

## Wind Turbine

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### Abstract

The world economy needs to raise the amount of energy production to afford the economic growth as a result of population growth. All around the world plan to find alternative sources because the non-renewable energy sources will become more expensive and more costly with time. On the other hand, they are looking to find alternative sources that would keep the environment clean.

Wind energy is one of the most important sources of renewable energy. Wind turbine is a mechanism which converts the kinetic energy of the wind into mechanical energy. This mechanical energy could be used to generate electricity, which classifies it as an efficient green system since it uses a renewable free source of energy.

This research is talking about wind turbine and its features. In addition, it is including types, parts of wind turbine, design, theory that use, advantages and disadvantages in addition to some statistics.