currencies, ICO has dramatic impact on the various industrial businesses. decentralisation and crypto technology allows businesses to globalise without geographical limits. NPC ICO is aiming to become the leader in the wind green energy in Asia, with crypto currency technology the business model is valued over 100 billion Taiwanese dollars.



# Mission of NPC Plan

INTERNATIONAL LEADER OF BLOCKCHAIN IN GREEN  
ENERGY INDUSTRY

Since NPC has been founded, we are following our business concept, "Leading, Innovation, Environmental Friendly, Relentless" to create more value for our employees, shareholders, suppliers and our country Taiwan.

NPC aims to establish an integrate industrial structure and independent policy for energy industry, employing the business activities such as investment, innovation and acquisition. Meanwhile, NPC is constantly searching for business opportunity within industrial chain from a rather macro perspective, in order to enhance the profit and competitive advantage of entire energy industry.

NPC will create will create organisation for sustainable blockchain development committee. This organisation will protect the environment and pursue sustainable development to bring better future to Taiwan. Under this principle they will also provide a value product and services.

# Introduction of NPC plan



Technology

- Improve wind energy technology
- Research and increase the number of wind farms



Global corporate

- International technological team
- International Phd consultancy
- Integrated Industry chain and globalised corporate



Globalization

- Global technology integration
- Usage of blockchain
- Global island energy development

**NPC** 2020年

INTERNATIONAL MARKETING

Numerous islands on earth

There are more than 50 island countries in the world.

The total number of islands is around 100,000.

NATURAL POWER COIN

## Global island green energy plan

### OUR LONG-TERM GOAL

NPC aims to develop the island's green energy  
combined with block chain technology  
in order to integrate the market  
and to promote local tourism.

NPC is relentless and will be constantly expanding the global  
green energy market.

# NPC first stage plan

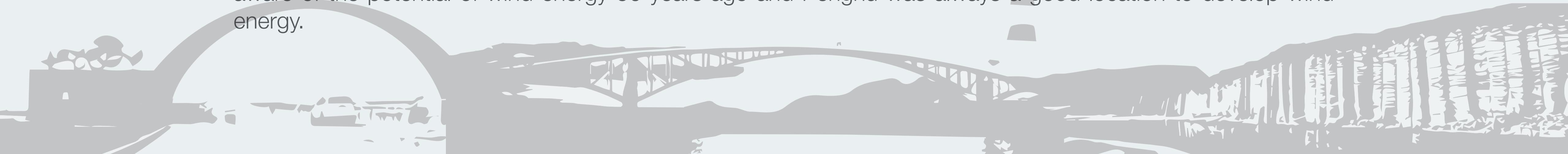
Leading Taiwan green energy to the global markets.

## Legend of wind energy: Penghu

The every first wind turbine was built in Penghu, where potential to grow is much higher.

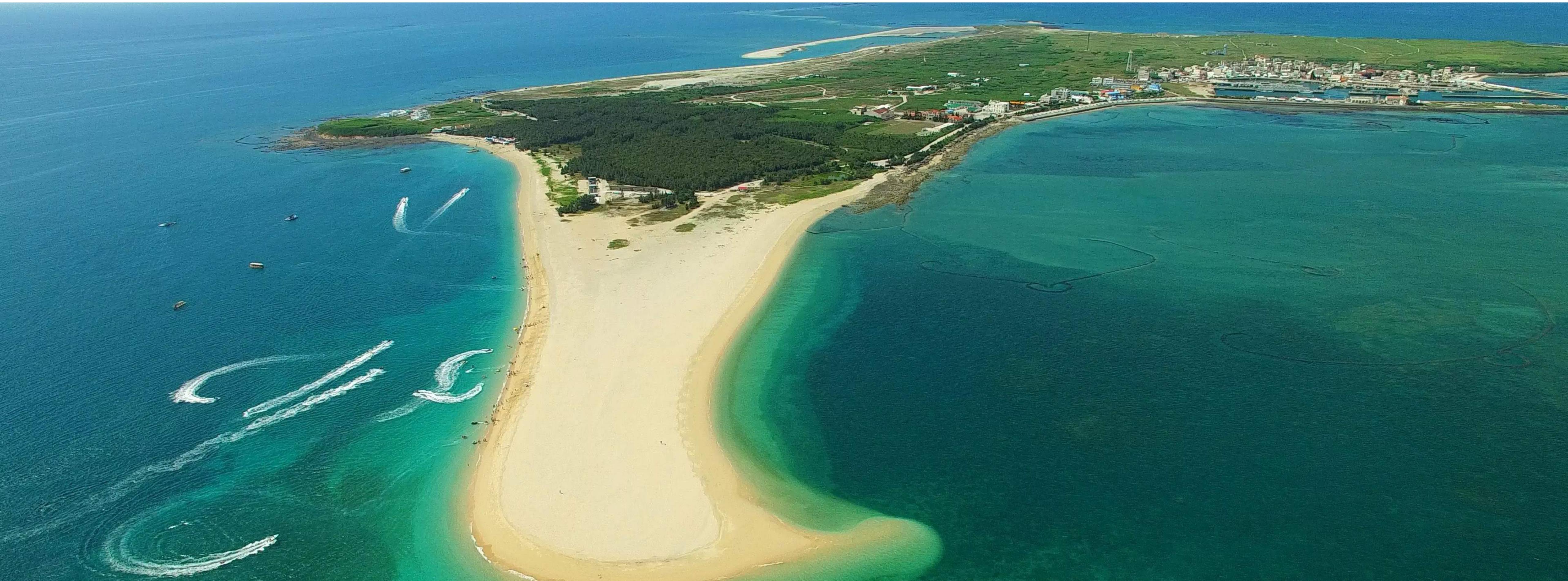
The very first wind turbine in Taiwan was built in Penghu in January 1964. Although the wind turbine was only capable of generating 50kW, it was the beginning of Taiwan's Wind Power Development Plan, created by Taiwan Power Company, which attended the WTO new energy conference and visited the contemporary leading wind farms in Denmark.

Based on the policy of green energy, Taiwan Power Company had built another two wind turbines in Penghu in October 1987. Even though these two wind turbines were just an experiment and had been demolished later on as the technology was not good enough at that time, it was an evidence that Taiwan Power Company was aware of the potential of wind energy 50 years ago and Penghu was always a good location to develop wind energy.



# *Penghu green energy Development Plan*

[Penghu-Jibei]



# NPC Technology

1

## PATENT OF WIND TURBINE

Patent of wind turbine and environmental impact assessment  
Patent of generator

2

## INTERNATIONAL MARKETING

International marketing team  
Internet platform planner

3

## INNOVATION

Innovation, Perfectionism  
Constant research, Better future

4

## GREEN LIFE

NPC >Green energy quantization  
>green energy usage in daily life

5

## INTERNATIONAL TEAM

Technological support partners from three leading green energy countries, Switzerland, Netherland and Germany

6

## SHAREHOLDER CONFERENCE

Asia green energy pusher  
Investors from second generation of emerging corporates

# Goals of ICO Plan

1

By 2020 it is planned to build 500 wind farms with the technology and the capital from the NPC

2

Profit and energy consumptions will be calculated by crypto currency team, to make sure that the tokens are behaving properly in the market

This project could make the local government to care more about the green energy sources and provide more support.

3

Asian green energy markets could receive a boost from this project.

4

# NPC Application of Block Chain (computing mechanism)



Data from wind energy can apply on ocean, wind, climate and big data analysis



Energy data  
Energy allocation  
Green environment



Renewable energy allocation  
International technology expansion  
Complete conversion to green energy

## Tracing electricity production ( Using smart contracts, automatic recording of electricity production, avoiding mistakes)

Based on Ethereum technology our side chain of NPC can trace and record every unit of electricity on the smart contract. Once it is recorded, it can not be altered by anyone. Data will be generated from the records of the blockchain and research conducted afterwards.

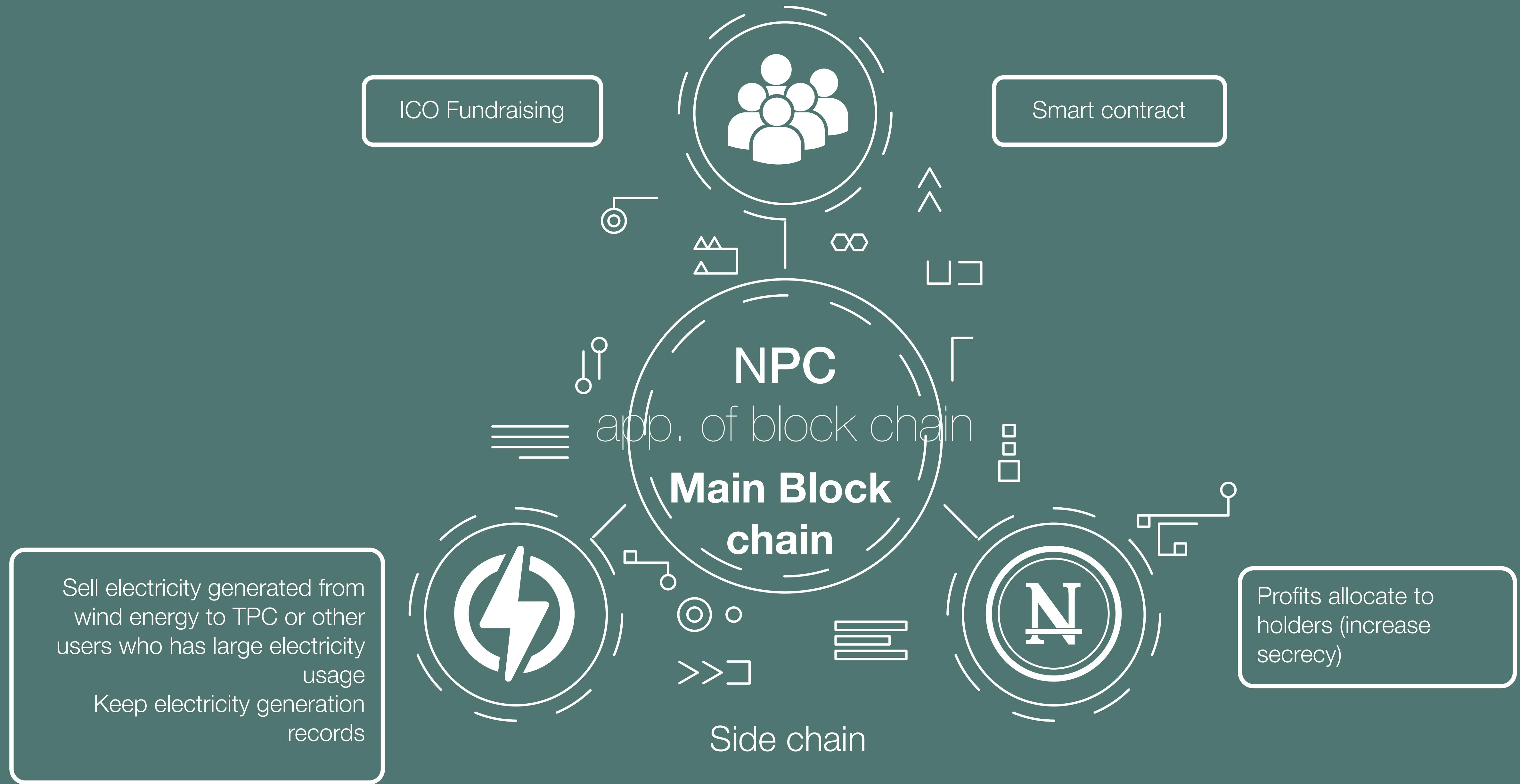
## Capital and profit allocation

The capital and profit will be recorded on the block chain, and will be allocated to the investors. All transactions will be transparent and visible to the users, avoiding manual changes on the network.

## Contracts and side chains

NPC合約是一個以太坊 EVM 智能合約，任何人都可以複製和使用它來協調分佈式分類帳上的技術加密。完成整個技術使用情況將儲存於以太坊主區塊鏈中，並且為了降低成本，可以在NPC協定（Ethereum 軟體的分支）上運行的相關側鏈中儲存和驗證各個追蹤和使用單位 資料，例如 NPC Foundation 將實施和維護的稱為「NPC Prime」的協定。大型合作夥伴將能夠在有（或沒有）NPC Foundation 的幫助下運行自己的 NPC 協定側鏈。 提交技術使用訂單後，智能合約將啟動。該合約將包括技術內容資訊的哈希校驗值總和簽名，包括起始 地址、產生單位、使用單位、仲介機構或政府監管資料，等等。擁有這些值的有效副本的任何人，都可以驗證簽名並在主以太坊區塊鏈上確認合約的有效性。

資料本身可以選擇性地被加密並儲存在側鏈中，以便進行更具體的追蹤。當進行能源轉移與使用時則會簽署合約（並且每個合約將能夠針對如何解決糾紛[包括第三方仲裁]規定其自己的條款）



# NPC Block chain allocation

## (Computing example)



Interest is payable to the investors on the profits made every quarter



Based on ERC-20 smart contract,  
NPC platform will transfer the interest

of 20% of profits made to the holders of NPC every quarter.

The interest distribution will be processed on the platform automatically.

The order of the interest distribution will be decided by the time  
when the contract made, which records in the block chain.



# NPC Application of Block chain

## (Calculation method)

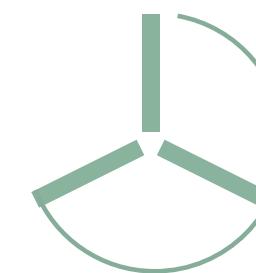
$$\sum_{i=1}^n Q_i^{repo} \equiv \sum_{i=1}^n \frac{(EBIT_i - CAPEX_i) * 20\%}{(P_{i-1} * 10\% + P_i)}$$

Definitions of variables /  
220% of NPC taking per quarter  
Market price of NPC per quarter  
Profit before tax per quarter  
Expense per quarter

$$P_0 = \sum_{j=A}^C \frac{P_j^{issue} * Q_j^{issue}}{Q_j}$$

Selling price of NPC at A/B/C stage  
Selling quantity of NPC at A/B/C stage

+



$$\sum_{i=1}^n Q_i^{repo} \sum_{i=1}^n \frac{(EBIT_i - CAPEX_i) * 20\%}{(P_{i-1} * 10\% + P_i)} \quad P_0 = \sum_{j=A}^C \frac{P_{issue\_j} * Q_{issue\_j}}{Q_{issue\_j}}$$

○



**According to the formula of NPC seasonal profit, 20% of the profit will be used to buyback**

NPC system will show the total amount of electricity generation and the profits made, and the interest will be payable to the NPC holders every quarter (three months).

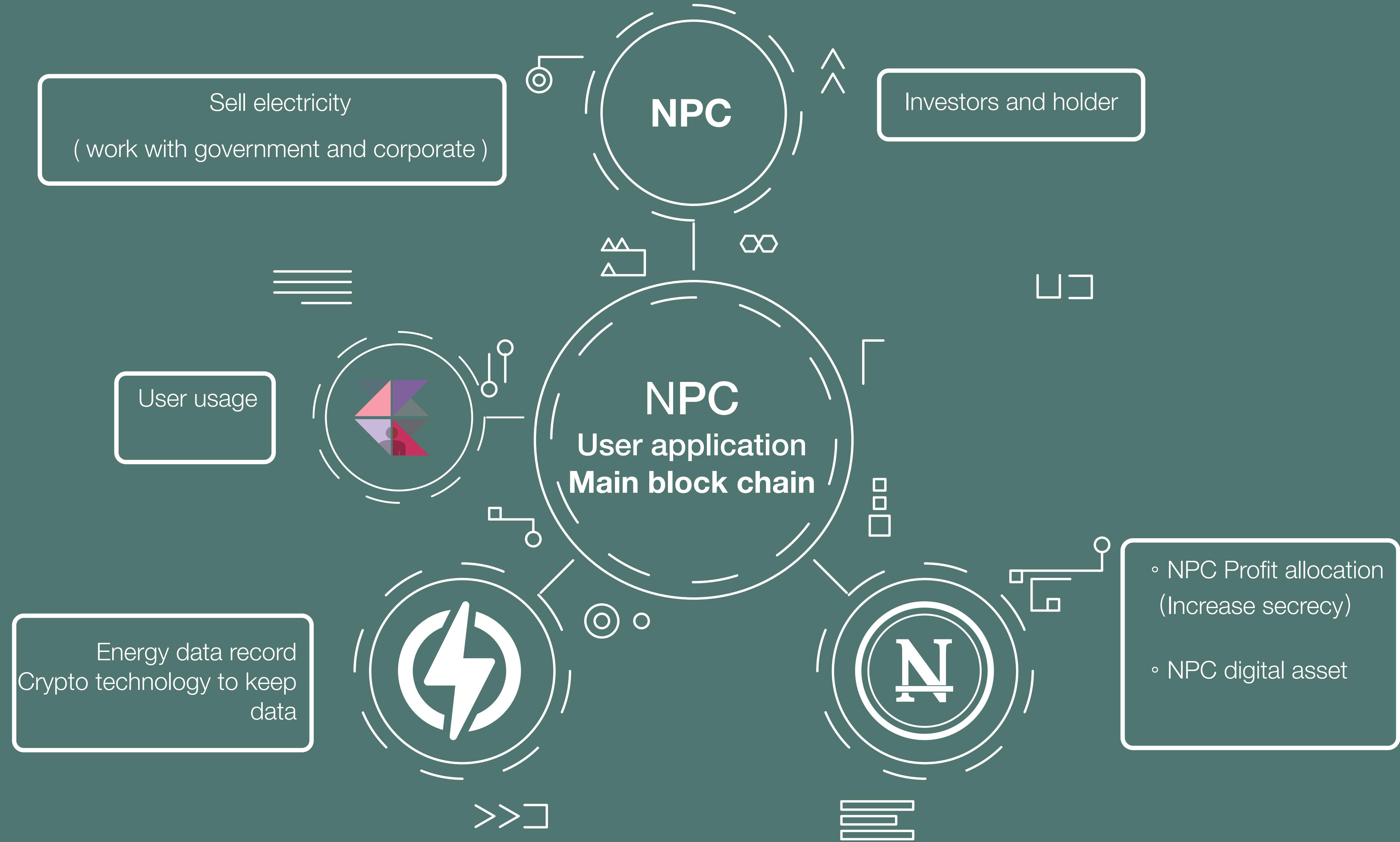
**It is predicted to reach % of return on investment in a year.**

The interest will be paid by the equal value of ETH

65% of annual profit will be used to further invest in wind turbines NPC.

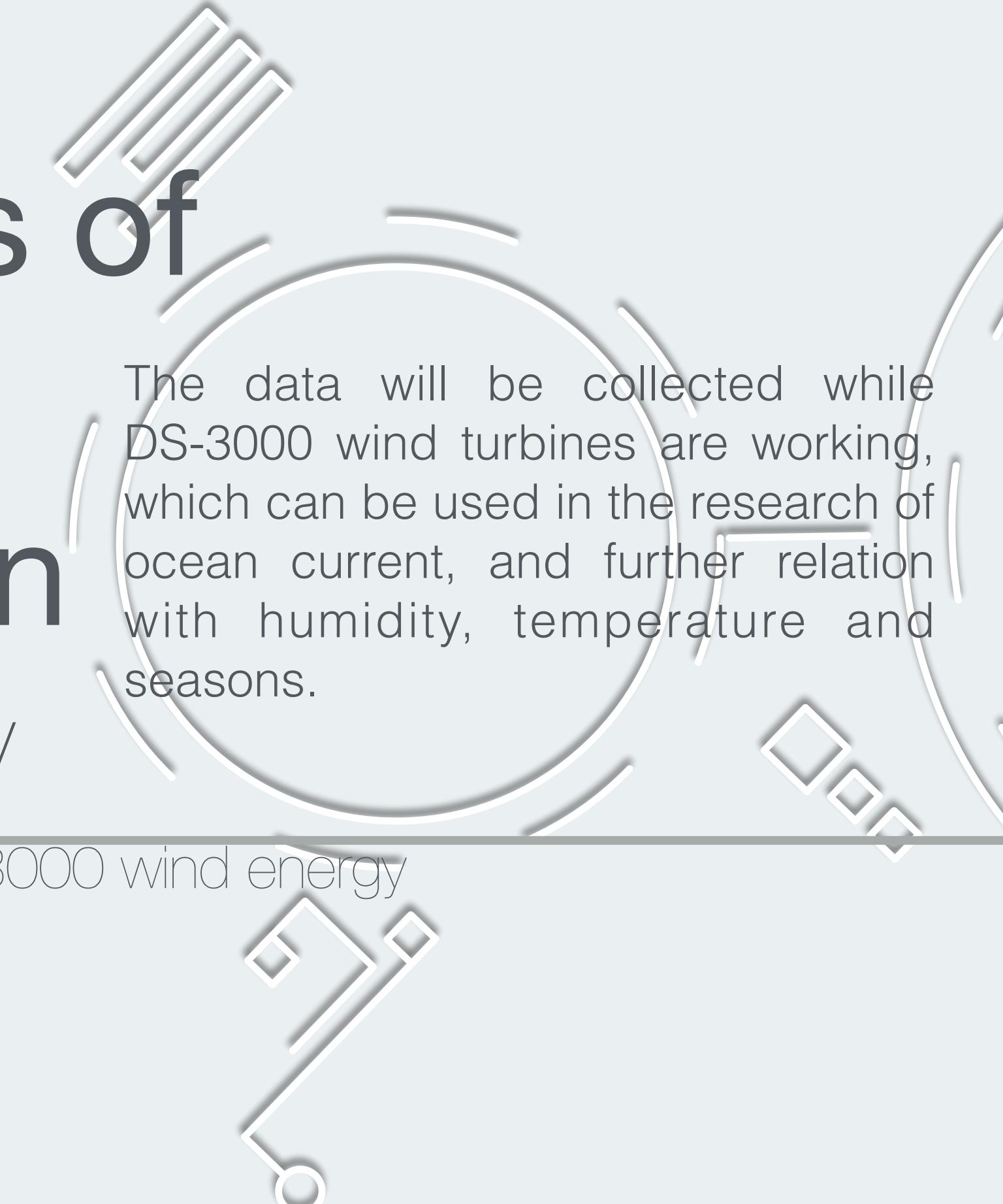
Work with the related companies,  
to constantly develop green energy and to build better environment.



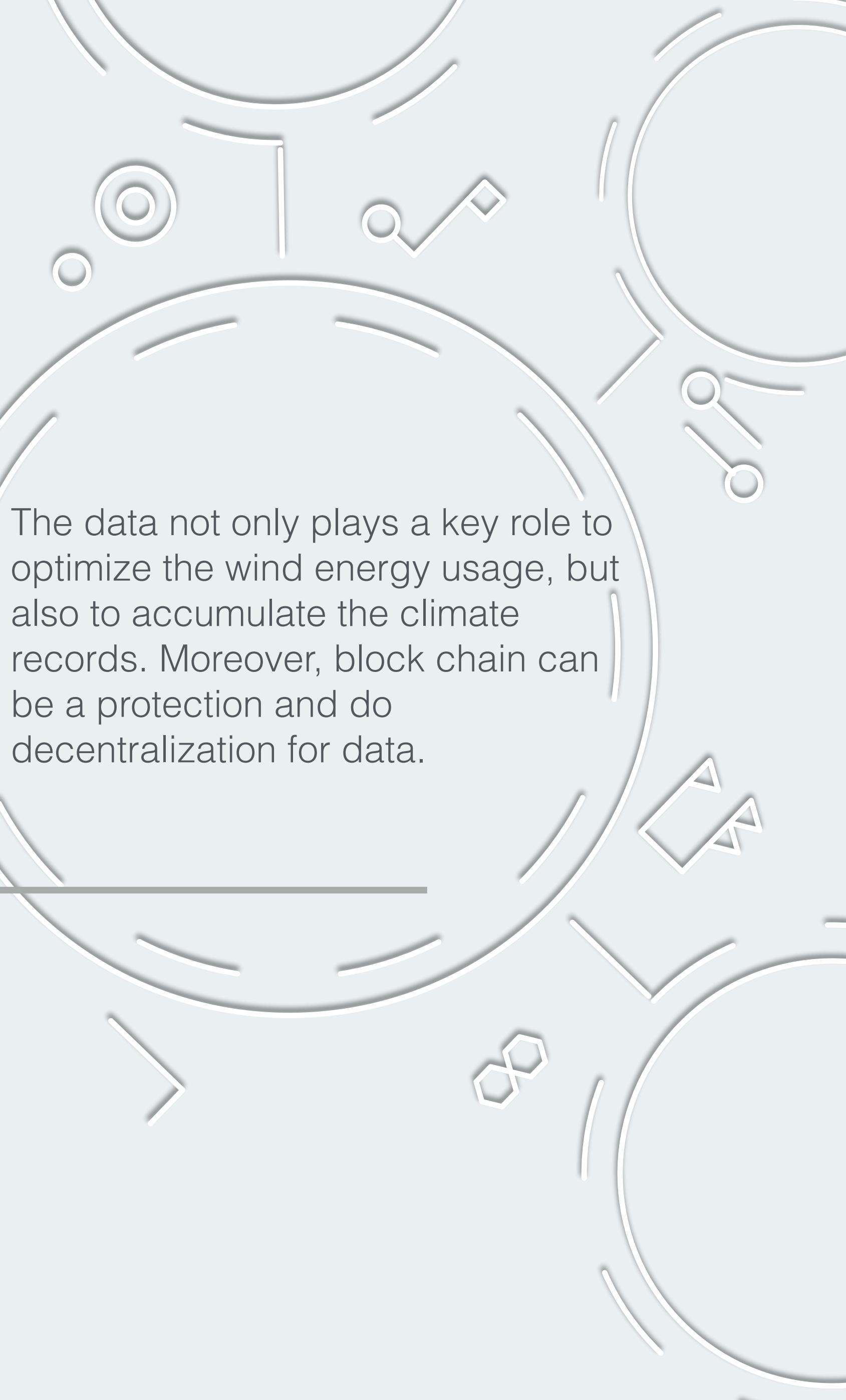


# The applications of the data from **NPC Block chain** and Green energy

The applications of data collected from DS-3000 wind energy



The data will be collected while DS-3000 wind turbines are working, which can be used in the research of ocean current, and further relation with humidity, temperature and seasons.



The data not only plays a key role to optimize the wind energy usage, but also to accumulate the climate records. Moreover, block chain can be a protection and do decentralization for data.



# NPC Roadmap ICO start

**2018**

0605



**STEP.1 System establishment**

- Build website
- ICO block chain establishment
- White paper writing
- Marketing Team (Digital Marketing+offline marketing)

**STEP.2 Final decision of ICO**

- Final test of website system and ICO block chain
- Final decision of ICO marketing strategy
- Final decision of financial plan and operation strategy

**2018**

0701

**2018**

0630

**2018**

0731

**2018**

0801

**2018**

0831



**STEP.3 ICO is officially online**

- Digital marketing、advertising
- Marketing activities and presentations of projects
- Short sale of ICO
- Fundraising



**STEP.5 The B stage of token sale**



**STEP.6 The finish of token sale  
The start of ICO operation**

**2018**

1001

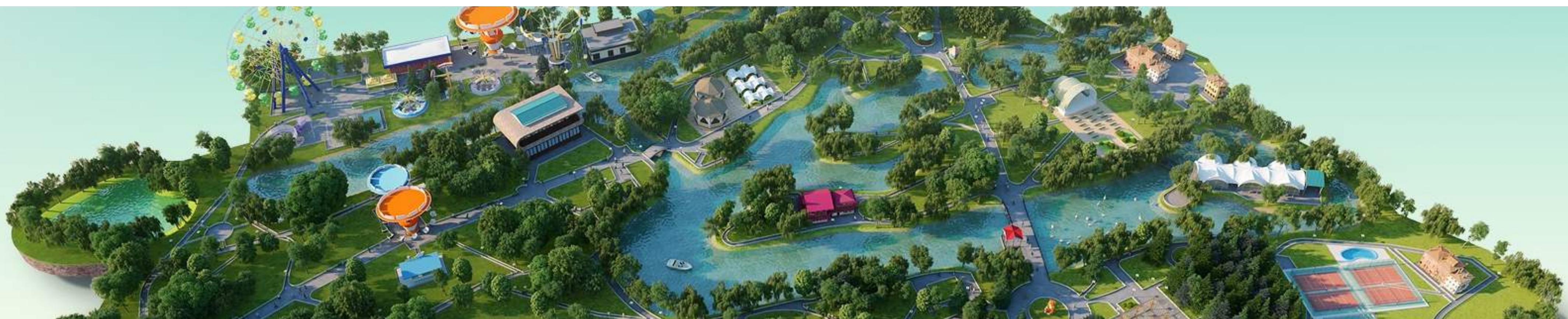


**STEP.7 NPC Launch**

- NPC Launch on exchange platforms
- Binance Bitopro OKex



# NPC Roadmap ICO Second stage of development plan



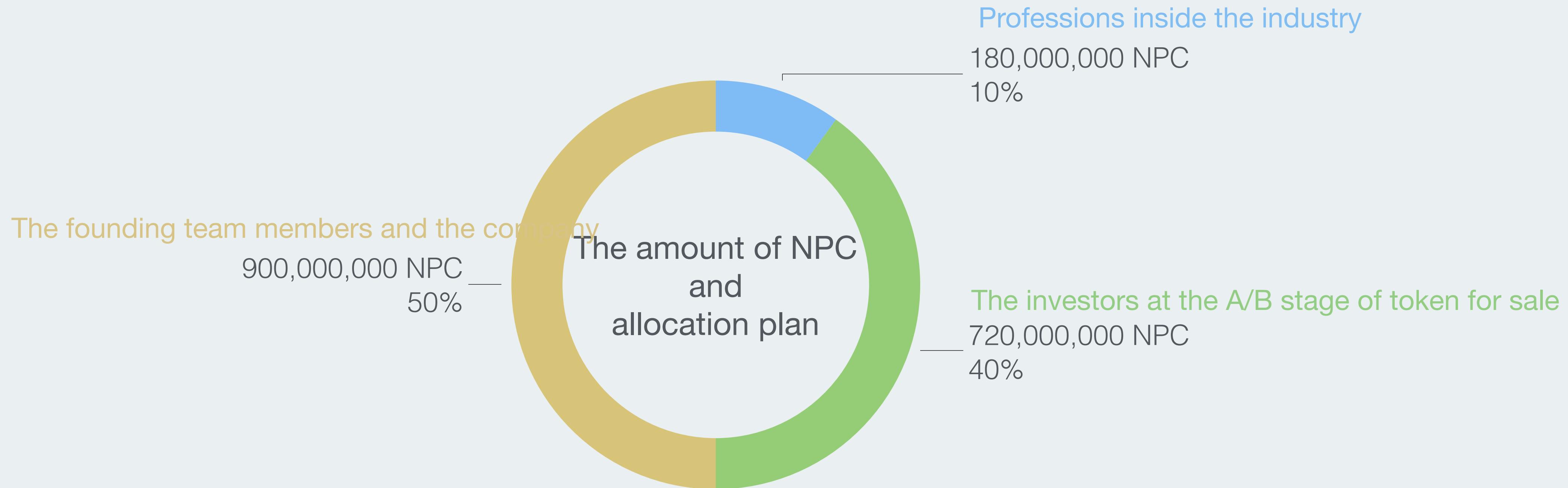
# NPC token sale

Natural Power Coin (NPC) is created by Natural Power(NP) platform and an ERC20 standard crypto token based on the block chain of Ethereum.

<b>2018</b> 0530	Release the draft of white paper to initial investors	<b>2018</b> 0630	Announce the selling project of NPC and white paper to general investors	<b>2018</b> 0701	The B stage of the token sale on NPC website and several trading platforms	<b>2018</b> 0831	NPC will be launched on BitPro	
<b>2018</b> 0605	The start of NPC, the green energy token in Asia	<b>2018</b> 0605	NPC exchange platform launches	<b>2018</b> 0701	The A stage of the token sale on NPC official website For Penghu residents only	<b>2018</b> 0801	End of the token sale (Might be closed earlier if sold out)	<b>2018</b> 1001

# NPC Distribution

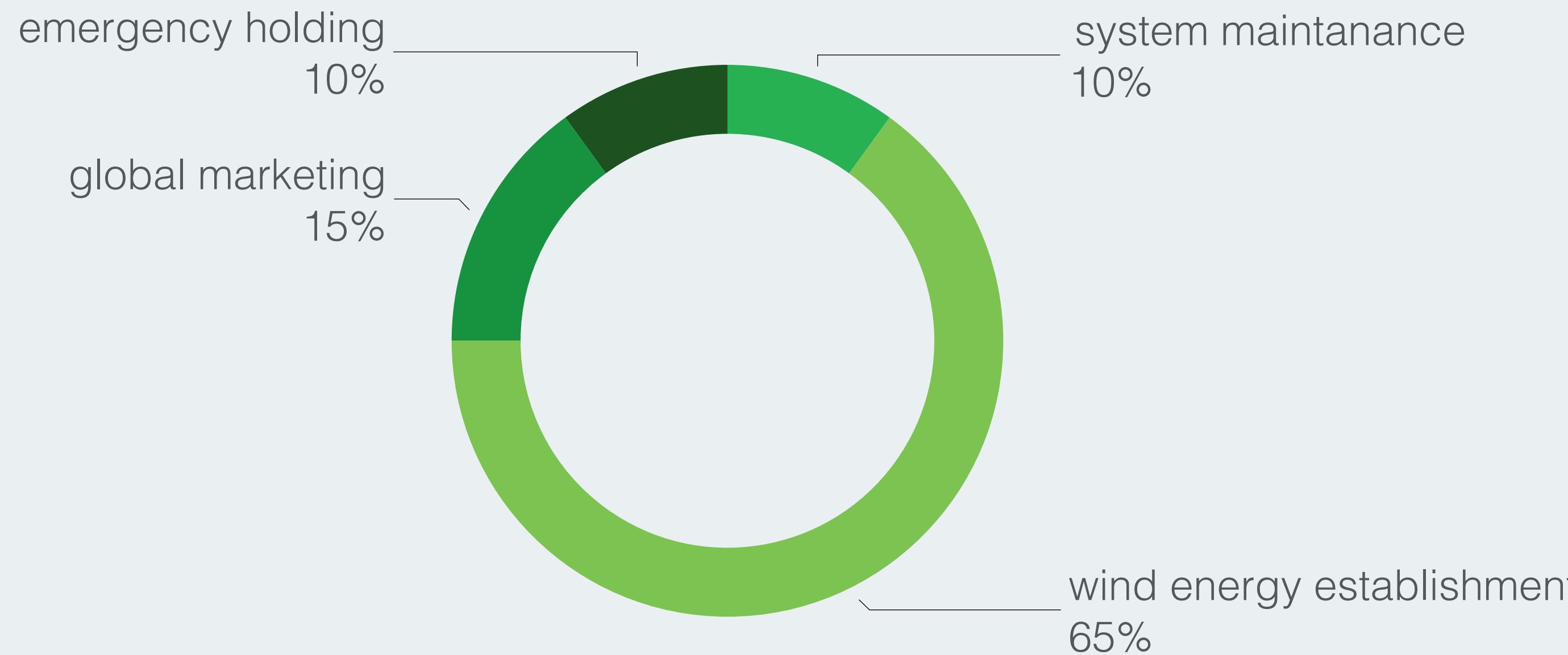
The total amount of NPC have set a limit of 18 billions and will never increase. 50% of NPC will be for sale, including 10% for professions inside the industry. Another 50% of NPC will be held by the founding team members and the founding company. Thus, it will be 7.2 billions of NPC for sale this time.



# Funds distribution

The distribution of the funds generated from the NPC sale:

- 15% of funds is distributed to the application of business license in the target countries and the support of every development project, allowing NPC to penetrate the global market. Additionally, it is used in relation to the research of new technology and marketing expense.
- 65% of funds is distributed to the maintenance of NPC system, including WPC block chain, wind farm establishment and big data analysis.
- 10% of funds is distributed to the development of green energy such as technology and the team members bonus.
- 10% of the funds will be allocated to the emergency holdings.



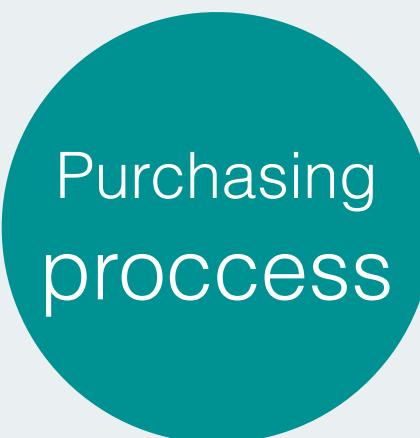
# NPC Token allocation



To prevent fraud the purchase of tokens are only available on our website, users need to be registered and verified.

Ethereum based

Unlimited



All unsold tokens will be re-sold every year in quantities less than 25%

2018/09/30 (Tokens will be sold on Bitopro)

If the buyers country has banned tokens, the purchasing of the coins is unavailable.  
Stage A of token sales; Penghu residents only.

For more details please check the official website.

#### Buy backs

The 20% of profits made will be used to buy back NPC tokens every quarter. The coins then will be destroyed permanently until the amount destroyed will reach 2.5 B tokens. For the transparency this information will be available on our platform.

#### The NPC token holdings sale plan

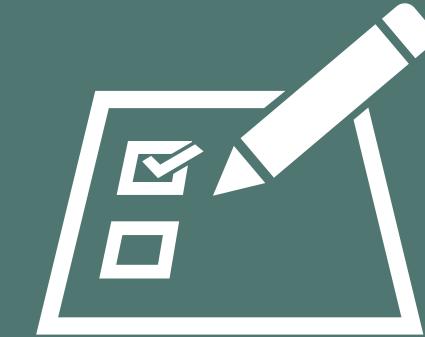
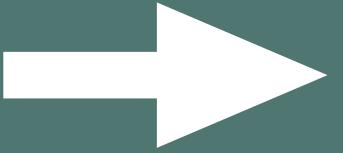
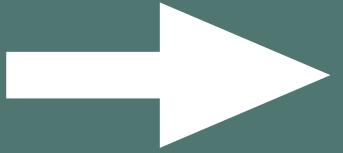
The founder team will be holding 900 000 000 tokens, which will not get sold in large quantities, as per the plan below;

- First stage release : 25% (225,000,000)
- One year after : 25% (225,000,000)
- Two years after : 25% (225,000,000)
- Three years after : 25% (225,000,000)

# Marketing promotion bonus

Every NPC holder can join this promotion

The 5% bonus is applied when promotion code used. After the purchase of the coins, the buyer will receive a promotional code which you can share with other people and when used 5% of purchase price will go to promotional code owner.



Minimum eligibility for promotion  
100 000 NPC tokens = Level 1

Can claim 5% money back /5000 NPC Tokens

推薦者可選擇  
1 / 持續持有NPC  
2 / 當下與預購NPC之ICO投資者做兌現

# Land letting bonus for green energy

Penghu residents only

NPC is planning to build 500 wind farms. The area of each farm will be around 661 sq.m. There will be 9 wind energy generators in one farm. Smart contracts will be signed with the landlords of the rented land, to be paid 10 000 NT\$ in every area per month.

**500**

500 wind farms in Jibei  
area

**200**

Each area will be roughly  
661 sq. metre

**9**

9 Wind generators in each  
farm.

**4,500**

Total number of wind  
energy generators

Landlords can get paid 10 000 NT\$ per month for the land provided and profits made by the NPC

## C O F O U N D E R S



NPC Marketing Director **彭冠今**

Experienced Speaker in Marketing, proficient in branding  
Experienced crypto currency trader

**戴昆生** NPC Director of Technology

Owner of several companies including digital marketing, software, catering, blockchain.  
Is experienced in business and people management.



NPC Business Director **黃文輝**

Experienced in Marketing and has good understanding of consumer behaviour, can provide valuable plan of ICO.  
Marketing is not selling a product - it is to provide enjoyment and satisfaction to the consumer.

## C O N S U L T A N T S

**曾靖澄**

NPC Global Business Director



Nominated as top 6 insurance agent in his first year at Shin Kong Life Insurance Co. Ltd.  
Director of global environmental protection association.  
Stock market agent in Japan  
Marketing consultant at several companies  
Have made 1M NT\$ by trading 8 different coins.  
The founder of OK club, which does oversea financial investments, catering and property investment.

Director of Asia market **Bruce Huang**

Current Director of Asia market at Kingsmen Capital Ltd  
Emerson College Boston USA  
Fu Jen University MBA  
Lead of financial analyst at HCB Taiwan  
Investment Manager at SCB  
Market analyst at AIMS Singapore





## NPC is cooperating with industry-university research project

NPC DS-3000W Wind energy generator

100% Developed in Taiwan

Working together with industry government and education for a research of wind energy.

Research Agencies

# NPC Team

The team of professors related to wind energy research



Prof. 林顯群

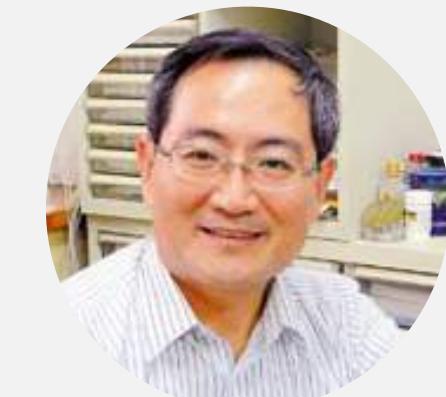
Research : Aerodynamics and mechanical structure analysis  
National Taiwan University of Science and Technology  
-CFD simulation of aerodynamics  
-Ansys Simulation of chemical structure and resonance



Prof. 王培仁

Research : Generator  
Tsing Hua University  
Department of Power Mechanical Engineering

-Efficiency and electromagnetic field measurements of 2D and 3D Generators



Prof. 苗君易

Research : Wind tunnel testing and analysis  
Cheng Kung University  
Department of Aeronautics and Astronautics  
-Torque Meter and accelerometer testing of wind tunnels



Prof. 潘晴財

Research : Electrical control systems  
TsingHua University  
Department of electrical Engineering  
Electrical control systems research

# NPC Partnerships



**林軒毅** ShanHsuan International Ltd.

2015~2016 Private fund currency trader

2017 Jan - Co founder of ShanHsuan Ltd. Responsible for Venture Capital  
by September they have changed to crypto currency investment company

2018 March - Changed the company to crypto currency asset  
management.

ShanHsuan International Ltd.

**陳育昇**

2015-2016 Oversea financial consultant

2017-2018 Sales manager  
Manager of crypto currency investment



**鄭偉志**

Experienced in sales and investments for 10 years

Have been hosting hundreds of large conferences. Have earned more than  
1 000 000 NT\$ for two cases.

Previous High school teacher

**李家蓉**

Early crypto currency investor, which met a bearish market, but created a  
profitable way to reinvest the money and now earning more than in her  
previous job.

「Even small drops of water breaks the stone」



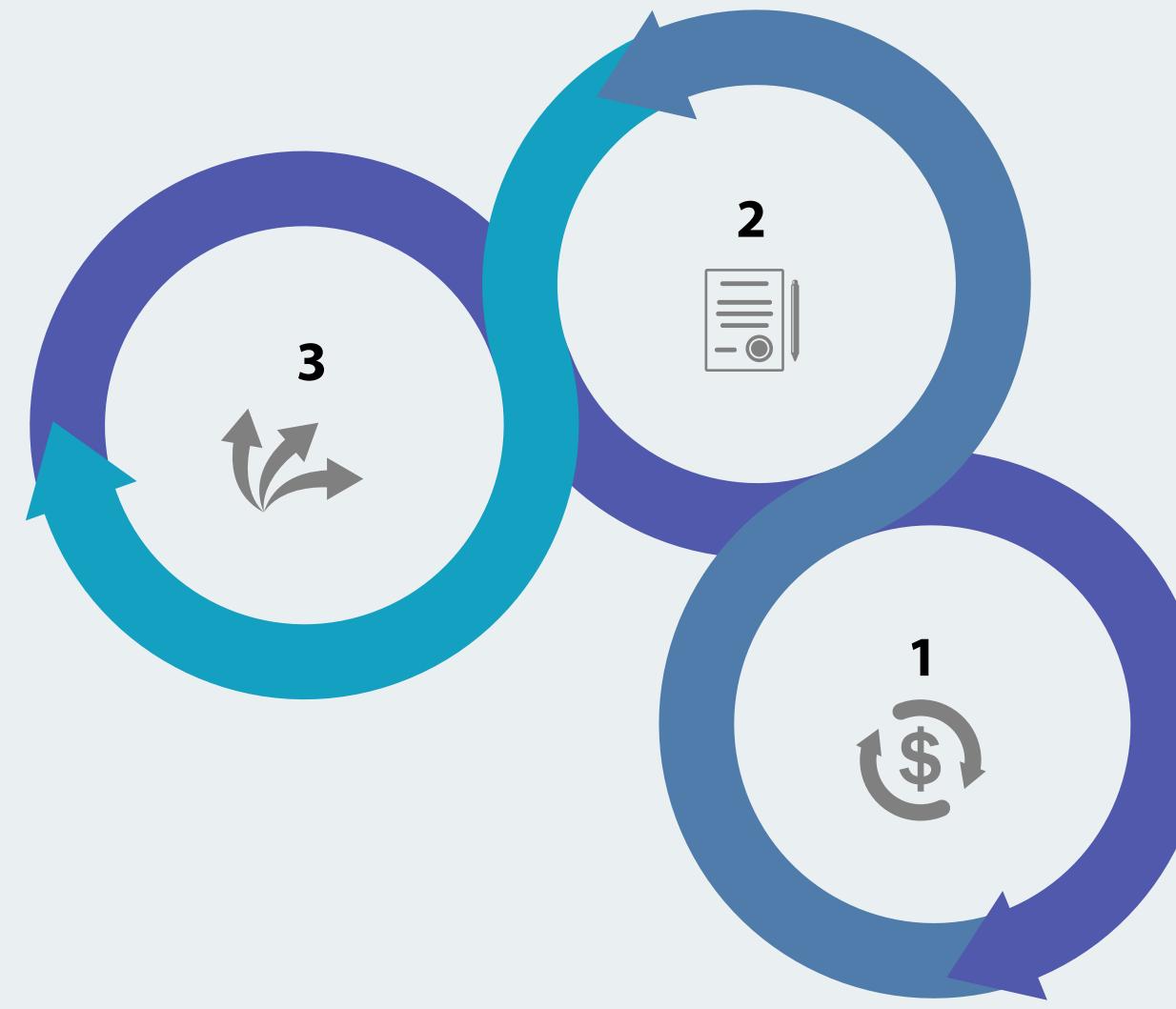
# NPC Conclusion

- Conclusion
- The key points of the plan

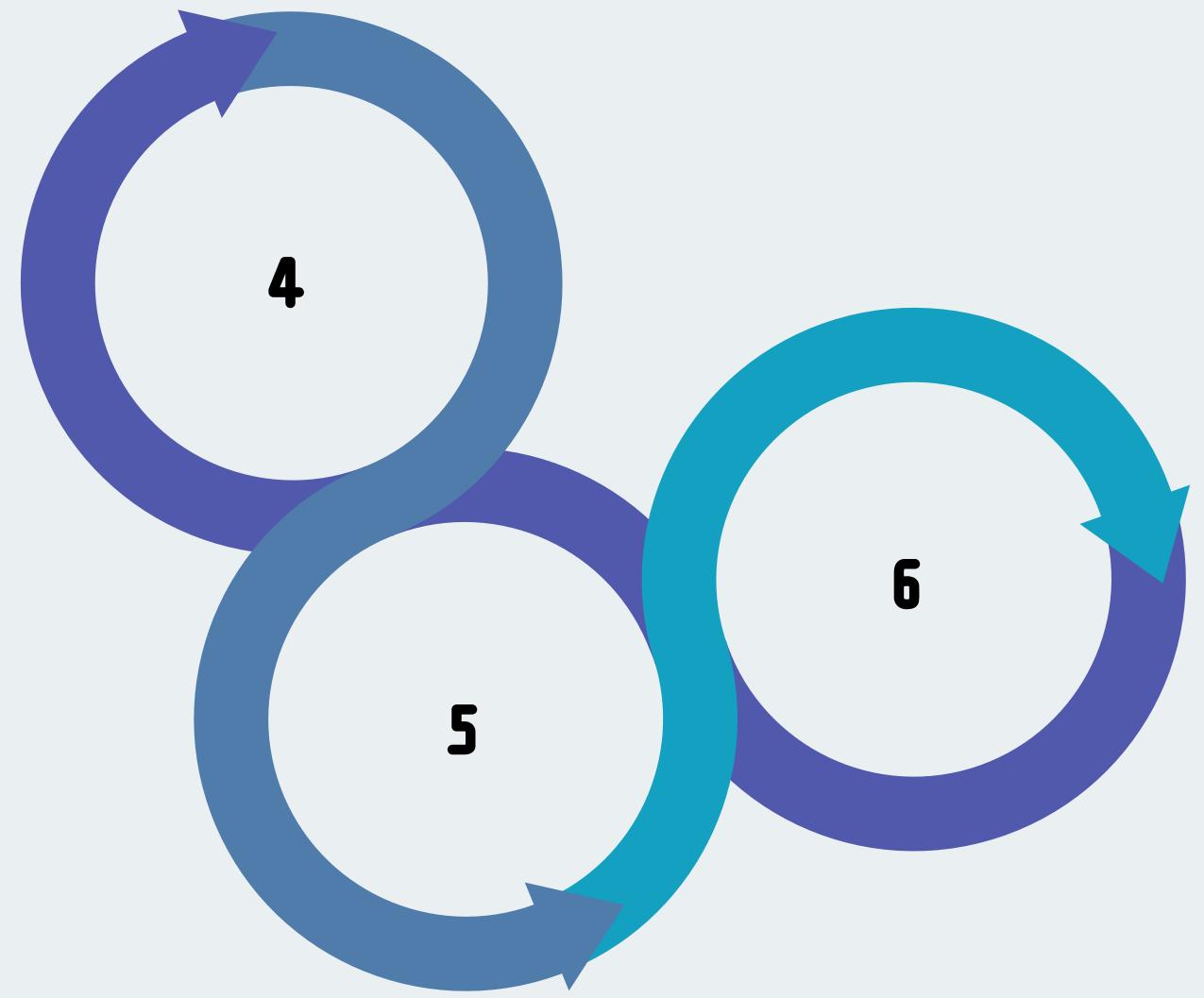
NPC aims to develop project to become first global project to combine blockchain and renewable energy. During the last 2 years, there were many fraudulent ICOs where investors lost their money. The company doesn't want to end up in this situation. ICO can bring a lot of solutions to the business model and the society.

## **Key points for the investors of the ICO.**

The NPC will pull all of their efforts and sources they have to make sure the successful operation of the ICO white paper. Meanwhile to help all the investors to get the best return on the investment. Thank you for everyone's support and attendance.



- First stage of the ICO is planned to last 1 month, but if the funds will be gathered sooner, the deadline might be pushed back. Please check announcements.
- On the first stage of the ICO the interest rate return on the profit will start from the end of the first year, due to necessary time to build wind farms and operation initialisation.
- We have signed 25 year contract with Taiwan power company, so the source of the profit will be clear and simplified. If you want to look at the contents of the contract, please check the NPC Technology page.



- NPC will be the owner of all the wind farms, no other companies have a stake in the business, so it minimises the risk of fraud.
- NPC token is based on Ethereum blockchain, but the data generated from the wind energy will be analysed by the NPC engineering team and their American partners.
- Currently NPC is working with their partners in America, Switzerland and Japan. With crypto currency technology we plan to develop the wind energy for daily use.

# Disclaimers and Risks

## Disclaimers

This White Paper does not constitute advice in relation to whether you should participate in BitoPro International Digital Asset Exchange (“BitoPro”) or buy any BITO Coins, nor should it be relied upon in connection with, any contract or purchasing decision. This White Paper does not constitute any purchase offer or contract or commitment, of any kind.

BITO Coins are not intended to constitute securities or any other regulated product in any jurisdiction. This White Paper does not constitute a prospectus nor offer document of any sort and is not intended to constitute an offer or solicitation of securities or any regulated product in any jurisdiction. This White Paper has not been reviewed by any regulatory authority in any jurisdiction.

## Nature of BITO Coin.

You acknowledge and agree that BITO Coins do not stand for or function as:

1. equity interest or control power in, or obligations of BitoPro, or that of any other entity in any jurisdiction, or any discretion in connection with BitoPro or aforementioned entities;
2. investment of any kind in any venture;
3. any securities having intrinsic value or market price; or
4. any commodity or asset that any person is obliged to redeem or purchase.

## **Not available to all persons.**

BitoPro and BITO tokens are not available to all persons. Participation may be subject to a range of steps, including the need to provide certain information and documents.

## **No representations or warranties.**

No representations or warranties are made as to the accuracy or completeness of the information, statements, opinions or other matters described in this document or otherwise communicated in connection with the project. Without limitation, no representation or warranty is given as to the achievement or reasonableness of any forward-looking or conceptual statements. Nothing in this document is or should be relied upon as a promise or representation as to the future. To the fullest extent permitted under applicable law, all liability for any loss or damage whatsoever (whether foreseeable or not) arising from or in connection with any person acting on this White Paper, or any aspect of it, notwithstanding any negligence, default or lack of care, is disclaimed. To the extent liability may be restricted but not fully disclaimed, it is restricted to the maximum extent permitted by applicable law.

## **Sophistication.**

Tokens are often described in exceedingly technical language; a comprehensive understanding of applied cryptography and computer science is required in order to appreciate inherent risks. By using the Services, you represent and warrant that you have sufficient knowledge, market sophistication, experience, and/or professional advice sufficient to undertake a prudent evaluation of the merits and risks of all transactions conducted by you pursuant to BitoPro services. You agree to bear sole responsibility for the aforementioned evaluation.

## **Forks.**

The blockchain technology underlying BITO tokens is subject to change at any time, including changes in operating rules (commonly referred to as “forks”), and blockchain networks may go offline as a result of bugs, hard forks, or a number of other unforeseeable reasons. Such changes may materially and adversely affect the value or function of BITO tokens in your account. You agree that you are fully responsible for monitoring such changes and agree to bear all risks arising therefrom or relating thereto.

## **Malicious Nodes.**

Some nodes in BitoPro network may be malicious and attempt to get rewarded without corresponding contribution; also, attackers may try to ruin the BitoPro ecosystem if they only suffer from minimal penalties. We need strong guarantees to protect the network from malicious attacks to ensure that the transactions are secured and the ecosystem is sustainable. Some attacks that could threaten a blockchain network are listed and discussed as follows:

- **Sybil Attack.**

Malicious nodes could create multiple Sybil identities to strive for more rewards or cheat the network. In general, the proof mechanism should have established barriers to prevent Sybil attacks; however, there is no guarantee such barriers will always be successful.

- **Out-of-Work Attack.**

While an attacker can control a lot of nodes, the nodes could be used to make some troubles on a distributed computing network. The nodes controlled by malicious attackers could be called zombies. An attack methodology is to ask the zombie nodes quit or go on a strike at one time. On BitoPro network, the zombie nodes may take AI jobs but fail to complete them or return invalid results. If an AI job is assigned to a group of which most are zombie nodes, the AI job would receive unauthentic results or just simply fail.

- **Outsourcing Attack.**

Malicious nodes may outsource their jobs to other nodes, such that they may earn the rewards easily without consuming the corresponding computing power. On BitoPro network, nodes should present their capabilities to strive for taking jobs. Validation of node capabilities based on Proof-of-Intelligence may mitigate the behavior of outsourcing attack because the malicious nodes would lose their jobs if they do not endeavor to execute the same; however, there is no guarantee this approach will always be successful.

## **Disclaimer.**

BitoPro hereby disclaims all responsibility for any loss or damage arising from or relating to your use of any BitoPro services (including, but not limited to, risk of losses due to trading or due to factors beyond its control regarding the viability of any specific blockchain network). BitoPro further disclaims all responsibility for any loss or damages arising from or relating to any cyber-attacks (including without limitation the theft of your personal information), unprecedented surges in trading volume, any disruption or shut down of BitoPro services, or other technical difficulties with respect to BitoPro services.

### **◦ Security of the Platform.**

You acknowledge that information you store or transfer through BitoPro services may become irretrievably lost or corrupted or temporarily unavailable due to a variety of causes, including software failures, protocol changes by third party providers, internet outages, force majeure event or other disasters including third party DDOS attacks, scheduled or unscheduled maintenance, or other causes either within or outside BitoPro's control. You are solely responsible for backing up and maintaining duplicate copies of any information you store or transfer through BitoPro services.

### **◦ Not Securities.**

Use and purchase of the tokens generated by BitoPro carries significant financial risk. BitoPro hereby expressly disclaims that the transactions taking place on its platform pertain in any way to an offering of securities in any jurisdiction or that any documents published on its platform are solicitations for investment.

### **◦ Regulatory Measures.**

Crypto-tokens are being, or may be overseen by the regulatory authorities of various jurisdictions. BitoPro may receive queries, notices, warnings, requests, or rulings from one or more regulatory authorities from time to time, or may even be ordered to suspend or discontinue any action in connection with BitoPro website or services. The development of BitoPro website may be seriously affected, hindered, or terminated as a result.

## ◦ **Illiquidity and Price Volatility.**

You may find it difficult or impossible to liquidate. There may not be a demand for BITO tokens. BitoPro is not responsible for the circulation and trading of BITO tokens on the market. Tokens such as BITO tokens, if traded on markets, usually have extremely volatile prices. Fluctuations in price over short periods of time frequently occur, which price may be denominated in Bitcoin, Ether, US Dollars or any other fiat currency. Such fluctuations could result from market forces (including speculations), regulatory changes, technical innovations, availability of exchanges, and other objective factors and represent changes in the balance of supply and demand. The Seller is not responsible for any secondary market trading of BITO tokens, nor is BitoPro obliged to tame any price volatility of BITO tokens. Careful due diligence should be undertaken by you, with the full understanding that your contributions may not ultimately result in a useable or valuable token and the value of your contributions may therefore be subject to total loss. BitoPro does not make any representation or warranty, explicit or implicit, as to the usability or the value of any tokens. You understand and accept that there is no warranty or assurance that you will receive any benefits through any BITO tokens that you hold.

## ◦ **Compliance by Users.**

You acknowledge and agree that BitoPro is not responsible for determining whether or which laws, rules, or regulations apply or may apply to your transactions (including, without limitation, any anti-money laundering laws, securities laws and tax laws). You acknowledge and agree that you are solely responsible for compliance with all such laws rules, or regulations as may be applicable to your transactions. Without limiting the foregoing, you acknowledge and agree that you are solely responsible for all tax obligations arising from your use of BitoPro's services. You further acknowledge and agree that BitoPro shall not be liable, whether directly or indirectly, for any of your tax obligations.

## ◦ **Institution Compliance.**

You acknowledge and agree that BitoPro's record keeping and customer verification procedures may be, without prior notice, subject to change at any time as required by applicable regulations or state of the art practices. Applicable law, regulation, and executive orders may require BitoPro to, upon request by government agencies, freeze or suspend withdrawals or trading (or both), or disclose information regarding your account(s). In the event such disclosure is compelled, you agree that BitoPro may disclose information regarding your accounts. While BitoPro will endeavor to, where commercially reasonable, give you prior notice of such disclosure, BitoPro makes no guarantees that such prior notice will be made.

BitoPro reserves the right to modify and change this White Paper from time to time.

In case of any discrepancies or inconsistencies among the versions of this White Paper for different languages, the Chinese version shall prevail.

## **Risk**

BitoPro specifies and its users acknowledge all risks in connection with BitoPro's platform and items. You agree that by participating in any items on BiroPro's platform, you have understood and accept all risks of such items, and agree to take sole responsibility for all consequences arising therefrom or relating thereto.

## **Security:**

There are a lot of digital asset exchanges being out of commission resulting from security issues. We take security issues seriously; however, there is no 100% perfect security, for example, there are various losses and damages caused by events of Force Majeure. We promise to take all efforts, where reasonable and possible, to ensure transaction security.

## **Competition:**

We understand that we are faced with keen competition in running an exchange since there are thousands of teams planning and embarking on establishing trading platforms. Competition is cruel; nevertheless, in this era and times, competition risk is inevitable for any good idea, start-ups or even mature companies. For BitoPro Team, the competition we are faced with is our motivation for evolution.

Participation in any token launch projects always involves some degree of risk. All participants of such projects shall assess their risk tolerance based on their own experiences and personal financial plan or by seeking advice from their professional financial consultants, and shall fully understand the content and implementation plan of this token launch prior to their participation.

# NPC Index and References

## Wind green energy

<https://www.energystrend.com.tw/taxonomy/term/48>

<https://www.twtpp.org.tw/>

<https://www.epochtimes.com/b5/18/4/9/n10288347.htm>

<https://www.ey.gov.tw/Page/5A8A0CB5B41DA11E/ef93b5c1-85ea-4b5f-ac55-f460d9204258>

<https://www.ey.gov.tw/Page/9277F759E41CCD91/0ec99de1-0307-44a0-bbf4-da933cd1e0a4>

<https://www.re.org.tw/news/more.aspx?cid=198&id=772>

<http://www.etneo.com/en/wind-turbine-ds3000/>

## Crypto currency

<https://www.ethereum.org/>

<https://www.ico-china.info/>

<https://cobinhood.com/>

<https://coinmarketcap.com/>

<https://cointelegraph.com/tags/cryptocurrencies>

<https://www.investing.com/news/cryptocurrency-news>

# Patent

Verification reference numbers in green; application reference numbers in black

Description	Model	Taiwan	China	Japan
Wind turbine 1	New	D115854		
Wind turbine 2	New	D115855		
Core Clutch	New	M288334		
Optimum ratio of the blades and vertical axis	Developed	1288796		
* Structure improvement of the inner and outer axis	New	310950	Certificate No.989122	特願2006-266733
Wind turbine generator	New	M312834		
Direct Drive wind generator	New	96210000		
*Vertical axis suspension	New	M337630	Applying	

\* The applications for the patents were applied in India, North America, UK, Germany, Korea in April 2008

# Patent

## Verification of MD&LVD Compliance of new vertical wind turbine

Verified on 2 January 2008



(March 2015)  
DS3000 Wind turbine

certified by BSMI

**自願性產品驗證證書**  
Certificate of the Voluntary Product Certification

證書號碼： V393038420018號00  
Certificate No.

依據 **新高能源科技股份有限公司** 申請自願性產品驗證，  
審查結果符合規定，准予登錄並依規定使用登錄之主型式  
及系列型式產品驗證標誌與識別碼：  


The application made by **新高能源科技股份有限公司** for Voluntary Product Certification has been reviewed and found to be in compliance with related regulations. Therefore, registration is granted with the Certification Mark and the Identification No. **V393038420018號00** for all registered products. Details of the registration are as follows:

申請人：新高能源科技股份有限公司  
Applicant

地址：新北市林口區中湖里竹林一路168號  
Address

生產廠場：新高能源科技股份有限公司  
Factory

廠址：新北市林口區竹林一路168號  
Factory address

產品種類名稱：中小型風力機  
Type name of product

中文名稱：3kW垂直軸風力發電機  
Chinese name

英文名稱：3kW Vertical Axis Wind Turbine  
English name

型式：DS3000  
Type

系列產品：空白  
Series of type

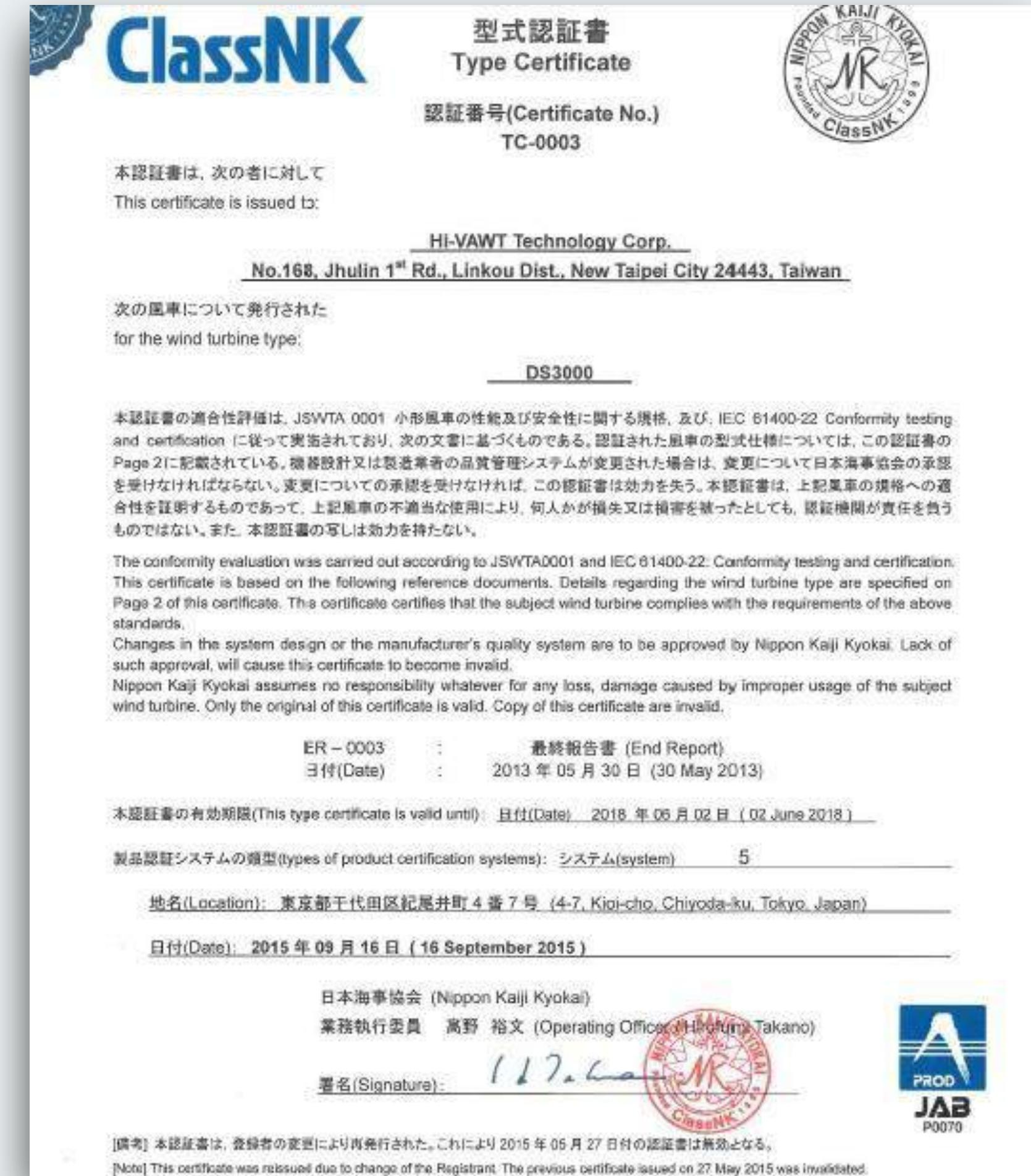
驗證標準：CNS15176-2 (附錄G) 102年版  
Standards

發證機關(擇一)：經濟部標準檢驗局  
Certification Body: This certificate shall be issued by the Certification Body.

核可日期：中華民國 104 年 03 月 05 日  
Registration date 2015 (year) 03 (month) 05 (day)

發證日期：中華民國 104 年 03 月 05 日  
Date of issue 2015 (year) 03 (month) 05 (day)

(June 2013)  
Japan DS3000 Wind turbine  
certified by Nippon Kaiji Kyokai





World Expo Exhibition Haibao and Hi-VAWT wind mills  
at Shanghai Waitan

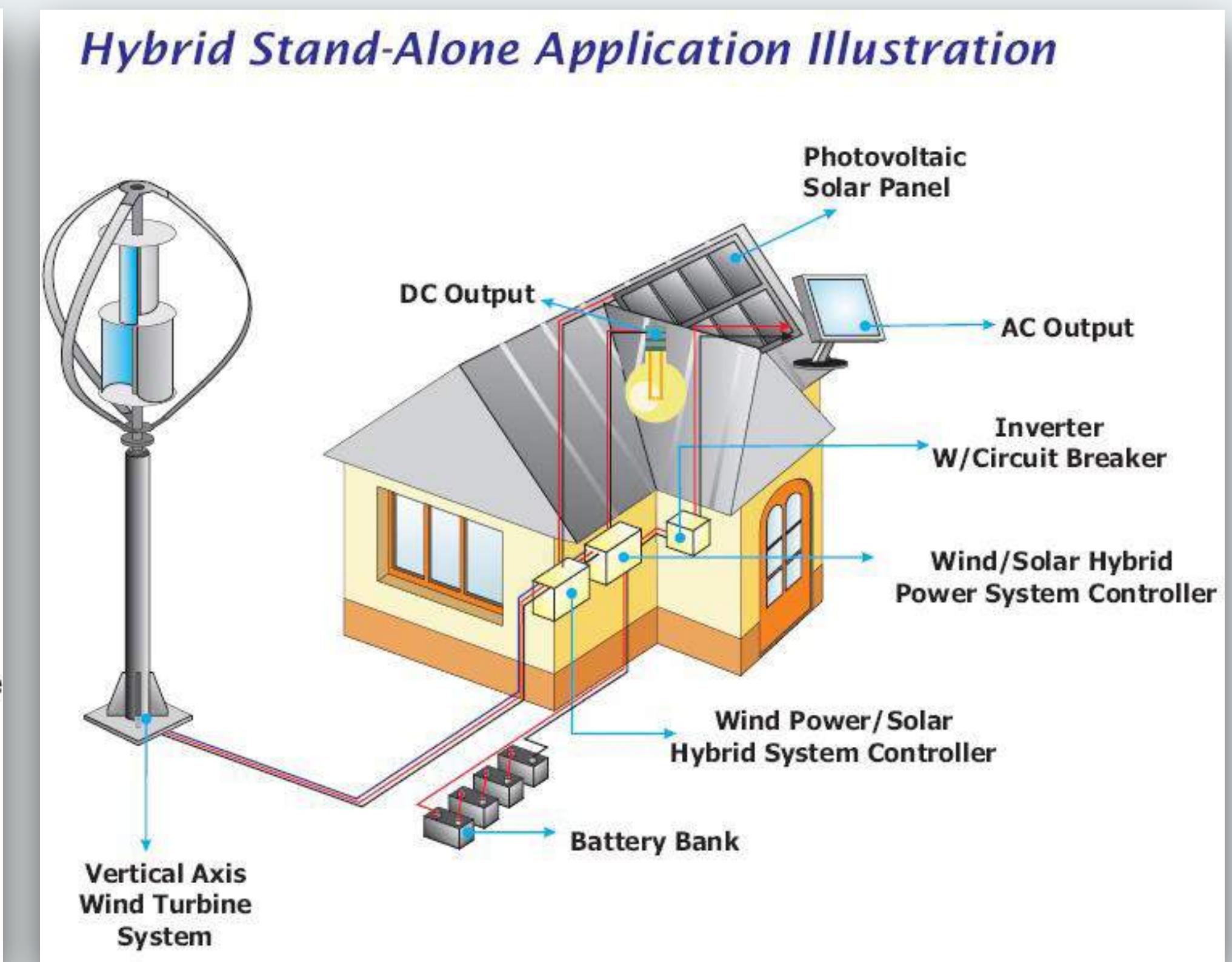
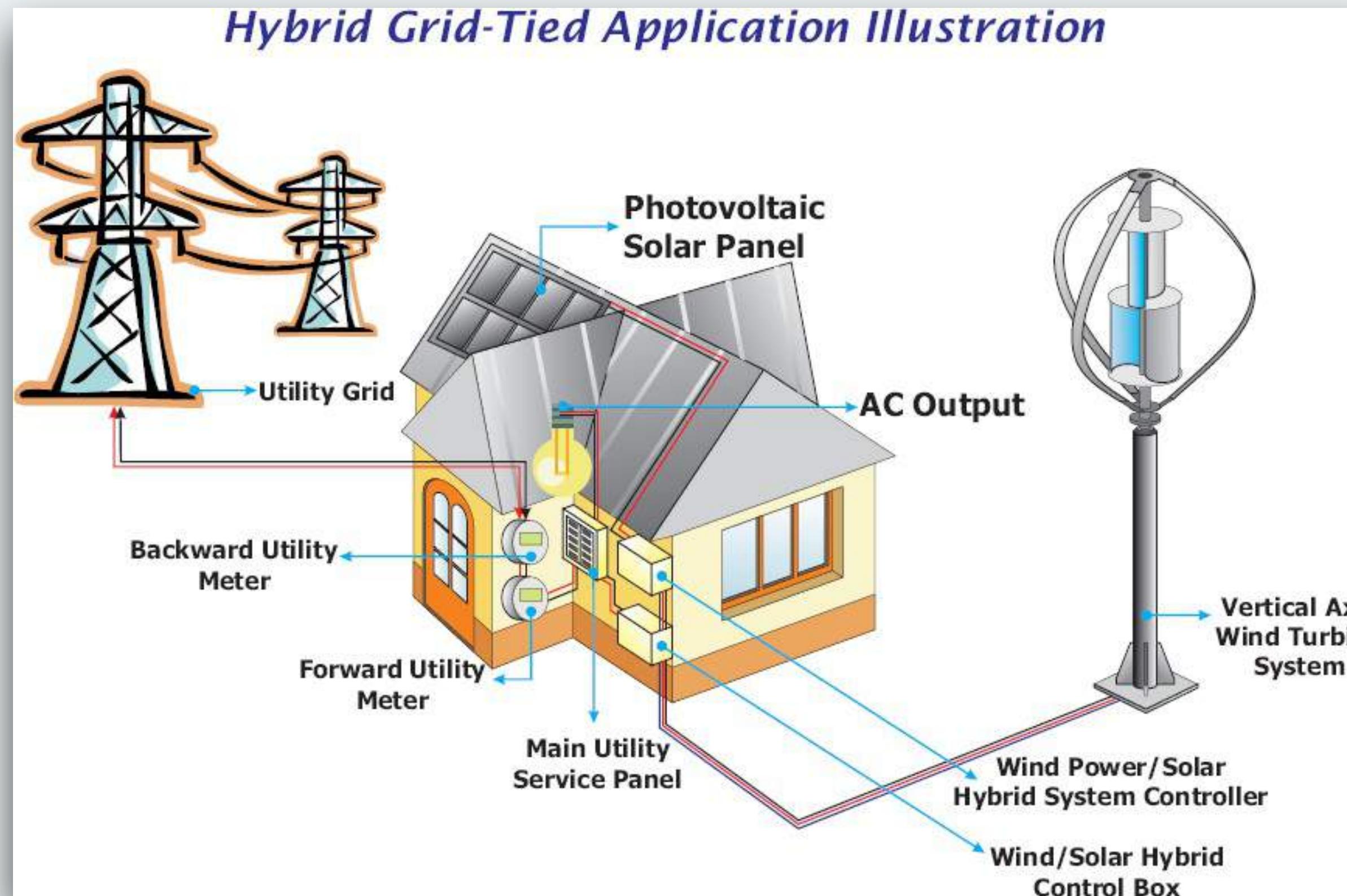


Fukuoka Japan



Apply 3kW at cell site in Korea SKT

The energy storage combined with the dual energy supplies



Central system adjusts RPM to adapt the weather

flexible to fit different buildings, easy to assemble, not taking much spaces



# Current Manufacturing Factories



HiVAWT Technology corporate  
Taiwan Linkau

Functions : Invention, operation, assembly  
production

Area of the factory : 1,250 sq. meter

Monthly production : 200 of DS3000



HiVAWT Technology corporate  
China Kunshan

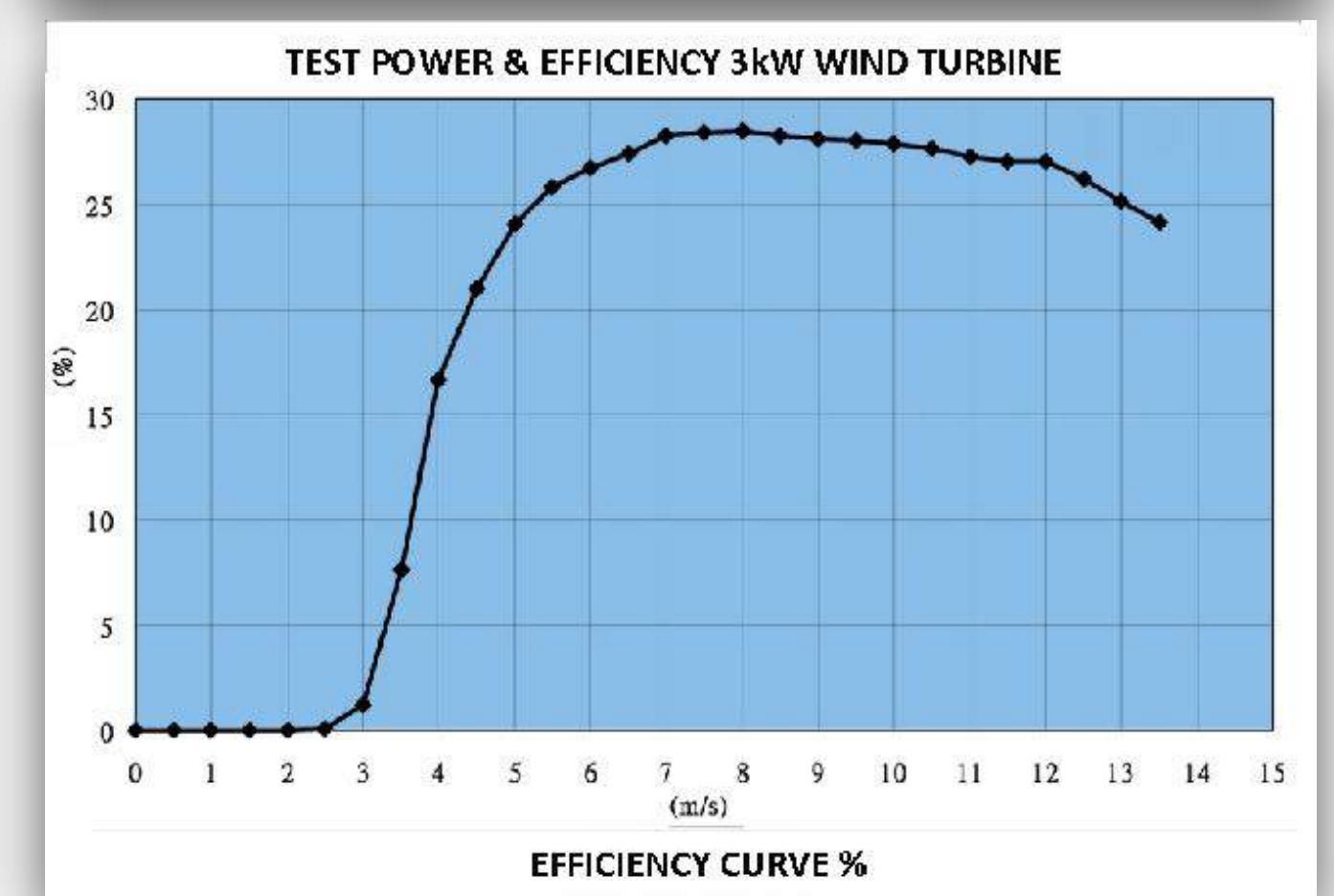
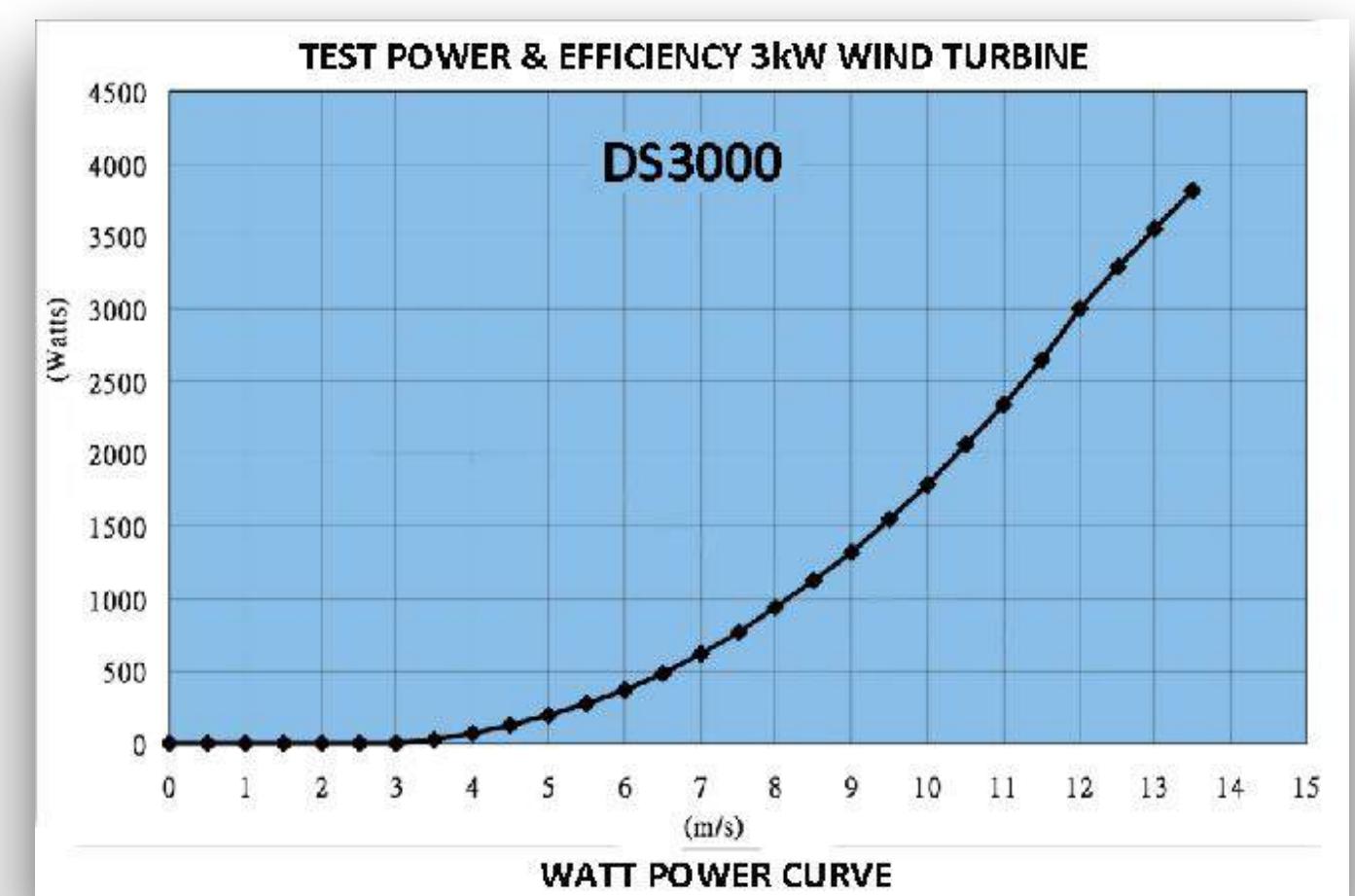
Functions : Mass production and cost control

Area of the factory : 7,000 sq. meter

Monthly production : 1,000 of DS3000

Test data, adapt the climate, highest power and efficiency within wind green energy industry

TECHNICAL INFO	
Wind turbine DS3000 Detailed technical specifications	
Number of blades	3
Type of blades	4 Savonius and 3 Darrieus
Generator	3 phases MPG
Nominal power	3kW
Voltage	48V/220V
Wind class	CLASS III IEC 61400-2
Swept area	10,5m <sup>2</sup>
Weight	680Kg
Cut-in wind speed	2,2m/s
Nominal speed	12m/s
Cut-out wind speed	18m/s
Transmission	Direct Drive
Power control	MPPT
Brake and protection	Automatic dump-load and automatic brake
Controller	48V DC for battery charge
Inverter	ABB inverter with 97% efficiency
Noise	Max. 50dBA
Type of pole	Conical 7-8mt



# Main developments of wind energy in the world

See the global

## Potential of green energy

In 2017, **Amazon Wind Farm Texas** is established in **Scurry County**. The total amount of wind turbines comes up 100, *height of 300 feet, and predicted it can produce 1 MWh of wind energy, which able to generate electricity for 330 000 homes.*

*The Baltra airport is located at the Galapagos Islands, and it is the first airport in the world that uses 100% renewable energy. Including both wind and solar energy.*

*31% of total energy produced in Scotland, was from wind generated sources. By 2020 the goal is to reach 50 to 80%. The plan is to build the largest wind farm in the North Sea. Last August they were able to supply enough electricity to whole Scotland, just by using wind generated energy. This achievement has made Scotland to be the leaders of the wind generated energy in the world.*

