

Comparing Germany and Japan

| Germany | | Japan |
|--------------|---------------------------------|-------------|
| 39,165 kw | Electric generating capacity | 2,700kw |
| about 20,000 | Amount of wind power generation | about 2,250 |



Wind power generation is not thriving in Japan compared with the world!

Construction cost of wind power generation

The cost of constructing wind power generation is about



→ It costs a lot of money!!

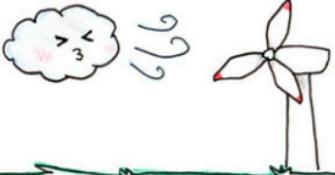
Consideration

Wind power generation is found to be an important renewable energy for Japan in the future.

Task

There are a lot of worse bad points than good points, and it will take a lot of money, technology and time to improve and spread it across Japan.

Wind Power Generation and the Future



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Reference Materials

- <https://ecotacy.com/233.html>
- <http://www.city.tahara.aichi.JP/>

Purpose

We want you to know a lot of information about wind power generation.



Motive

We want to know the reasons why wind power generation doesn't spread in Japan.

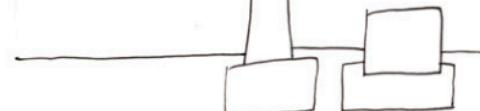
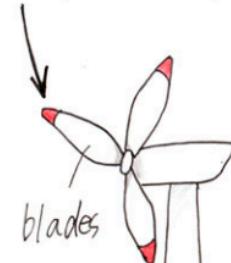


Good Points

- ① It doesn't use cooling water.
- ② We can build a wind mill on the sea.
- ③ It can generate electricity all day.

A mechanism

The tips of blades are painted red to prevent airplane clashes.



Bad Points

- ① In case of earthquake, power generation is stopped.
- ② Birds are caught in the blades.
- ③ If blades are struck by lightning, they break.

Installation conditions

There must be power transmission cables near power generation systems. It is necessary to make roads to carry the windmills.

Yearly wind speed Average:
over 4 meters per second.