

HISTORY OF WIND POWER

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On behalf of The World Association of Technology Teachers

W.A.T.T.



World Association of Technology Teachers

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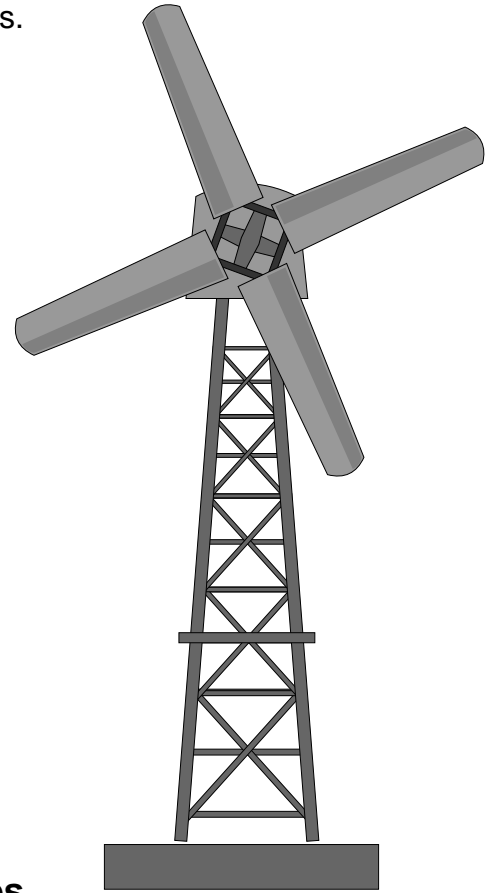
THE HISTORY OF WIND POWER

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1. Complete the paragraph below by adding the missing key words.

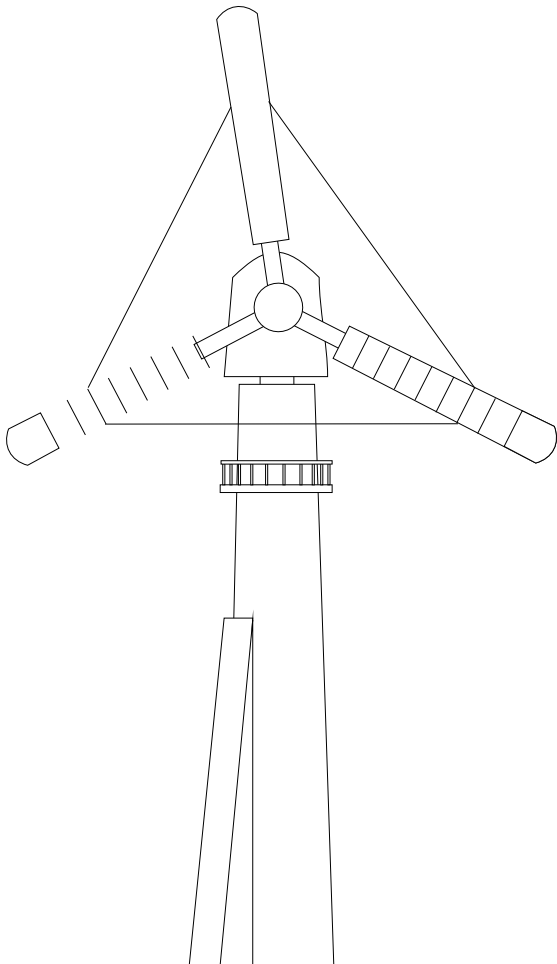
With the development of _____ power, scientists and _____ developed ways of producing electricity through the use of wind _____ (also known as _____). Experiments took place in Russia, USA France Germany and _____. Although these experiments showed that electricity could be produce, it was never in the amounts needed to meet the needs of industry or large numbers of people.

In the 1930s one of the largest experimental machines, called the _____ - _____ machine was first used. This was capable of producing _____ megawatts of electricity. However, the materials available at the time reduced its _____ greatly and made the machine difficult to maintain. It had 50 _____ rotors which were the large compared to other designs.



KEY WORDS

efficiency technologists generators turbines
1.25 Palmer-Putman electrical metre



2. Complete the drawing of the Gedser Wind Turbine (seen opposite). Add the missing parts and add the original colour scheme.

3. In which country was the Gedser Wind Turbine developed?

4. In which year did the Gedser Wind Turbine stop operating?

4. The rotas had a set pitch. What is a 'set pitch'?

5. How was aeroplane technology applied to the Gedser design?
