

Renewable Energy Sources and Their Importance for the Future

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Abstract: Renewable energy sources are developing more and more in the world. This is because the depletion of fossil fuels is already looming, and pollution from burning gas, oil and coal is pushing forward the dire consequences of climate change. The profitability of renewable sources is improving every day, and energy efficiency technology makes betting on alternative energy even more attractive.

Key words: Oil, gas, renewable energy, HPP, wind power plant, extraction of fuels.



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INTRODUCTION

The world needs more renewable energy sources

Clean energy is more and more necessary and useful. A world and economy based on renewable energy is the key to gaining a foothold and competitiveness in energy markets. Investing in renewable energy, although expensive initially, will help us win the fight against climate change over the years. Remember that renewable energy sources do not emit greenhouse gases, compared to fossil fuels such as oil and coal, or at least very little. There are many European cities that have made great strides in the world of renewable energy and have succeeded in reducing their greenhouse gas emissions. Although European legislation may not be as demanding, there are large and medium-sized cities that are two steps ahead of the law. In other words, they have been able to advance technologically in terms of renewable energy and emissions much more than the law requires.

A change in the European energy model Changing energy patterns is complicated. Until now, it has worked "comfortably" with fuel. However, our planet requires the management of a new energy model based on energy that does not emit greenhouse gases in order to prevent global warming. The role of cities and large companies committed to clean energy is critical in driving the transition to a new decarbonized energy model. Although the planet's need for an energy transition is urgent, the Government seems not to be listening. PP does not bet on renewable energy, but instead continues with the world of fossil fuels. Cities such as Barcelona, Pamplona or Córdoba are in the process of creating urban energy marketing companies, despite the ceiling that discourages self-consumption and complicates the task of local promotion.

Different types of renewable energy sources



Keep in mind that there are many sources of renewable energy. By far, solar and wind power are generally the most efficient. Geothermal energy depends entirely on the location of the tectonic plate on which it is located. Its main use is water heating for residential buildings and hospitals.

On the other hand, we find hydraulic energy. Hydraulic energy is controlled by the waterfall of reservoirs. Due to the drought in Spain, the amount of hydropower produced has decreased. With the last rains since last February, the reservoirs are restoring their water levels and hydraulic capacity is increasing again.

As for solar thermal energy, the same thing happens with geothermal energy. In Spain, thermosolar plants are very limited due to PP government cuts.

Investments in renewable energy

More and more people are considering investing in renewable energy. In most cases, this decision cannot be implemented without some type of financing, as it has high economic costs.

Even if you only want to install a few solar panels to save on electricity, investing in renewable energy is not cheap.

Usually, the money invested pays off in the long run.

The only positive thing about renewable energy is that the price of photovoltaic panels has been reduced this year, since a few years ago they were almost impossible to access.

On the other hand, as a result of the development of technology, photovoltaic panels with high energy efficiency have been produced in order to obtain more energy and shorten the amortization period of the investment.

Investments in renewable energy are increasing due to the energy policy implemented by the Government. There are several types of renewable energy financing. It depends on whether the energy use is for an individual or a commercial investment. As you can see, the amount of solar panels needed for a self-sufficient home is not the same as the company that installs the solar park.

Finance for investing in renewable energy sources



If we ask for a loan for the initial investment, we must take into account that it will have interest and commissions when it comes to paying it back. To avoid this, we can get personal loans through financial companies between people. These organizations operate in a similar way to banks, but they are not. A few years ago, renewable energy sources were booming in Spain thanks to subsidies given by the previous government. However, with the advent of PP, all these aids disappeared. What led this group to condemn the current administration in court for not complying with the agreed rules of grants and subsidies. Investing in renewable energy may be expensive at first, but in the long run you will be guaranteed a return on investment and profitability.

Finally, here are the main reasons why you should bet on renewable energy: This is an active way to cooperate in reducing pollution and fighting climate change on the planet. Provides access to services such as gas, electricity, water, fuel, etc., which are not available traditionally, to individuals or residents located far from urban centers or isolated. Most of the products have an acceptable price. Only some products have a high price, but there are other advantages, for example, they are durable and more efficient, they do not pollute, maintenance costs are low, etc. Thus, the costs are amortized in a short period of time. Buying green products supports this growing market and supports the creation of new jobs in the renewable energy sector. Green technologies allow to save natural resources, produce less greenhouse gases and waste, so the environment is taken care of. It is a way of producing and developing human activities without harming the planet and thereby not deepening existing environmental problems. Environmental or green technologies in general are simple and easy to use for different needs of users. It can be seen that renewable energy sources are becoming more and more abundant, and the step to switch to energy is closer and closer.



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