

WILL RENEWABLE ENERGY BE THE FUTURE OUR OUR PLANET?

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Green energy is the energy that powers the people of the United States from a variety of sources. However, some energy sources are more environmentally friendly than others. The term green energy is used to describe the energy resources that offer the greatest environmental benefits.

People often get confused between what is the difference between renewable and green energy. In reality, renewable energy is just a form of green energy coming from solar, biological, and geophysical sources. Most common resources used for renewable energy are solar energy, hydropower, geothermal, tides and waves. What does not fall under renewable energy are fossil fuels such as coal, oil and natural gas.

In general most of the industrialized countries do not use renewable energy as a main power source of energy, although renewable energy was only considered as an alternative source, instead relying on non- renewable energy such as fossil fuels and/or nuclear power as the main sources. Only after the energy crisis that happened in the United States in 1970, they tracked down hazards linked with nuclear power and decreased fossil fuels supplies, finally the utilization of renewable energy has increased since (Alburi, 2015).

Mauro Scotti who is a regional manager in South East Asia, Far East and Oceania, for the SAIPEM (Societa Anonima Italiana Perforazione e Montaggi) XSIGHT division consultancy office sees green energy as a target. In order to be able to achieve such a target there's a need for a pass for an energy transition and this period would be the right time to be part of the transition. A solution he is trying to find is usually by mixing different ideas from other engineers to allow the transition not to affect the cost of the energy. According to Scotti, The real problem is that at the moment the energy transition is the hidden part of the iceberg. To allow the transition we have to find a way to maintain the cost of the energy at the current level. To reach this objective, we need a more advanced solution to reduce the cost of the green energy without affecting the pocket of the consumer. Government and institutions can help to sustain the transition but a significant part should be done by users. To keep the final cost of the energy you should: optimize the cost of the energy (incentive can help) and reduce the use and the waste of the energy. During the transition everybody must behave at their best.

Due to the increase of population and the increment of energy demand, Scotti believes that renewable energy will be enough to sustain the planet's demand in the future, but green energy can reduce our carbon footprint enough to save the planet.

There are other ways for us humans to be able to use more energy in the future to produce power, without contributing to the increase of Carbon Footprint. In order for this to be successful, we need to be open minded without excluding any opportunities. Some opportunities could potentially come from hydrogen, nuclear, solar, waste, and so on, with our generation of knowledge, we should be able to put these sources to produce energy safely. This new generation could learn from past mistakes and be extra motivated to find a solution to save the planet.

Now, Scotti's question is "Will we be able to remove our personal avidity and focus on to save our planet?"

The European Commission has presented a strategic vision in order to reduce greenhouse gas back in November, 2018. With this strategy, Europe could go on the path to having climate neutrality, a net zero economy greenhouse gasses (European Commission, 2019).

Matteo Mauri who is also an engineering manager at SAIPEM believes that green energy is the future, it is the only transition in order for the oil and emission of co2 consumptions to be reduced. By looking at the increased usage of fossil fuels used by big industries, this will create a negative impact on our planet and will permanently damage it through global warming, pollution, risking public health and more.

Continuing on the negative impact fossil fuels energy has had on the environment, an intern from Enerbrain company named Diego Rigboldi shared some interesting points. To summarize what Diego Rigboldi has mentioned, his points were, by being able to make our planet "green" would be an exceptional achievement, it would mean preserving our planet, nature, climate and all those who live on it. We are already experiencing the negative effects that excessive pollution is causing to the Earth. It is clear to everyone how the climate is changing, how the oceans are rising and natural phenomena are intensifying. "Green energy is perhaps one of the few opportunities we have to help our planet and must necessarily be a pillar of the earth of the future." (Rigboldi, 2021).

In 2021, the biofuel market is likely to recover and approach 2019 production levels as transportation activities slowly resume and biofuel blending rates increase. Biofuels are mainly used in road traffic, mixed with gasoline and diesel fuels, so they are less affected by the current aviation economic recession (IEA, 2021).

To sum up the importance of green energy to the planet, and how it would be one of the only resolutions for our future. Energy is an important factor in the development of the country's economy and for the most part this energy is obtained from non-renewable sources. For the conversion of conventional energy to green energy, it is necessary to implement some strategies and policies and create the right framework conditions to reduce existing restrictions and barriers to renewable energy technologies. It is necessary to create the conditions for greater investment in the transition to a green economy. Not only will the pursuit of clean energy have less of an impact on the environment, it also has the potential to create new green industries and millions of jobs.

Green energy is the future for our planet, and the only way to keep a healthy and breathable environment. So let's all conserve to preserve green.

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