

WIND POWER PRODUCE
WINPRO

— For Russia —

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No.20131106

Company Overview

WINPRO

WINPRO Co., Ltd.

■ Niigata Head Office

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■ Tokyo Branch

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■ Sanjo Technical Center

2-23-22 Aramachi, Sanjo-city Niigata 955-0083 JAPAN
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【Establishment】 April 22, 2003

【Capital】 213,360,000 JPY

【President】 Akio Hara

【NIIGATA Head office】



【Tokyo office】

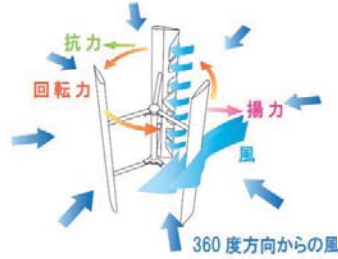


【Sanjo technical center】

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Vertical Axis Three Blades

Our unique blade design offers excellent all–aspect wind compatibility and aerodynamic characteristics. The rotation of blade is not influenced by wind directions and the blades can continue stable rotation with the wind coming from any direction.



Hybrid Power Generation System –Wind and Solar System

Our product is clean energy hybrid generation system which is composed of wind and solar power.

Independent Power Supply System

Since our product is an independent power supply system, it can supply electricity to lighting equipment and power systems even in those places that have no electrical infrastructure. As long as the hybrid power generation system can produce electricity by utilizing such natural energies as wind and sunlight, it can supply sustainable electric power. Therefore, it will be a sustainable power supply system for disasters.



Existing products

WINPRO



Public facilities in NIIGATA



Station in OSAKA



Company in OSAKA



City hall in NIIGATA



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**WIND POWER GENERATOR 5kW
 WP500-6B**

■ ■ 4 innovative techniques ■ ■

First among the world !

- 1) We developed the aerodynamics analysis of the vertical blade software at own company. The WINPRO blade has served as starting natured and high efficiency. (The patent acquisition)

First among the world !

- 2) We realized the co-axial inversion type generator by the non-contact magnet. (The patent pending)

First among the world !

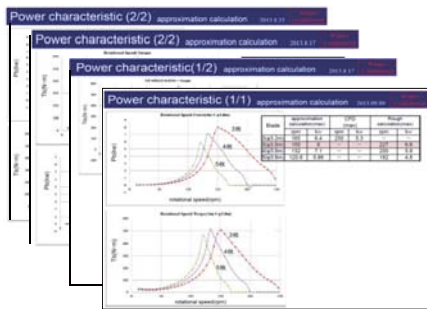
- 3) We realized the blade of the low friction rotation by the own strength floating structure. (The patent pending)

- 4) We realized the automatic shifting electronic load control system of the resistance level. (The patent pending)

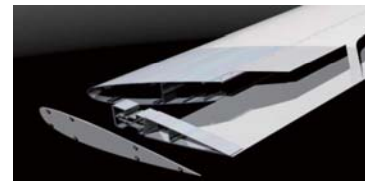


Characteristic of New Wind-Power Generator

【Company design ▪ Original vertical axis type blade】



- By the optimal value and the high efficiency, We developed that reception area of wind is less than 1/2 conventional and production cost is 1/3.

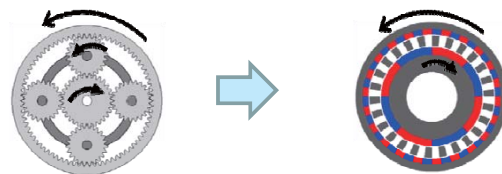


【The non-contact inversion type generator】



【 Inversion type generator using the planet gear】

【 The non-contact inversion type generator】



- ① It is reversed only by the power of magnetism. (non-contact magnet structure)
 - Not mechanical loss and realized rapid electric energy .(high efficiencies 99% or more)
 - We realized the long-term durability and the quiet nature by gearless structure.
- ② Inversion speed is 7 times by magnet sequence. (Quantity of power generation is 49times)
- ③ Compared with our conventional coreless generator, We realized less than volume ratio 1/5 and less than production cost 1/3 .

WINPRO concludes a joint development basics contract with CTHM company of the Far Eastern Federal University based on a cooperation agreement on July 5, 2013.

~Particulars~

November	2012	We accompanied with the Russian Far East economy inspection team Far East Federal University and WINPRO are established in a joint development basics agreement .
July	2013	Far East Federal University, WINPRO and local corporation are established of the basic contract between three companies.
April	2014	WINPRO products, LANCE is due to be installed to a Far East Federal University.

WINPRO will carry out joint development in Far East Federal University and CTHM company that fields such as wind power, solar power, a battery, a fuel cell and the bio power. And we will aim at the spread of manufacturing and selling them as a Russian product of reproduction energy of Russia and the highest grade in the future.

Far Eastern Federal University main gate



<http://www.dvfu.ru/en/web/fefu/>