2021 ICAO STOCKTAKING

PRE-STOCKTAKING WEBINARS

TECHNOLOGY · OPERATIONS · SUSTAINABLE AVIATION FUELS

ICAO STOCKTAKING 2021

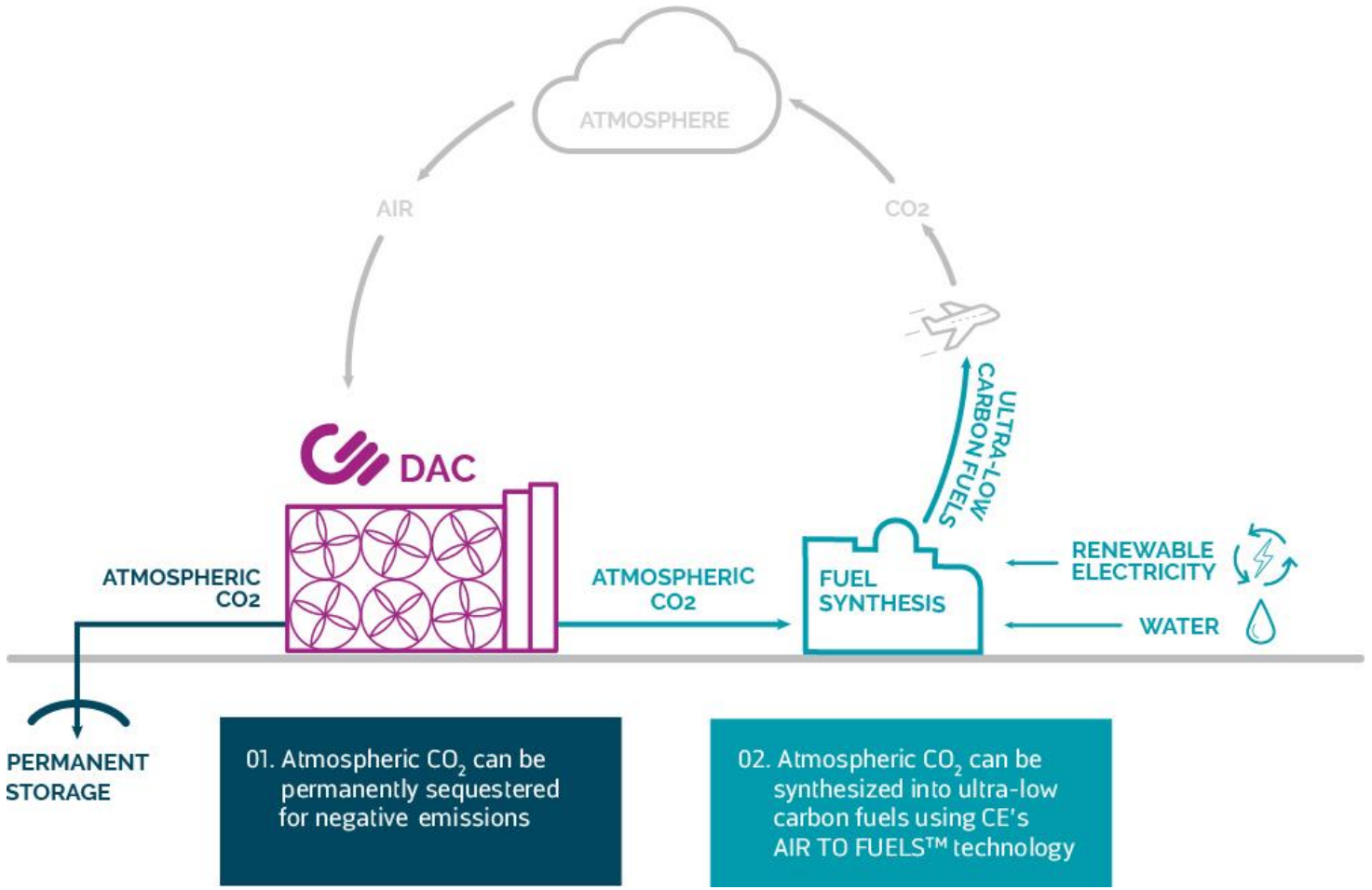
Anna Stukas, P.Eng

VP Business Development

Carbon Engineering Ltd.

Carbon Engineering Brings Direct Air Capture (DAC) and AIR TO FUELS™ Technologies at Climate-Relevant Scale

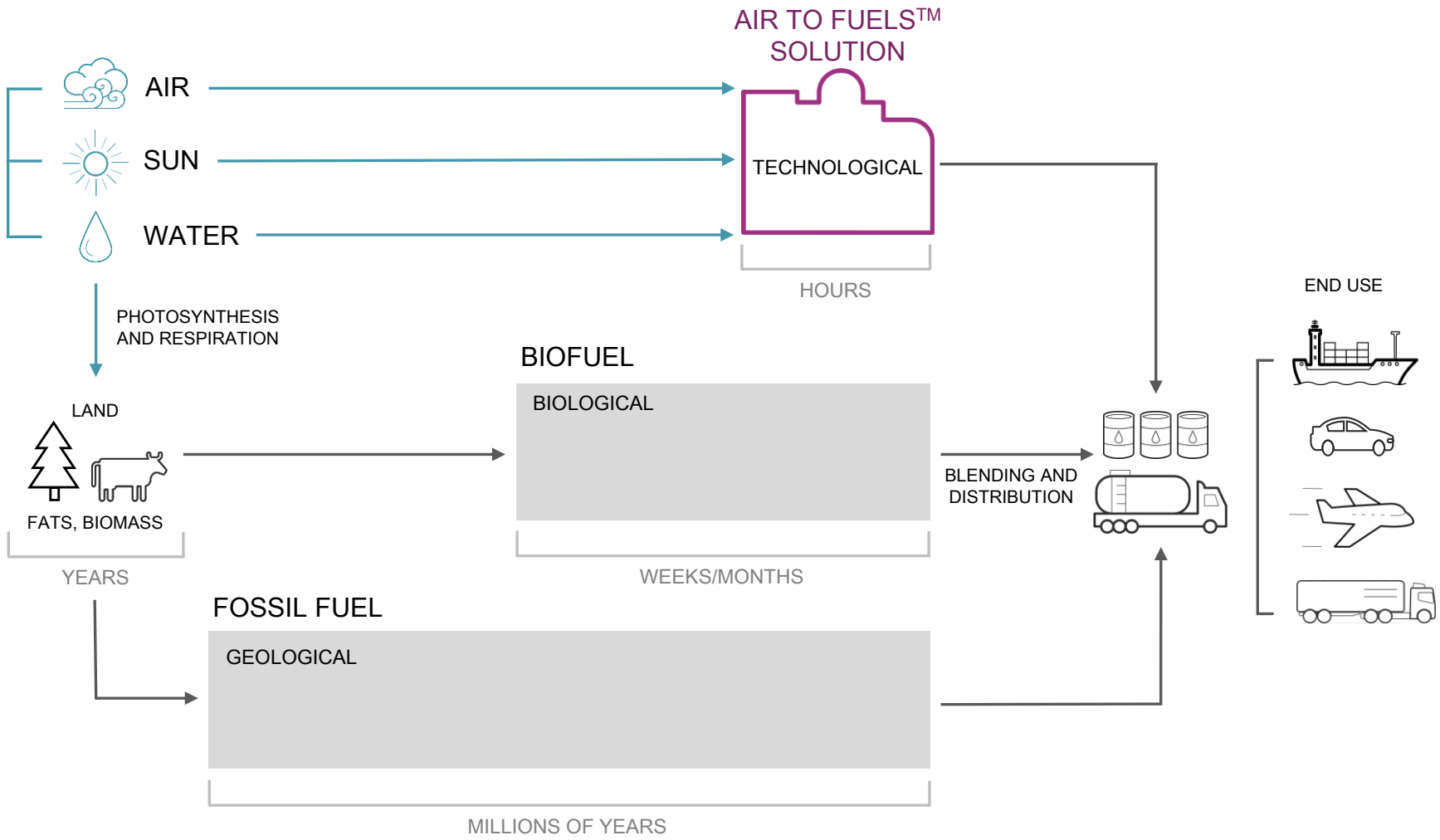
- Permanent carbon removal by removing CO_2 from the atmosphere and safely sequestering it in the geosphere or durable carbon products
- Drop-in compatible synthetic fuels that reduce the carbon intensity of transportation fuels by recycling atmospheric carbon



ELIMINATION OF ANY EMISSION, OF ANY TYPE, FROM ANYWHERE AND ANY TIME

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

AIR TO FUELS™ Products

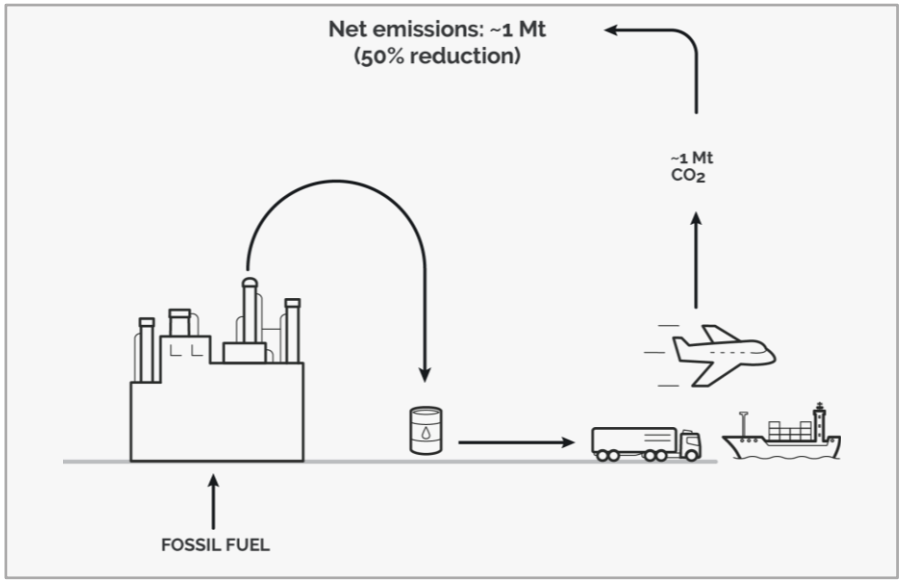
- Use of recycled atmospheric CO_2 and renewable electricity produces a near carbon neutral fuel
- Refined into diesel, jet fuel or gasoline
- No conflict with other feedstock needs
- No sulfur, very low particulate matter and aromatic hydrocarbons
- Wholly compatible with all existing vehicles, ships and airplanes without modification
- ASTM-approved pathway for SAF via FT-SPK

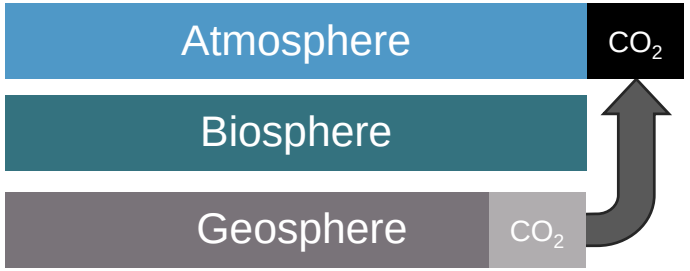
LOW CARBON, CLEAN BURNING

CE's fuel (right) compared to conventional diesel (left)

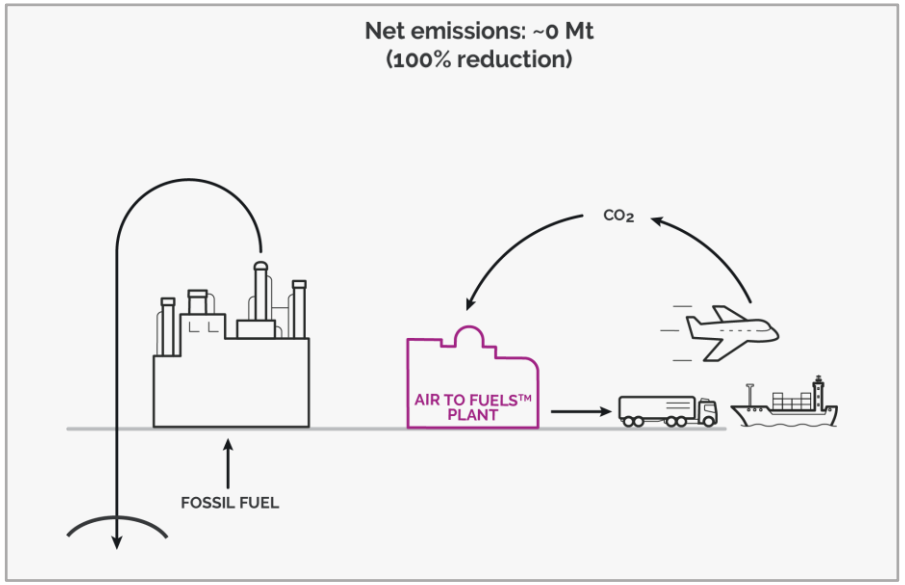
Why make SAF from Atmospheric Carbon?

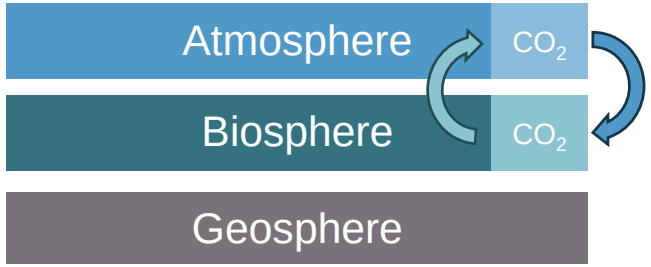
Recycled, reduction pathway





Renewable, net zero aligned





ATMOSPHERIC CARBON PROVIDES A PATHWAY FOR NET-ZERO ALIGNED SAF

Thank You

ICAO

2021 ICAO STOCKTAKING

PRE-STOCKTAKING WEBINARS

TECHNOLOGY · OPERATIONS · SUSTAINABLE AVIATION FUELS