

## Carbon sink absorbs carbon dioxide to produce clean energy



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Spotted: Researchers, lead by [Changmin Kim](#) at [Ulsan National Institute of Science and Technology](#) (UNIST), and from [Georgia Tech](#) have developed a new way of cleaning the atmosphere. The system works largely like a huge liquid battery. It absorbs carbon dioxide to produce electricity and useable hydrogen fuel. Using electrodes to extract the carbon dioxide, it results in 50 percent carbon dioxide conversion efficiency. The Hybrid System can reportedly run for more than 1,000 hours, removing 150 tons of carbon dioxide from the environment each year. The team originally published their [research](#) in November 2018.

Takeaway: This system could simultaneously reduce our carbon emissions by using clean energy, whilst also actively cleaning up the existing damage to our atmosphere. Despite removing just 150 tons of carbon dioxide, a small amount in comparison to the 40 billion tons produced every year, it indicates positive change for environmental protection. The production of hydrogen fuel also helps in the development of clean energy processes, and could inspire more innovations.

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