



# Direct Air **Capture** Technology

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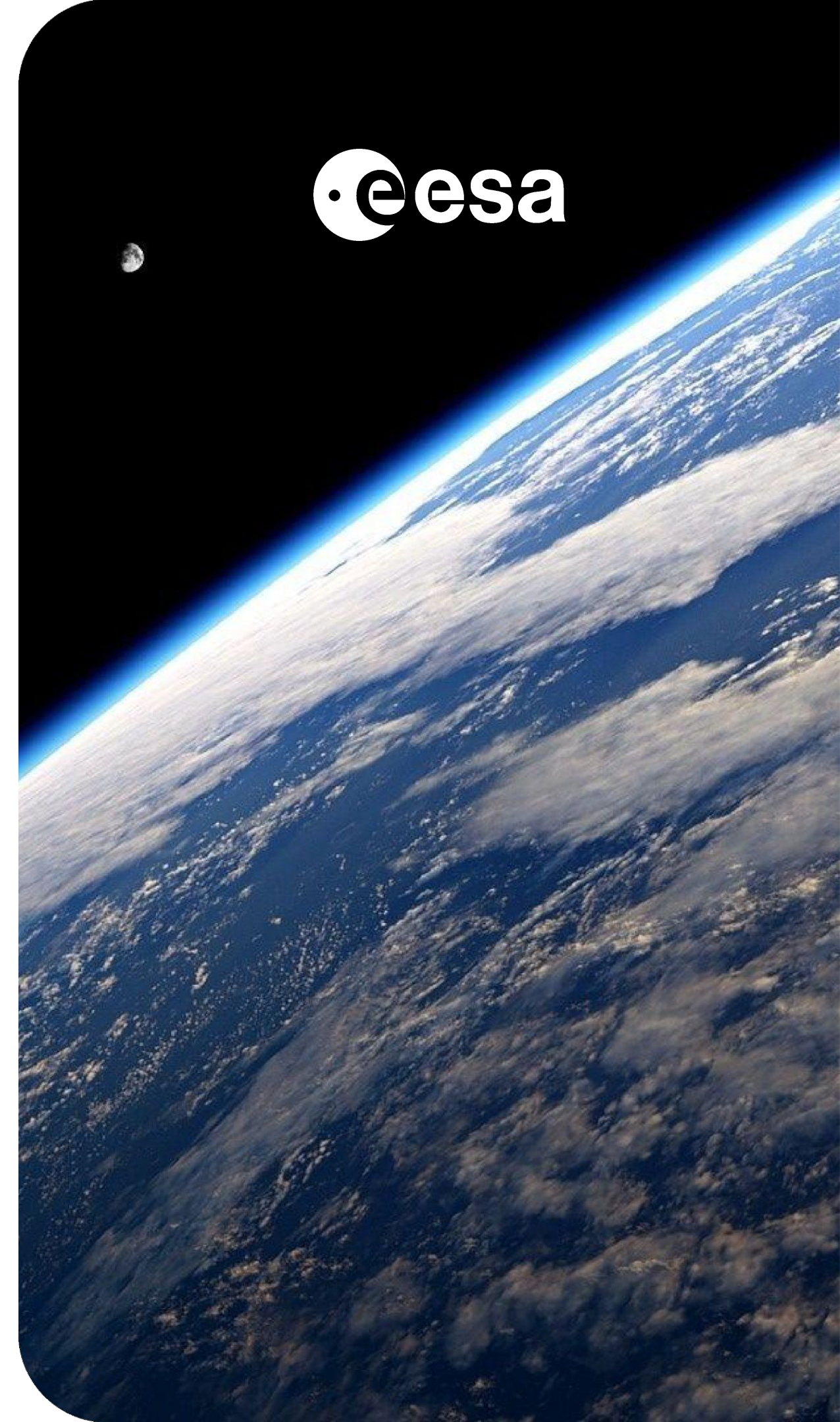


# From cosmos to carbon

Skytree is deploying out-of-the-box Direct Air Capture (DAC) technology that takes CO<sub>2</sub> out of the ambient air in a cost- and energy-efficient manner

The technology has its roots in the European Space Agency (ESA) where it was developed to flush out CO<sub>2</sub> from space stations, ensuring breathable air for astronauts. 10 years of R&D development has perfected the technology since then, and pivoted it towards CO<sub>2</sub> utilization and storage markets, a long-term addressable market opportunity worth \$3tn

Skytree has entered the market as a technology provider and designed its product to be site-independent and scalable for any demand level



# Cutting edge DAC Technology

Ambient Air

Energy

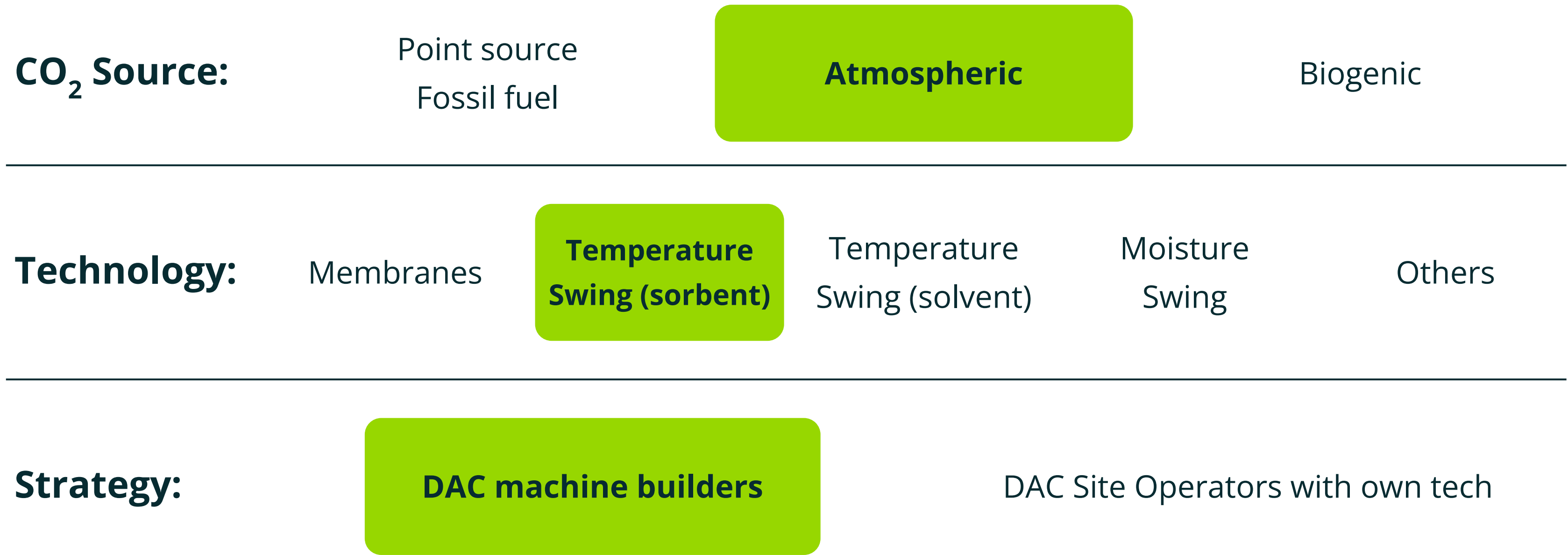


CO<sub>2</sub> | Utilization

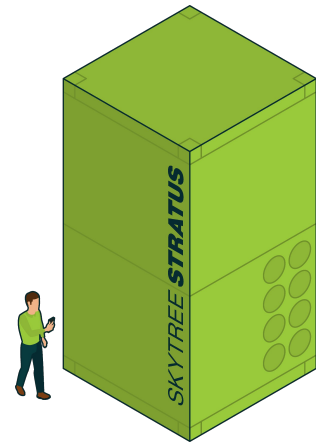
CO<sub>2</sub> | Storage



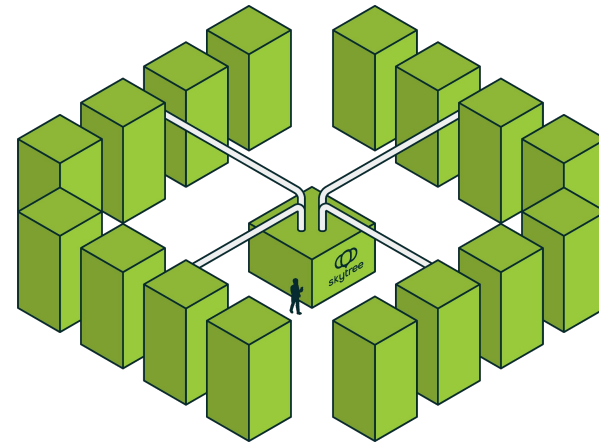
# The DAC landscape



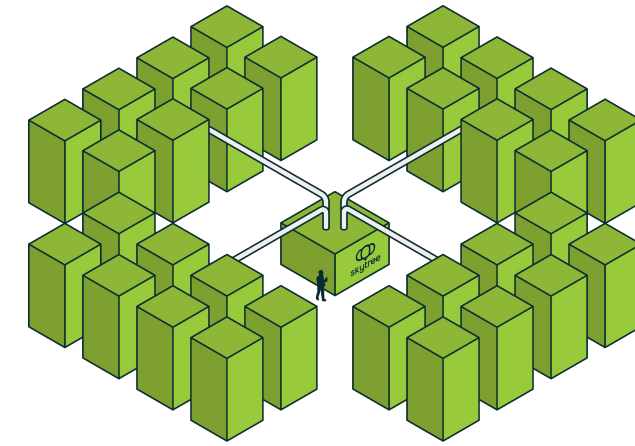
# DAC Scaling



**Skytree Stratus**



**DAC Hub**



**DAC Hub scaling**

- Modular working: transportability, stackability and scalability.
- Field upgradability
- IoT connected

# CO<sub>2</sub> utilization

Short Term

## Controlled Environment Agriculture (CEA)

CO<sub>2</sub> is critical to improve yield  
CEA needs to transition from on-site fossil fuel generated CO<sub>2</sub> to sustainable CO<sub>2</sub> generation



Medium Term

## Efuels

Sustainable CO<sub>2</sub> is crucial for eFuels production  
eSAF plays a vital role in decarbonizing air travel  
Regulatory pressures create a market for eFuels



# CO<sub>2</sub> removal

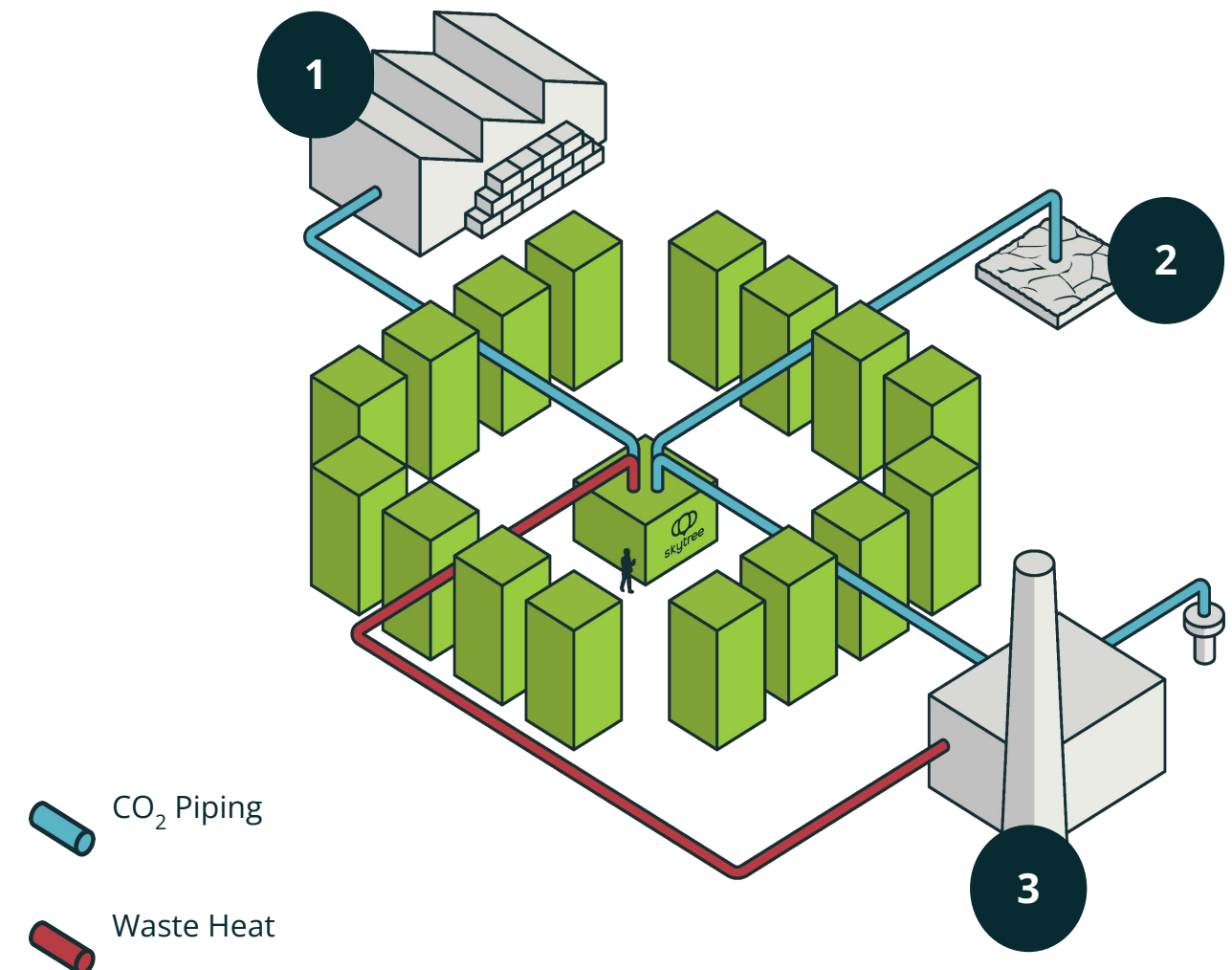
## 1. Ex-situ mineralization

production of building materials with a negative carbon footprint

## 2. In-situ mineralization

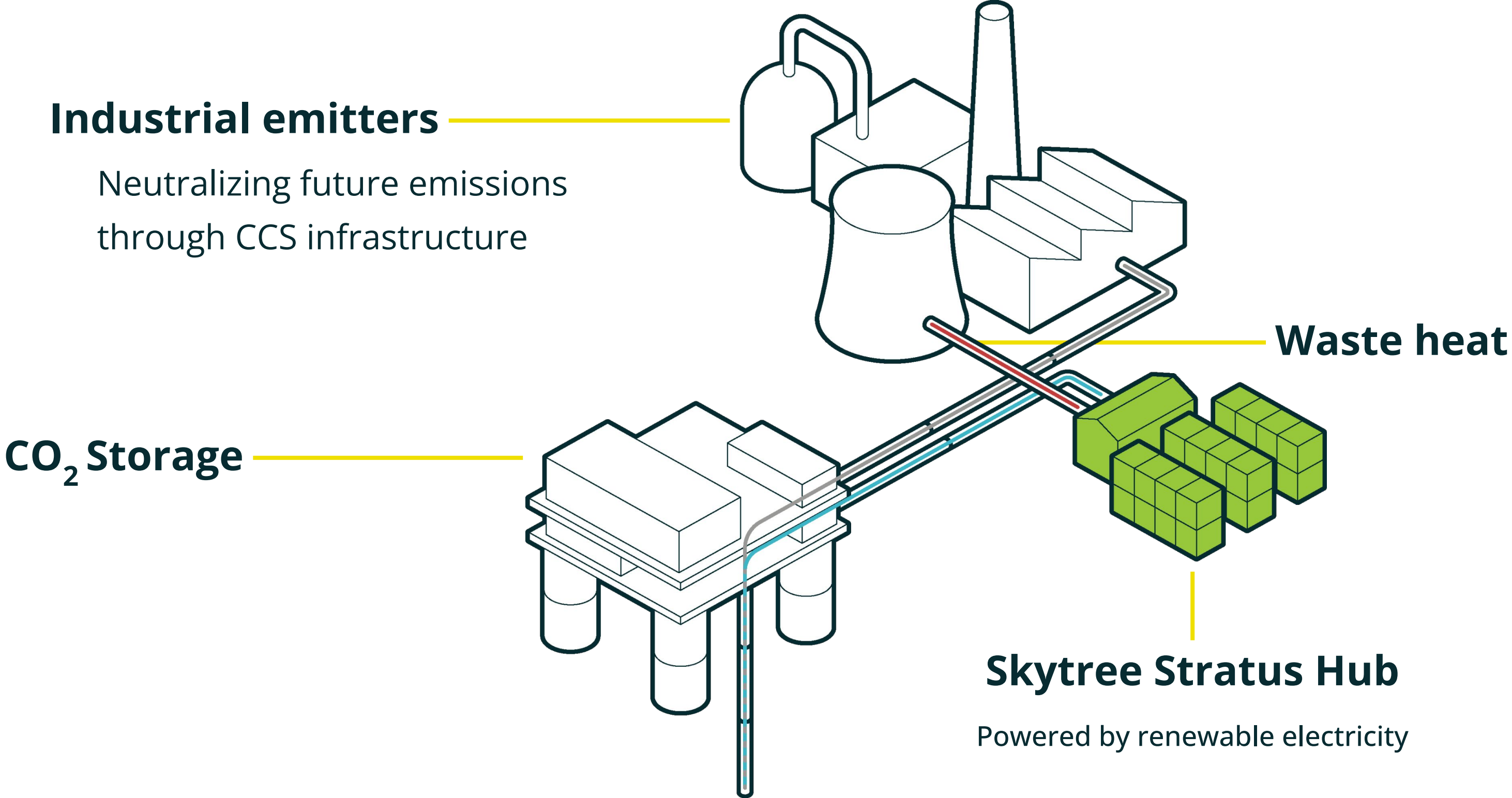
CO<sub>2</sub> sequestration in geological formations (CDR)

## 3. Connecting with CCS infra





# Carbon Capture and Sequestration + DAC





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