

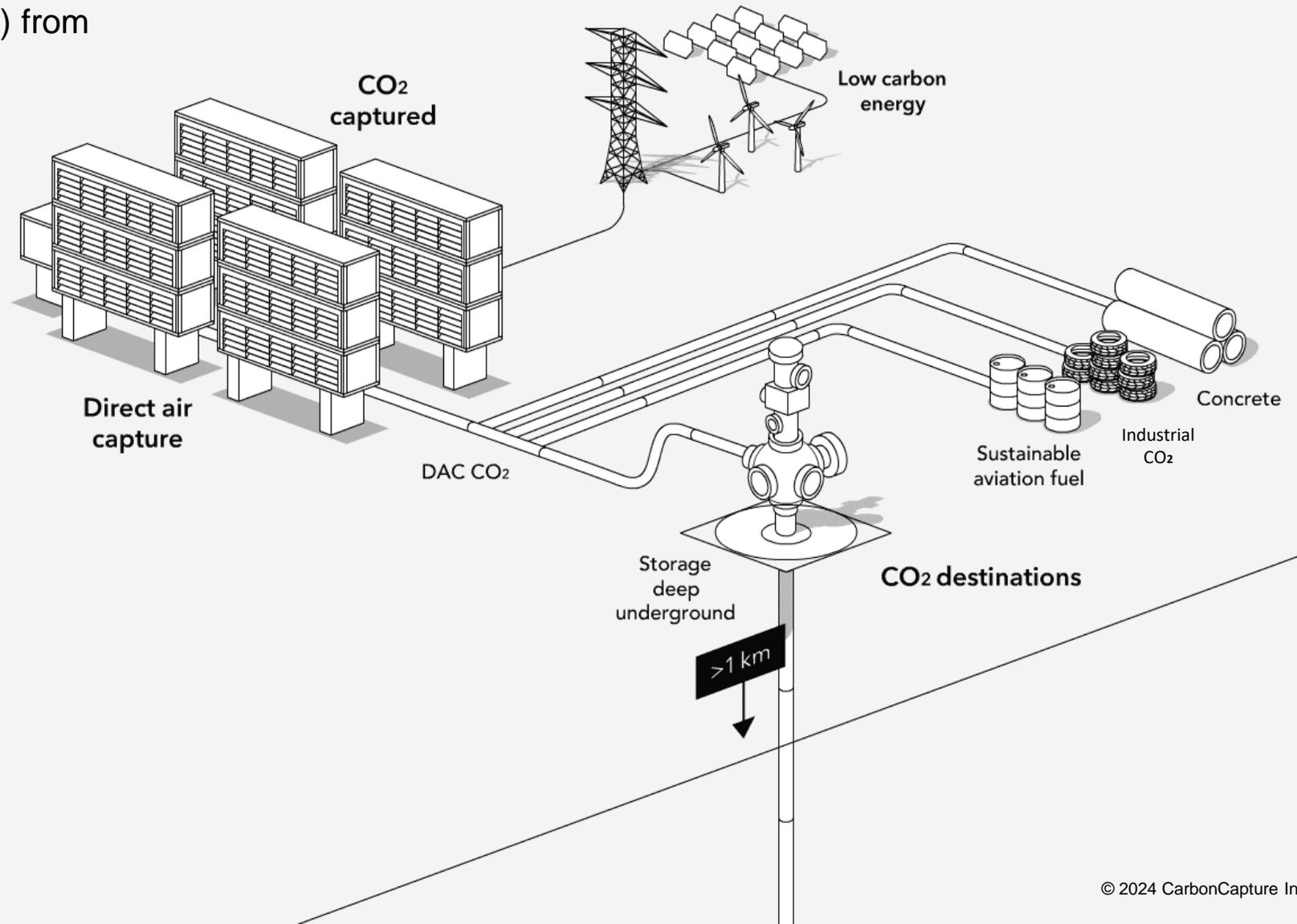
Company Overview

January 2025



What is DAC?

Direct air capture (DAC) is the process of removing carbon dioxide (CO₂) from the atmosphere.



Who we are

We develop and deploy modular DAC machines designed for mass production.

- Based in Los Angeles, team of 65 and growing
- Strategic investors include Aramco Ventures, Amazon, and Siemens, \$90M+ raised to date
- Presold >\$27M in removal credits
- Selected for four DAC Hub awards by United States Department of Energy
- Uniquely focused on scaling DAC through advanced sorbent development and strategic module design/manufacturing



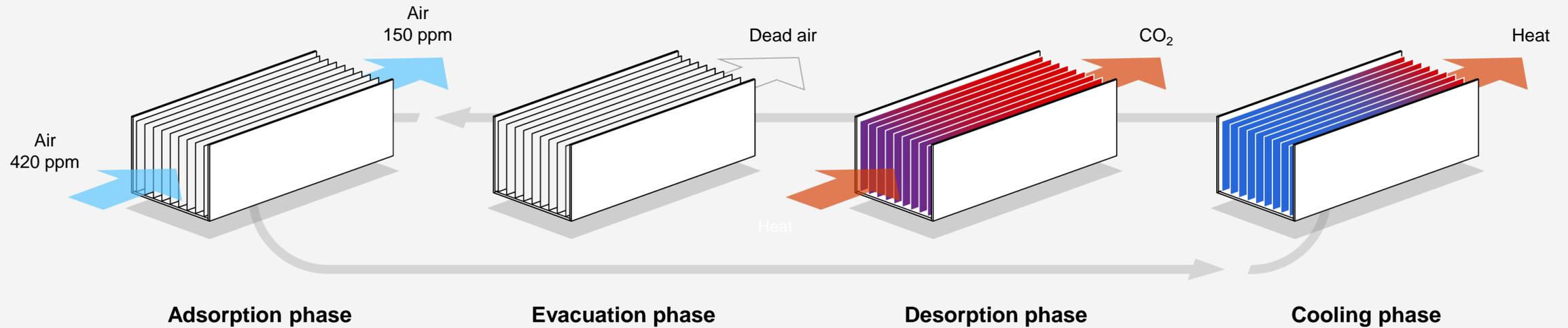
Customers

We've signed offtakes worth \$27M from leading companies.

The logo for adyen, featuring the word "adyen" in a bold, lowercase, green sans-serif font.The logo for Alphabet, featuring the word "Alphabet" in a red, lowercase, sans-serif font.The logo for Amazon, featuring the word "amazon" in a lowercase, black, sans-serif font with a curved orange arrow underneath.The logo for Autodesk, featuring a stylized "A" icon followed by the word "AUTODESK" in a bold, uppercase, black, sans-serif font.The logo for BCG, featuring the letters "BCG" in a bold, green, uppercase, sans-serif font.The logo for ClimeFi, featuring the word "ClimeFi" in a bold, black, uppercase, sans-serif font.The logo for Cloverly, featuring the word "cloverly" in a lowercase, black, sans-serif font with a green clover leaf icon.The logo for Frontier, featuring a stylized "F" icon followed by the word "Frontier" in a lowercase, black, sans-serif font.The logo for H&M Group, featuring the text "H&M Group" in a black, uppercase, sans-serif font.The logo for JPMorgan Chase & Co., featuring the text "JPMORGAN CHASE & CO." in a black, uppercase, serif font.The logo for McKinsey Sustainability, featuring the text "McKinsey Sustainability" in a black, uppercase, serif font.The logo for Meta, featuring a stylized infinity symbol icon followed by the word "Meta" in a lowercase, black, sans-serif font.The logo for Microsoft, featuring a four-colored square icon followed by the word "Microsoft" in a lowercase, black, sans-serif font.The logo for Patch, featuring a stylized "P" icon followed by the word "Patch" in a lowercase, black, sans-serif font.The logo for Shopify, featuring a green shopping bag icon followed by the word "shopify" in a lowercase, black, sans-serif font.The logo for Stripe, featuring the word "stripe" in a bold, lowercase, blue, sans-serif font.The logo for Watershed, featuring a globe icon followed by the word "Watershed" in a lowercase, black, sans-serif font.The logo for Workday, featuring a stylized orange and blue arc icon followed by the word "workday" in a lowercase, blue, sans-serif font.

Proven technology

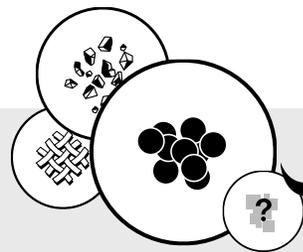
To capture CO₂ from air, our systems cycle solid sorbents through a low temperature adsorption-desorption process. It's a de-risked technology that runs on renewable energy or waste heat.



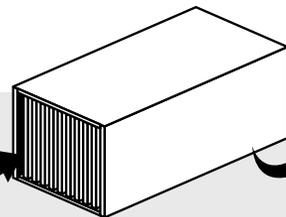
Modular Open Systems Architecture (MOSA)

- CarbonCapture's DAC systems are based on our patented MOSA architecture
- MOSA enables our systems to be upgraded with new sorbents as they come to market, enabling ongoing cost reductions
- Upgradeability lets us harness DAC innovations from leading sorbent and structuring partners around the world

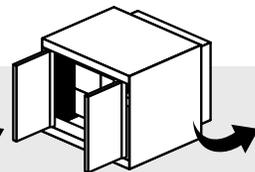
Sorbent development
and testing



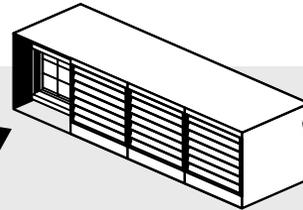
**Structured
sorbents**



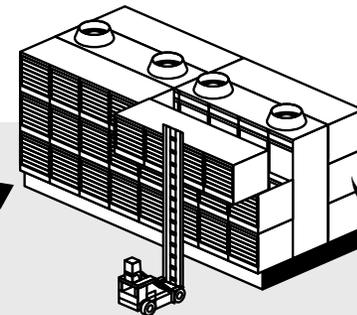
**Standardized
cartridges**



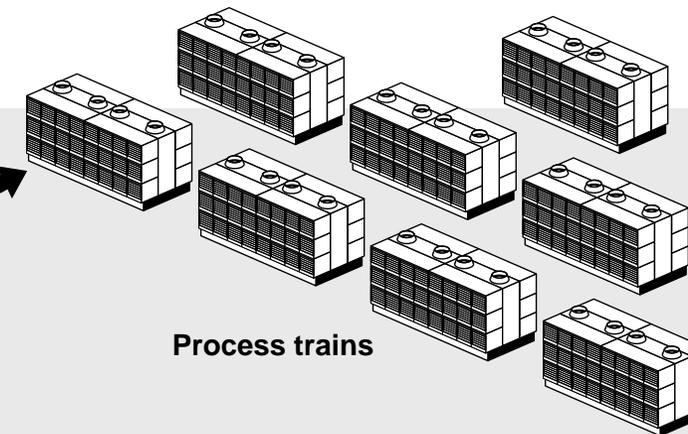
Reactors



Modules



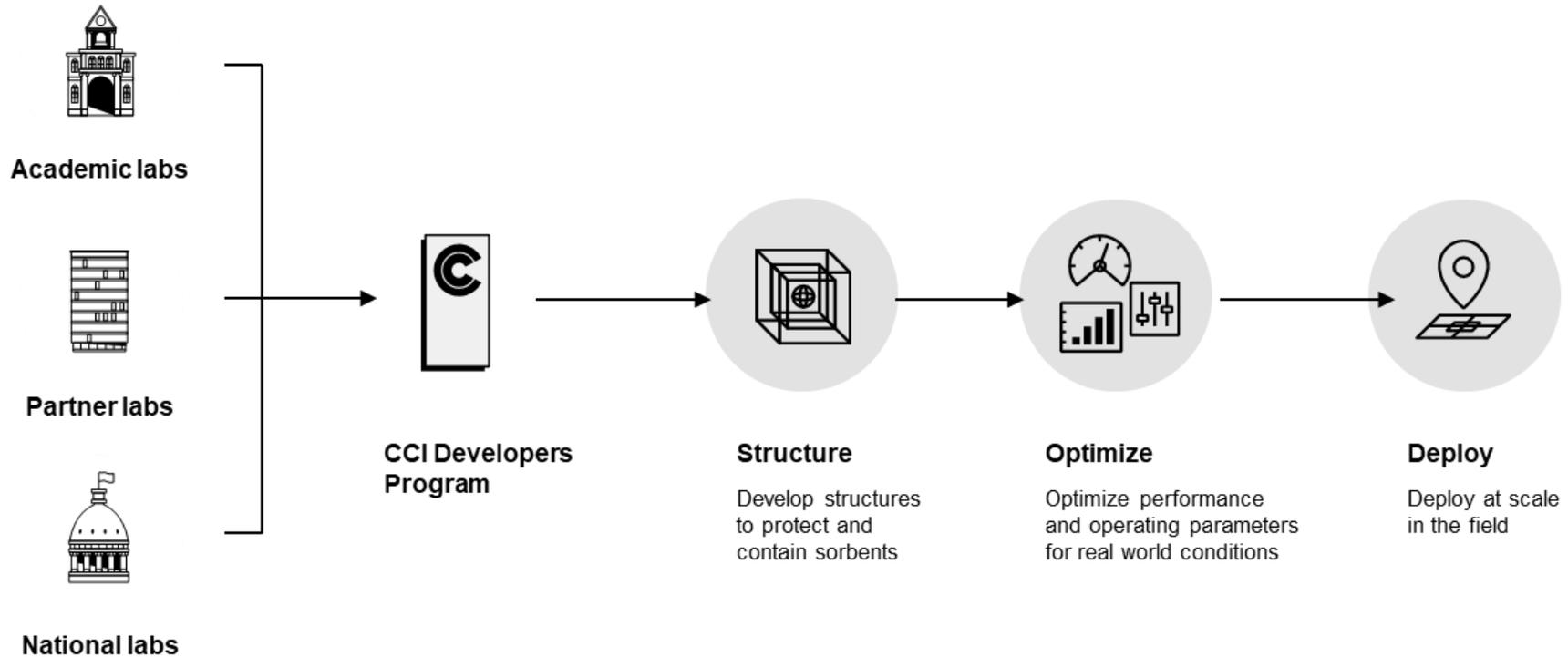
Clusters



Process trains

Sorbent Development & Testing

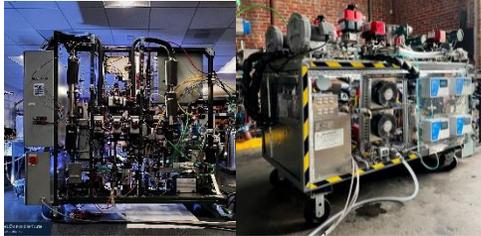
New sorbents for DAC are continually being developed by scientists in academic, corporate, and national labs around the world. We offer these developers a path to market, alongside our active in-house sorbent development program.



From mg to tons

Evaluation of our TRL and test platforms

~100g



Rocky

Environmental testing

-10°C up to 40°C
0% RH up to 90% RH

Arizona
Wyoming
Louisiana

Bullwinkle

Lifetime testing

Fully automated system
2 parallel reactors
Mobile unit

~10kg



Calvin

Production-scale sorbent testing

Fully automated system
Performance & lifetime testing
Mechanical/chemical stability

~100kg



Hobbes

Full reactor testing

Production-scale process unit
TRL 6
Hardware, sensors, & airflow

Ton-scale

structured sorbent



Leo

Field testing

12 reactors
TRL 8
Continuous cycling



[Watch the full demonstration](#)
from our event.

Development progress

Completed



First Commercial Reactor

2022

Lab
Los Angeles

Completed
500 tpa



First Commercial Module

2024

Demonstration
Los Angeles

Executing
2,000 tpa



First Commercial Cluster

2025

CO₂ Utilization
Arizona

Developing
20,000+ tpa



First Large-scale Array

2027

CO₂ Storage
Louisiana/Texas

Thank you.

