



Will renewable energy
become the cause of
a global catastrophe?

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The "inconvenient" truth about renewable energy

According to a number of studies, renewable energy will not be able to develop until the problem of recycling and disposal of batteries is solved.

We are always told about the benefits of renewable energy sources and never about the risks. Meanwhile, abandoning hydrocarbon energy will cost millions of human lives.



Existing Problems

The cost of recycling a lithium battery is up to \$ 40 per kilogram. Lithium may not be enough. Already, 53% of the world's lithium production is spent on the production of batteries.



Existing Problems

The price of lithium itself is now twice as high as a year ago.

When melting one ton of steel, they make blades for wind turbines, two tons of carbon dioxide are released. The same amount is allocated by a passenger car that will travel from Moscow to Vladivostok and back.

As we can see, at most stages of production and use, for example, windmills, we encounter difficulties.



Lithium

Lithium, one of the most important metals for renewable energy, is mined in more than half of the cases in areas where the population already has problems with water supply.



Cobalt

More than 60% of the world's cobalt production is accounted for by the Democratic Republic of the Congo.



Climat change

Scientists are also concerned about the impact of renewable energy sources on the climate, they can change the wind rose and air temperature.



Service life

The average service life of the windmill blades is about 10 years. Nobody knew what to do after that. They were simply removed and stored in the fields.



Transmission

Experts say that it is necessary to use wind turbines and solar panels where it is really profitable



Price

Abandoning traditional energy sources will cost the world \$40 trillion

Comparison



Nuclear power

Ecology



Price



Benefits for the global elite



Renewable energy

Ecology



Price



Benefits for the global elite



Fossil fuels

Ecology



Price



Benefits for the global elite





What we can do?

- Atomic energy
- Hydroelectrics
- Development of batteries
- Development of a closed SNF cycle
- Phasing out fossil fuels (20-30 y.)

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