Direct Air Capture
The Problem

Co2 PPM

Continuation of History
Without action, continued CO₂ emissions will lead to major environmental consequences.

Aggressive Emissions Reduction
Existing atmospheric carbon remains

CO₂ Removal
Only removal of existing CO₂ will solve the problem

+0°
+2°

Above this threshold, there will be major consequences
“All pathways that limit global warming to 1.5°C... project the use of carbon dioxide removal on the order of 100–1000 GtCO2 over the 21st century”
- IPCC SR15
TO SLOW CLIMATE CHANGE, WE MUST REDUCE NEW CO$_2$ EMISSIONS & EXISTING ATMOSPHERIC CO$_2$

Welcome to Carbon Engineering

- Transportation is a major emitter but is critical to our everyday lives.
- All mitigation scenarios require large scale negative emissions.
- Solutions must be effective, affordable & implementable.

AN ENVIRONMENTAL NECESSITY, FINANCIALLY COMPELLING
Scalable options for decarbonizing the heavy transportation sector.

DAC Enables Ultra-low Carbon Fuels
AIR TO FUELS™ Pathway Compared to Biofuels and Fossil Fuels

- All fuels begin with a common set of ingredients – air, sun and water.
- CE’s AIR TO FUELS™ solution is a technological, rather than biological or geological approach to creating hydrocarbon fuels.

CE’s AIR TO FUELS™ process can do within hours what took the Earth millions of years.
CARBON ENGINEERING

DROP-IN COMPATIBLE, ULTRA-LOW CARBON SYNTHETIC CRUDE

AIR TO FUELS™ Products
Low Carbon, Clean Burning

CE’s fuel (right) compared to conventional diesel (left)
Essential and unique air treatment infrastructure using CE’s DAC technology.
DAC can play a critical role in addressing emissions that are too difficult or costly to eliminate at source.
MORE INFORMATION CAN BE FOUND AT:

🔗 www.carbonengineering.com
🔗 @carbonengineeringltd
✉️ info@carbonengineering.com
📞 Carbon Engineering Ltd.
🐦 @CarbonEngineer
🎈 CarbonEngineering