

IF I COULD INVENT SOMETHING NEW

The World's oceans and other water bodies are now facing a major crisis that has never been experienced. Some problems faced by water bodies today include plastic pollution, industrial wastes and other human activities that have contaminated our Planet's water thereby putting marine life and human health at risk.

If I could invent a device or technology that can purify water bodies, I will start by using it in my own country Nigeria because a lot of us are prone to water borne diseases and other health risks. Imagine a device that can purify ocean water, by removing pollutants and toxins. It will be challenging to roll out such technology or enhance the existing ones yet such invention is important for Nigeria and the Planet as a whole.

There are existing technologies for water purification such as reverse osmosis and nano filtration. What I will invent is an enhanced technology of reverse osmosis which has proven effective in cleaning water and making it safe for consumption.

Reverse osmosis is a water purification process that uses a semi-permeable membrane to remove contamination and impurities from water. This technology works by applying pressure, forcing the water through a membrane with tiny holes that allow water molecules to pass through but block larger particles.

This sounds good but a major problem with this process is that it removes essential minerals like potassium thereby causing the water to be acidic. To enhance this technology, I will do it in a way that the process of reverse osmosis does not totally degrade the water. This will be through the development of materials with improved permeability and durability. It will also have a low energy consumption rate.

However, several challenges come with such technology. The size of these water bodies is large and will require a huge device that can effectively and efficiently process large volumes of water without affecting marine life. In addition, this device must be durable enough to withstand harmful conditions like extreme temperatures, water pressure and high salt levels. It will also cost a lot of money.

Despite these challenges, the benefits of purifying these water bodies are enormous. It can help restore marine life and biodiversity, improve human health and curb water scarcity. Ultimately, this invention will provide a reliable and healthy source of water for human consumption. It will also remove harmful contaminants, bacteria and other parasites thereby reducing water-borne diseases and other water related health risks. Water will taste better and not smell of pollutants.

In conclusion, inventing a water purification device for oceans and other water bodies is a complex task but is achievable. By combining existing technologies and using necessary innovations, I can make a significant impact on health and human well-being.