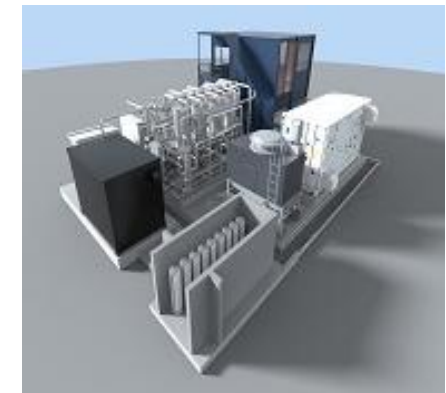
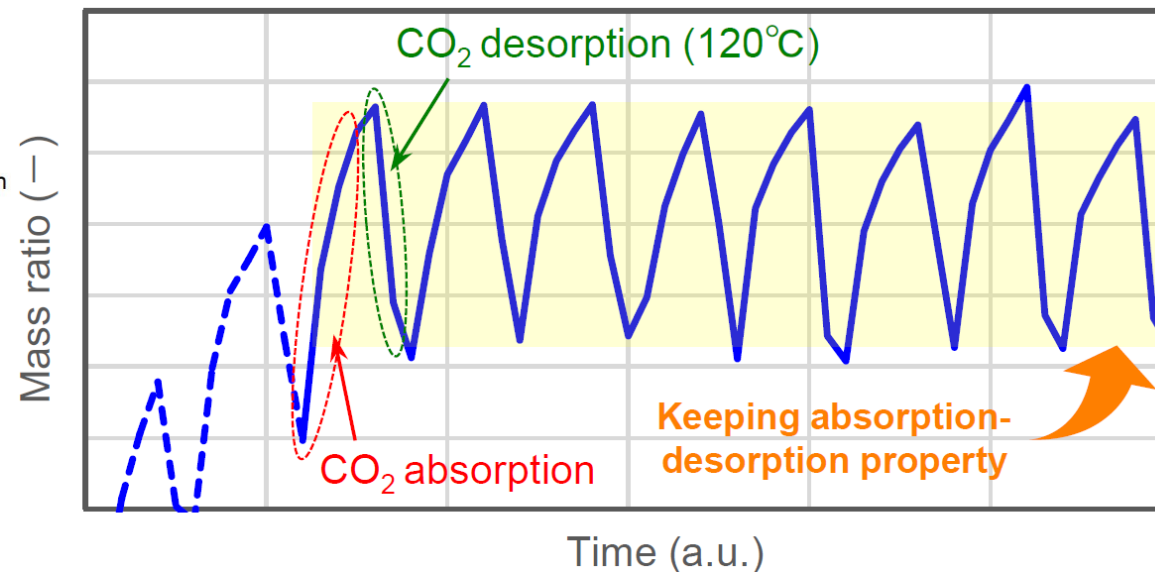


CO₂ Solid Sorbent



Exhibited in EXPO 2025, OSAKA

Sodium Ferrite

Conventional (Amine)

Target CO₂ conc.

Low (DAC) to High

~10%

Recovery cost & energy

Low (only TSA)

High

Adsorption temp.

0 - 50 °C

RT - 50 °C

Degradation

Low (theoretically zero)

High

Reusability

High

Low

Recovered CO₂ conc.

More than 99.9%

More than 99.9%

Life cycle safety

High

Middle

Sorbent price

Low

Middle

Others

- Clinker inhibitor in biomass power plant
- Zero CO₂ emission pavement

- Anti-oxidant for bio-diesel & SAF
- Compatibilizer for recycling mixed resins