

Model 3/4/5 – Wind turbine / Wind power

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Topic

We will be investigating wind power with 3 different models and learning about alternative types of energy generation in the context of renewable energy.

Learning objective

- Forms of renewable energy and energy converters. From kinetic energy (wind power) via mechanical energy (generator) to electrical energy.
- Effectiveness and technical challenges when building wind power systems with different designs.
- Calculating potential of wind power.
- Using measuring equipment.
- Advantages and disadvantages of wind energy

Time required

45 minutes.