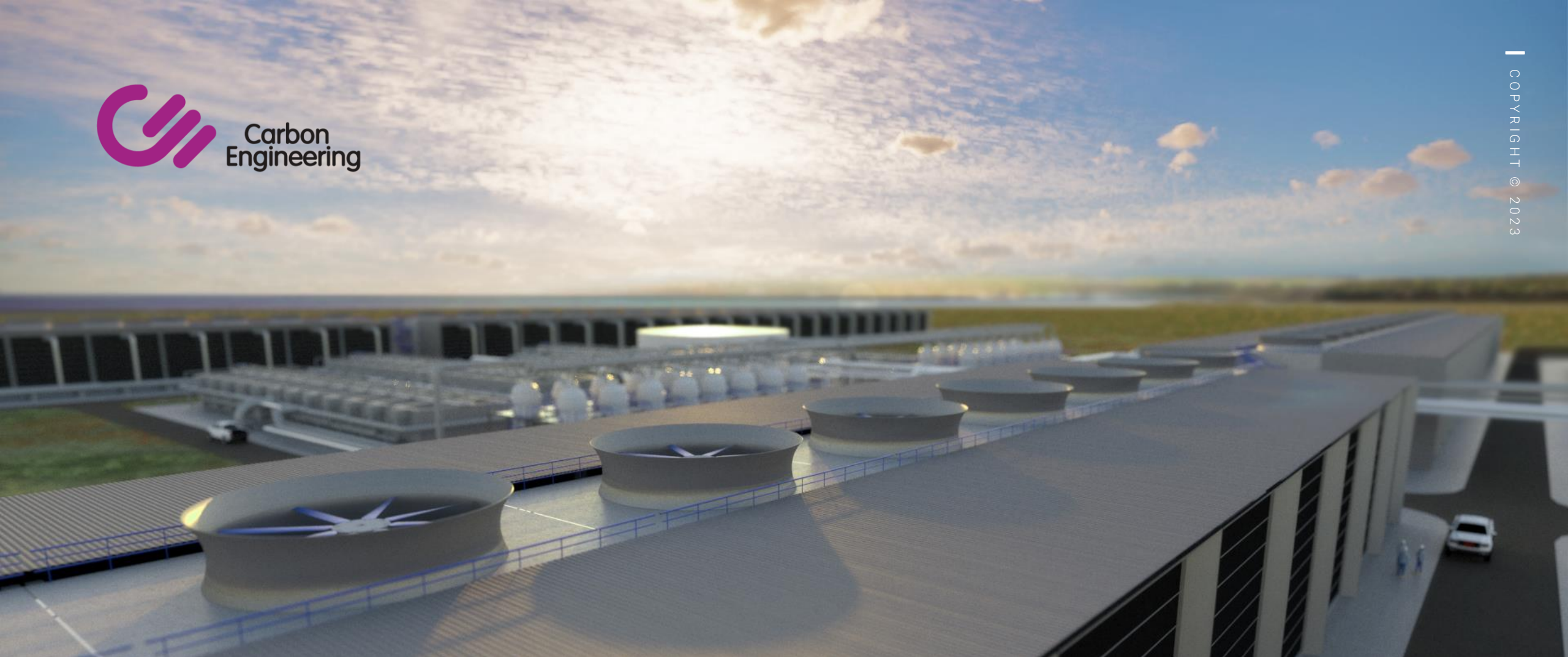




Direct Air Capture: A critical tool for net zero aviation

ICAO STOCKTAKING

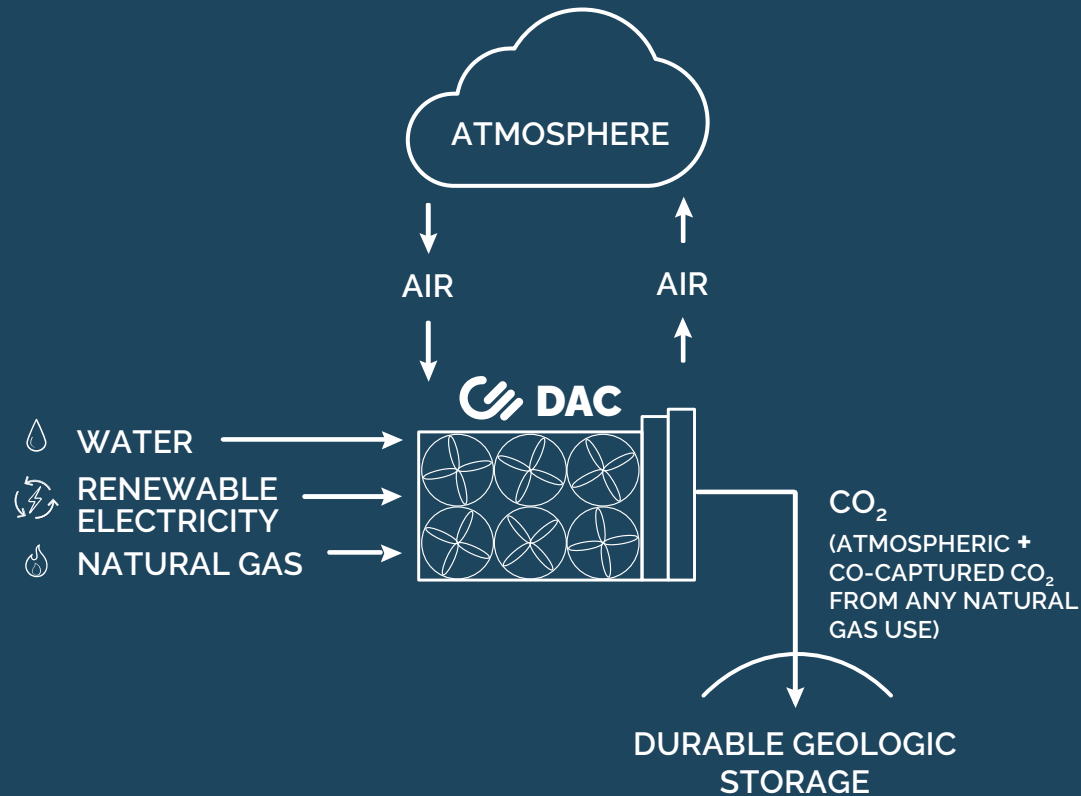
11 July 2023
Montréal, Canada

Adam Baylin-Stern
Policy and Engagement Lead

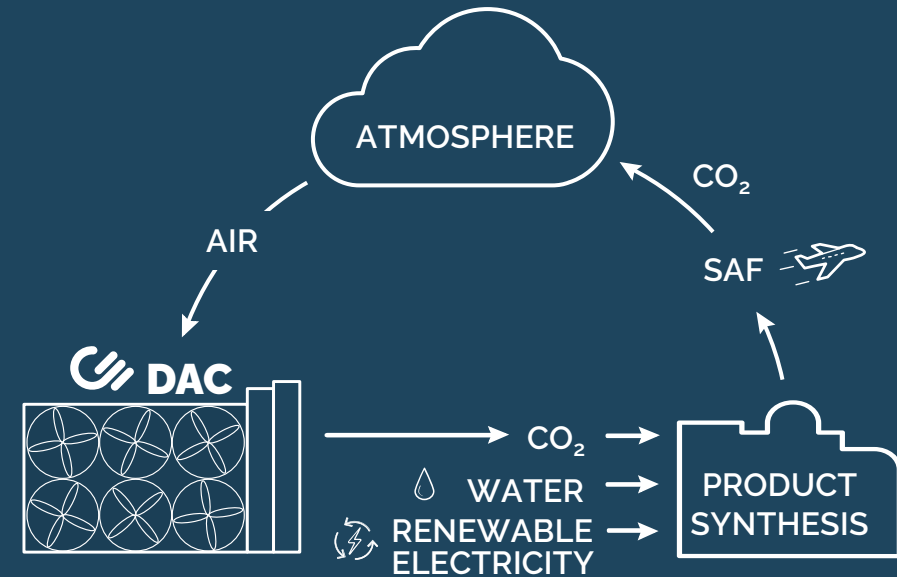
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CE DAC technology provides two key solutions for aviation:

CARBON DIOXIDE REMOVAL

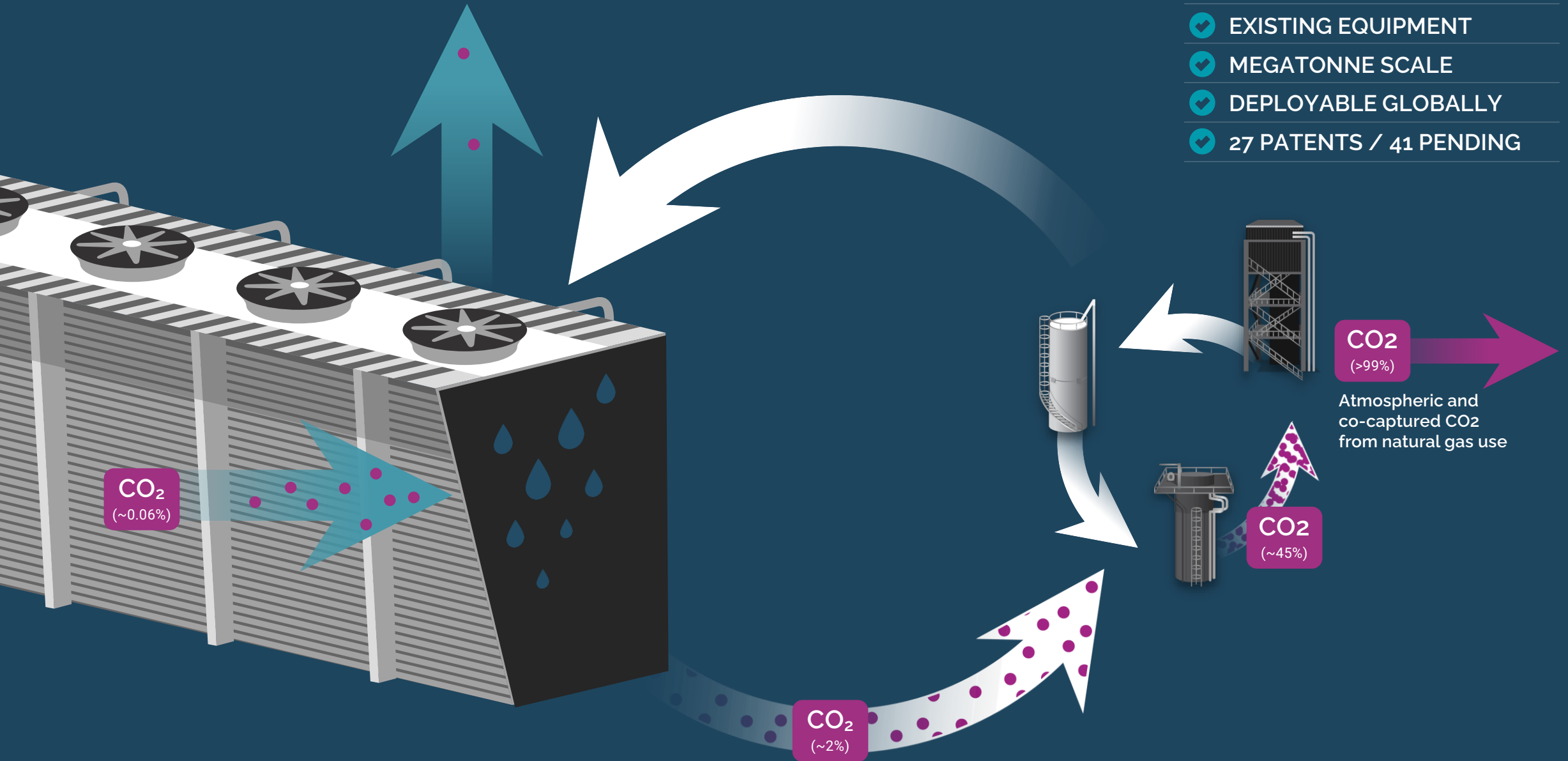


SUSTAINABLE AVIATION FUEL



CE technology was built for scale

- ✓ CLOSED-LOOP
- ✓ EXISTING EQUIPMENT
- ✓ MEGATONNE SCALE
- ✓ DEPLOYABLE GLOBALLY
- ✓ 27 PATENTS / 41 PENDING



A solution for hard to abate transportation sectors

DAC enables complementary solutions for reduction and removal

1 Durable Carbon Dioxide Removal (CDR)

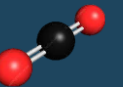


2 Sustainable Aviation Fuel (SAF)

Produced through CE's AIR TO FUELS™ process.



BOTH options are considered equal in existing and emerging high-integrity transportation decarbonization compliance markets like the CA, WA, and BC LCFS



BUILT 2015



CE'S DIRECT AIR CAPTURE PILOT PLANT, SHOWING THE CALCINER & AIR CONTACTOR

BUILT 2021



CE'S INNOVATION CENTRE & TECHNOLOGY DEVELOPMENT HEADQUARTERS



"In all the scenarios modeled, even those where SAF fully replaces traditional aviation fuel, there are residual emissions which need to be addressed with carbon removals. Moreover, Direct Air Capture infrastructure will be needed to produce SAF from atmospheric CO₂."

IATA's 2023 Net Zero roadmaps

<https://www.iata.org/en/programs/environment/roadmaps/>

MORE INFORMATION CAN BE FOUND AT:

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