**IF I WERE TO INVENT SOMETHING NEW**

If I were to invent something new, would invent something that will help not only me but the world at large. If I were to invent something new, I would create a machine that pulls out water from air for those countries that do not have water.

In the world, there are 17 countries listed on the category of suffering from extremely high baseline water stress. Some of them are; Quatar, Isreal, Lebanon, Iron, Jordan, Kuwalt, Saud Arabia, India, Arab, Pakistan etc. Twelve of the aforementioned Countries are located in the Middle East and North Africa due to their desert climate and their growing water demand increasing the supply of water by developing technologies such as desalination and responsibly using water are all essential to putting an end to water Scarcity.

I will make an **atmospheric** **water** **generator** that extracts water from the air, producing potable water. My invention will be useful where potable water is difficult to obtain, because water is always present in the air. My invention will require significant energy inputs or operate passively rely on natural temperature differences. Biomimicry studies have shown the onymacris uniguiculans beetle has the ability to perform this task. Through the use of my invention water vapour in air can be extracted either by condensation, cooling the air to its dew point, exposing the air to desiccants, using membranes that only pass water vapour etc.

My invention will have a hydropanel, a hydropanel is like a solar panel, but instead of creating energy, it creates clean, safe and potable drinking water without electric hookups nearly anywhere. Here's how it works: The sun powers fans out vapour of the air. Once the air reaches its dew point water condenses into the collector. My invention range from home - based units that can produce 1 to 20 Litres of water per day to commercial scale units capable of 1,000 to over 9,000 Litres per day. My invention can manage to capture moisture from the air filter out any dirt and extracts water from the air's humidity.

My invention is a cost-effective and efficient way of producing clean drinking water compared to other sources of water such as desalination, my invention is relatively cheaper and requires less maintenance. My invention also mineralizes water on the way out of the machine for improvements in nutritional value and taste know, anything that has advantages has also disadvantages there may be significant maintenance cost associated with owning my invention due to the complexity of their components and the needs for regular filter changes. furtherrmore, since these machines pull moisture out of humid air and their efficiency can vary greatly depending on local weather conditions.

In conclusion, I would always like to invent something that helps not only me but the world at large. A device that will stop or put to an end to some problems of the world.

By

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