



Planet Savers, Inc

Company Description

Our Thoughts

Although the need to achieve virtually zero CO₂ emissions by 2050 is being called for, people's behavioral change has not kept pace, and CO₂ emissions will continue. It is assumed that we will face a climate crisis in which climate disasters such as tornadoes, heat waves, and floods will occur in a domino-style pattern.

As a trump card to avoid such a situation, Direct Air Capture (DAC), which captures CO₂ directly from the atmosphere, is attracting attention as a CO₂ negative emission technology (= a technology that results in negative net CO₂ emissions through the process), and technology development is underway worldwide. However, the atmospheric CO

However, the technology is still in its infancy due to the extremely low concentration of CO₂ in the atmosphere (0.04%), the limited amount recovered, and a recovery cost of nearly \$1,000/t-CO₂, so innovation is needed. In addition, recycling DAC-derived CO₂ in the production of synthetic fuels to replace fossil fuels can contribute to the realization of zero emissions.

We at Planet Savers are developing a DAC device that captures CO₂ from the atmosphere using an innovative adsorbent based on zeolite, an inorganic porous material, in order to realize DAC at a practically feasible cost level and save the world from climate change, thereby contributing to achieving virtually zero CO₂ emissions.

In 2050, 1 gigaton of CO₂ will be captured by our device, protecting the beautiful earth for another 100 years.

Company Details

Head Office

Japan

Main Business

ゼロライトを用いた大気中のCO₂回収(DAC)装置の開発・販売

President

池上 京

Established

2023年7月

Capital

1億円

URL

<https://planetsavers.earth/>

Offices

Main Office

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