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### Is green energy going to replace the petroleum industry?

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Oil/gas are an old source of energy that have been used since its discovery, where the whole planet relies on. However, due to the environmental reasons and the development of the technology that people have recently discovered, they came to new inventions to produce new energy other than oil and gas, which called now the green energy or renewable energy. Green Energy is a source of energy that comes from natural sources such as sunlight or wind, apart from the wind mill there is another source of energy called the solar panel, it converts the sunlight to electricity usually it comprises the smaller units called photovoltaic cells to electricity. Scientists nowadays are trying to switch to green energy to reduce the hydrocarbon emissions that is produced from the natural gas, but they must consider a lot of transportations methods that still need oil in everyday life such as cars, airplane fuel or even gas central heating in winter. Some of the electric cars were used by people but to charge an electric car it need at least 30 min for the smallest battery where a atypical electric car it takes 4 hours to charge compared to the oil fuel where the car can move as soon as the tank is full in less than 5 min. The question is: Is green energy a threat to petroleum industry? No, green energy is still a new source of energy and it is under research, although the green energy is environmentally friendly, but it is not 100% relabel due to climate change, and still very expensive compared to oil and it is 100% reliable, as well as oil prices are very cheap where the bbl of oil reached its maximum price 2008 and was around \$150 per bbl in 2008. Green energy is not 100% reliable for example wind mill or turbines stop spinning if the wind is not blowing fast enough or because of technical issues that cannot perform as it should be or due to a routine inspection or repairs, where there for the alternative is oil and gas which is 100% reliable source if the wind mill did stop completely. The solar system itself is very expensive it costs around £6000 just to install it. Oil and gas and its shipping worldwide to provide energy is actually a vital for our survival, companies may look at other resources such as solar or wind but for the meantime oil and gas is more economical efficient and quick. Industry is changing BP aims to invest more in renewables and clean energy but the world is going to need oil and gas for decades, hydrocarbons would remain the core of BP's business, the company said it would start six new oil and gas projects this year. (BP website access it on 26-10-2018).

### Biography

Meys Wasan Ibrahim has completed her Bachelor's Degree as a Petroleum Engineer from London South Bank University/United Kingdom. She is a member of the SPE society. During her study she had a geology trip to write a report about the types of the rocks and its differences. She has visited the (SGR) Schlumberger Gould Research Centre in Cambridge/UK which is a research Centre focuses on drilling, chemistry, fluid mechanics, and seismic, through a combination of theory and experiment and computational simulation. She believes that petroleum industry lack of woman, therefore, her future plan is to be an oil and gas consultant.

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