

# DEPLOYING DAC AT SCALE

GCCSI JAPAN CCS FORUM

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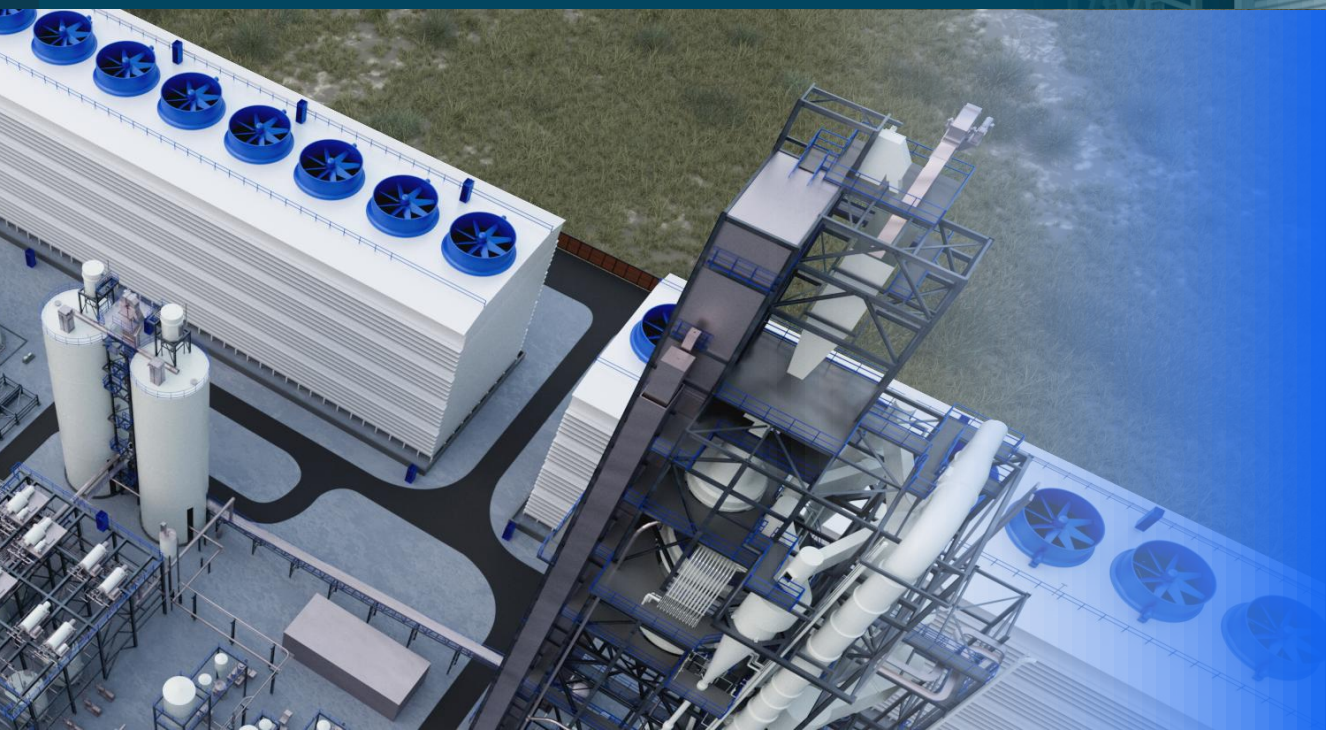
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**Developing large-scale Direct  
Air Capture technology since  
2009.**



ZERO IN™



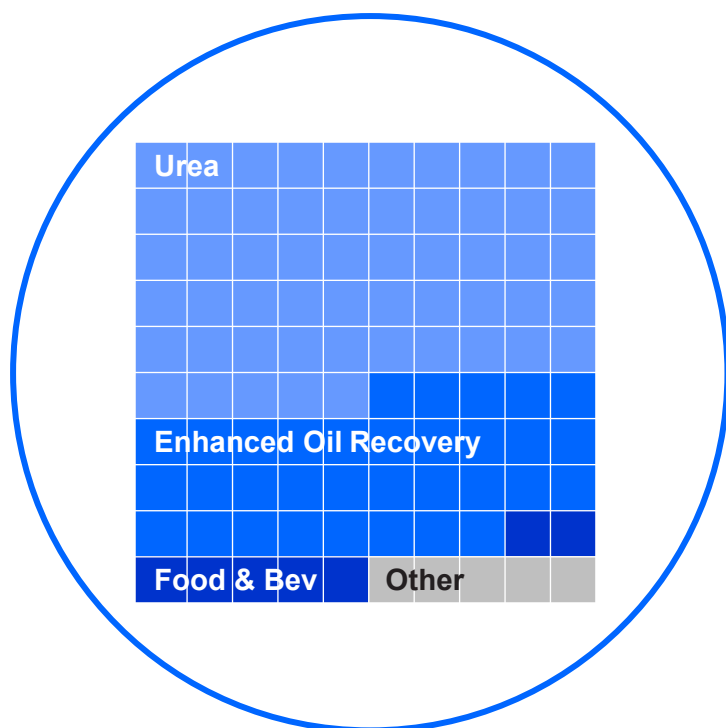
**Deploying Direct Air Capture  
at scale.**

**Direct Air Capture (DAC) is a method to capture CO<sub>2</sub> directly from the atmosphere**



# ATMOSPHERIC CARBON DIOXIDE FROM DIRECT AIR CAPTURE CAN...

REPLACE INDUSTRIAL  
CO<sub>2</sub> IN EXISTING USES



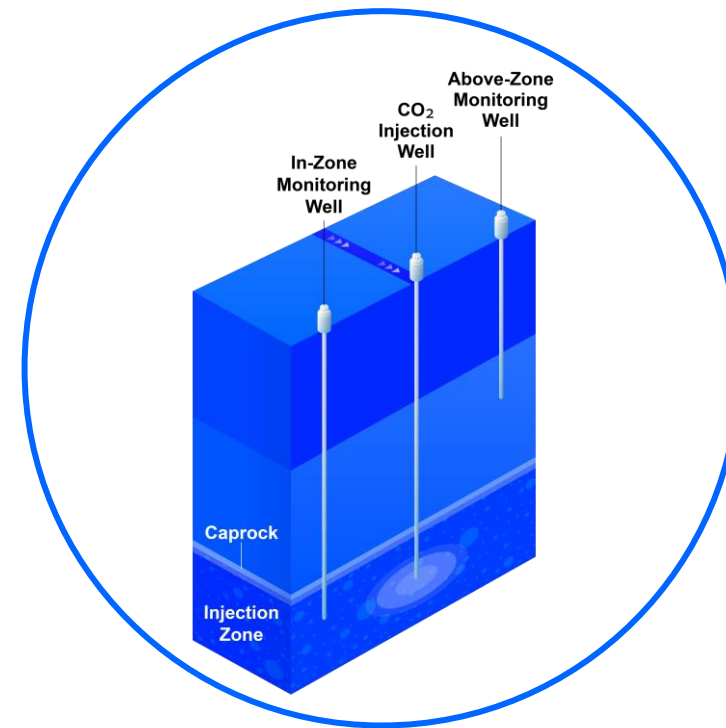
Proportional Global Demand for CO<sub>2</sub> in 2015  
(Total = 230Mt)  
Data Source: IEA. Putting CO<sub>2</sub> to use. (2019)

ENABLE NEW  
APPLICATIONS



E-SAF produced from atmospheric CO<sub>2</sub>  
(Credit: Carbon Engineering)

BE SEQUESTERED IN  
GEOLOGIC FORMATIONS



Illustrative example of a CO<sub>2</sub> geologic  
storage well (not to scale).  
(Credit: 1PointFive.com)





IATA calls for 500Mt+ of carbon removals by 2050 to complement other solutions.



All LTAG scenarios forecast residual emissions, ranging from ~200-950Mt CO<sub>2</sub>

**AVIATION  
INDUSTRY  
IS ALIGNED:  
CDRS ARE  
NEEDED TO  
ACHIEVE  
TRUE NET  
ZERO.**

An aerial, high-angle shot of solar panels in a desert environment. The panels are dark with visible white grid lines. The surrounding landscape is filled with low-lying desert vegetation, including green shrubs and patches of yellowish-brown grass. The image has a significant motion blur effect, particularly in the background, which creates a sense of dynamic movement. The text 'STRATOS, USA' is overlaid in the bottom left corner.

**STRATOS, USA**





STRATOS construction progress as of May 2025 in Ector County, TX

## OUR PARTNERS

At 1PointFive, we believe solving climate change will be a joint effort. We aim to partner with organizations that share our vision—working with companies across a variety of industries to help them hit their climate targets.





# THANK YOU

