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IF I COULD INVENT SOMETHING NEW

There are numerous inventors in the world, people who created things to solve big problems, a very good example is Elon Musk, but they haven't solved the world's biggest problem of global warming.

In a National Geographic newsletter dated January 22, 2019, Christina Nunez reported that glaciers are melting, sea levels are increasing, cloud forests are perishing, and wildlife is struggling to adapt. The release of heat-trapping gases by humans has been identified as the primary cause of the warming experienced in the past century as we use these gases to power our modern lives. These gases, known as greenhouse gases, have seen their levels rise significantly than at any time in the last 800,000 years".

Global warming is the long-term warming of the planet's overall temperature due to the burning of fossil fuels such as coals, oils and natural gas. Carbon dioxide is one of the gases produced by burning fossil fuels. Excessive carbon dioxide (CO₂) in the environment leads to Global warming, this is a serious problem in the world. Like Elon Musk once said "We're running the most dangerous experiment in history right now, which is to see how much carbon dioxide the atmosphere can handle before there is an environmental catastrophe".

I will like to invent something that will reduce the amount of carbon dioxide in the environment, something like a Space-based Solar Power. Space-based solar power deals with capturing solar energy in space and transmitting it wirelessly to Earth for use as electrical power. This type of solar power will serve as a constant source of renewable energy.

The idea of a space based solar power is to provide true energy independence for the nations that develop it, Space based solar power will help to reduce dependency on crude oil.

With a space-based solar power providing the earth with renewable energy, we do not need to burn fossils fuel as to generate power, the space-based solar power could be used to charge electric vehicles, generate electricity for homes, schools and the industries.

Unlike terrestrial solar and wind power plants, space based solar power is available 24 hours a day, 7 days a week, in huge quantities. It operates effectively regardless of cloud cover, daylight, or wind speed.

Space based solar power is a concept that is still under active research, countries like China, Japan, India, Russia, UK and USA have come up with various proposals and prototypes that are being explored by space agencies, private companies, and research institutions around the world.

Space based solar power is a future sustainable energy solution that will address the problem of global warming. With space-based solar power not only Nigeria but the whole world could be better.

References

<https://www.nationalgeographic.com/environment/article/global-warming-overview/ww.energy.gov/articles/space-based-solar-power>

<https://space.nss.org/wp-content/uploads/NSS-Position-Paper-Space-Solar-Power-2019.pdf/>

<https://nss.org/home-NationalSpaceSociety>

<https://pvcase.com/-PVcase>

<en.m.wikipedia.org>