

Reliable. Secure. Simple.

# Low-Cost DAC + Hydrogen Feedstocks for e-Fuels



# Synthetic molecules are required to decarbonize shipping and aviation

e-SAF

e-Ammonia

e-Methanol

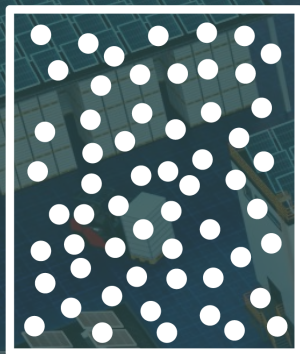
## Parallel Processing Technology - Affordable, Secure, Low-Carbon e-Fuel feedstocks



Leveraging low-cost renewable power to  
co-produce affordable gas feedstocks



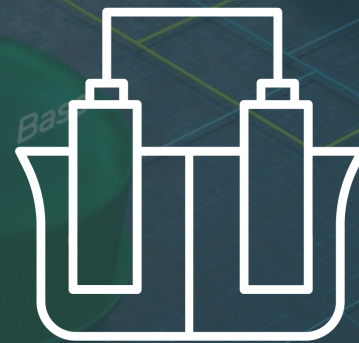
## 1 Electrolyzer, 2 Products



Mineral sorbent.



Water treatment.



Electrolysis.

DAC CO<sub>2</sub>

Clean H<sub>2</sub>



## THE PRODUCT

Ultra low capex  
DAC equipment

Decouples DAC from  
renewable energy  
intermittency

Modular electrolyzer  
makes  $H_2$

Electrolyzer also makes  
acids and bases  
for DAC process

$CO_2$

Liberation

Acid

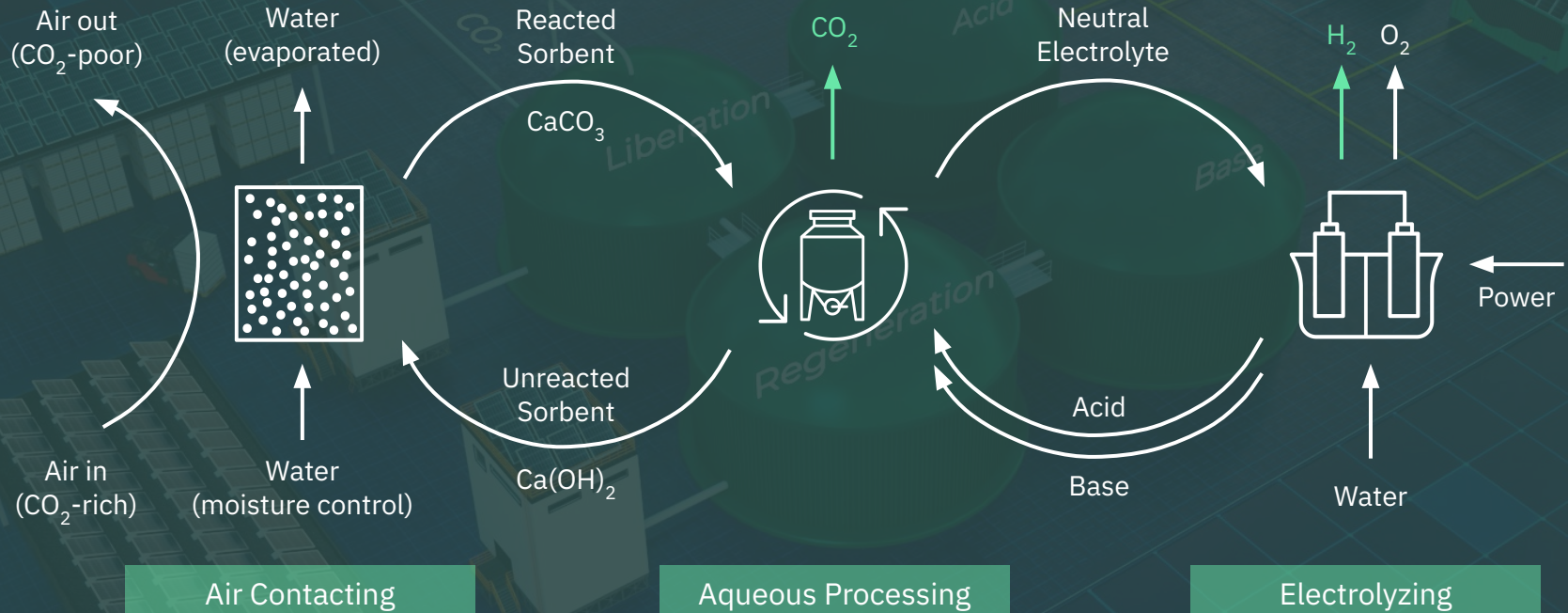
Base

Regeneration



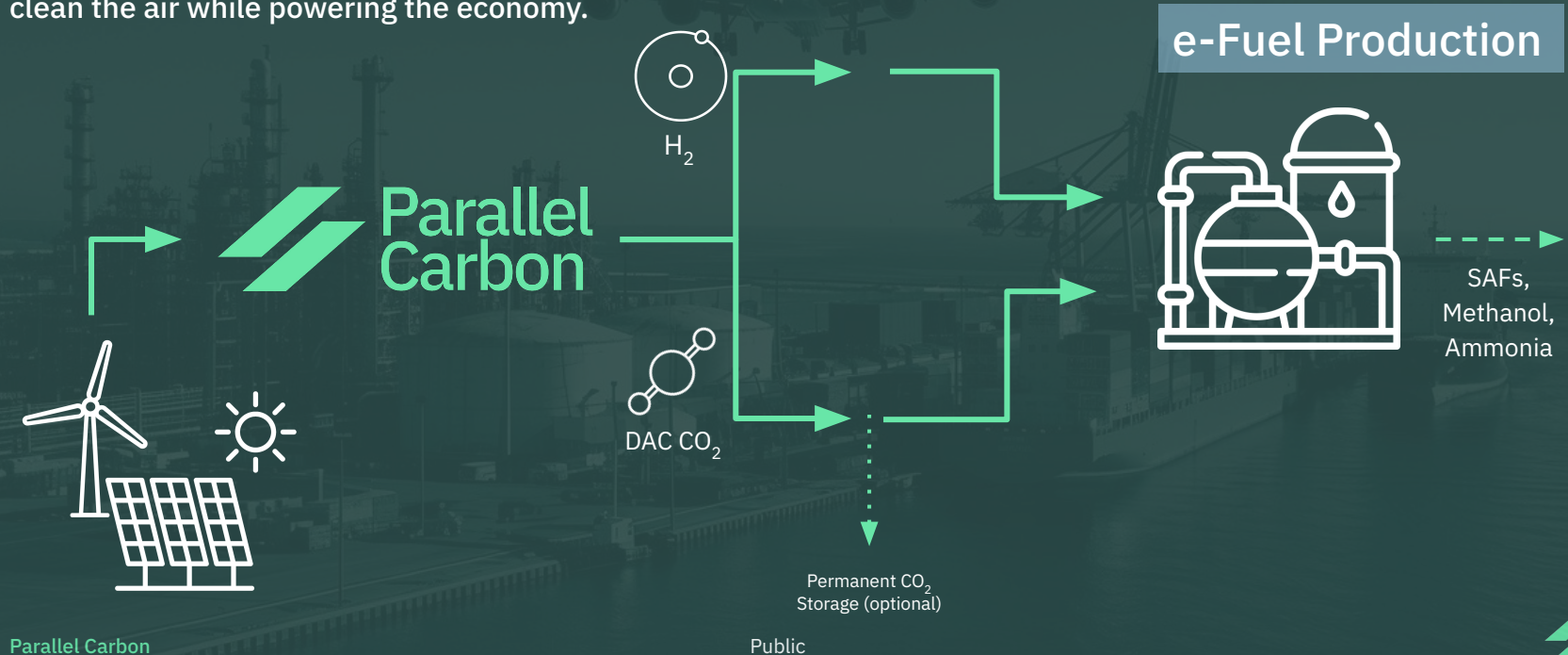
# Electrochemical pH-Swing Passive DAC with H<sub>2</sub> Co-Product

## Mineral Looping process driven by Membrane-Free Water Electrolyzer

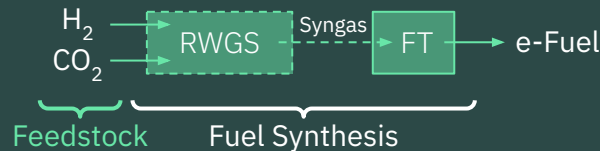


## Carbon-Neutral and Carbon-Negative e-Fuels

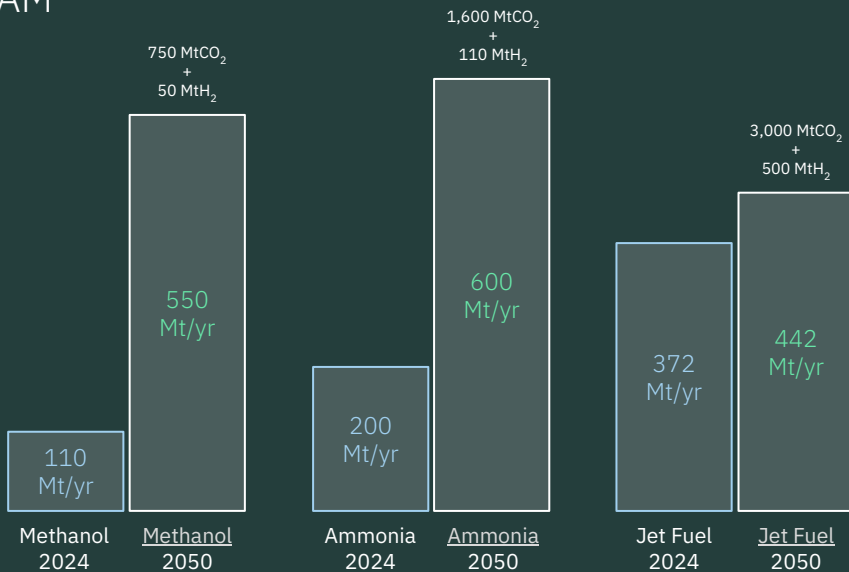
Parallel Carbon will unlock global pathways to producing fuels that clean the air while powering the economy.



# Affordable Clean H<sub>2</sub> and CO<sub>2</sub> Unlock Massive Growth in Sustainable Fuel Production



## TAM



## SAM

- 15% Methanol
  - 25% Ammonia
  - 50% Jet Fuel
- US, Europe, Middle East

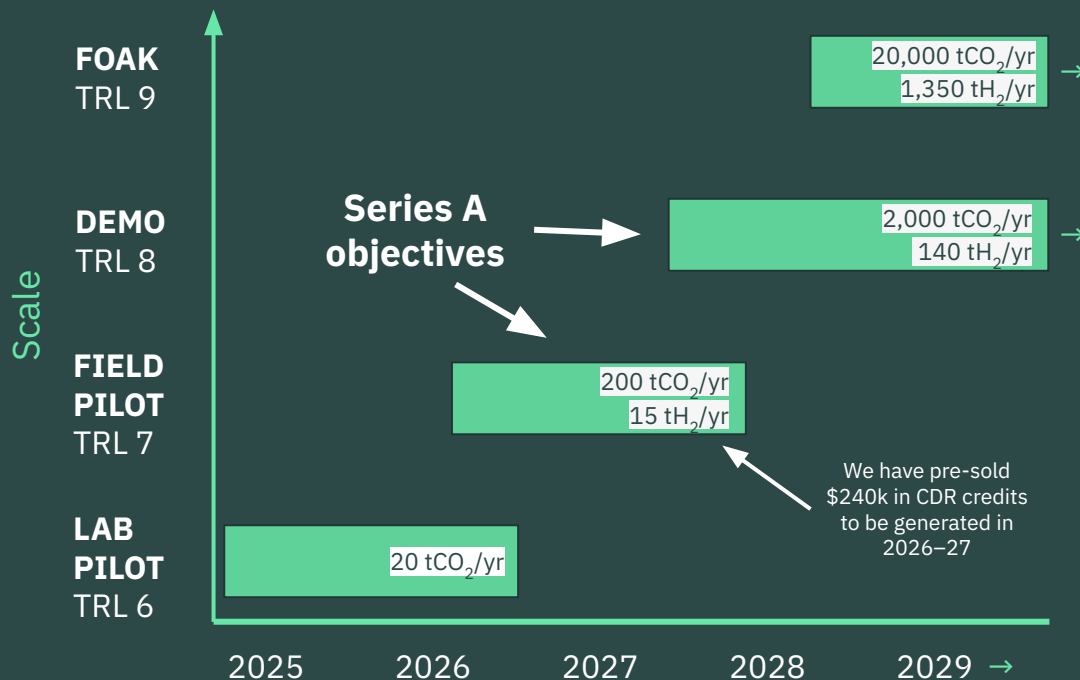
## SOM (2050)

- 75% as “Carbon-Neutral e-Methanol”
- 25% as “Carbon-Negative e-Ammonia”
- 50% as “Carbon-Neutral e-SAF”

**1GtCO<sub>2</sub>/yr + 67MtH<sub>2</sub>/yr**  
**@ \$167b/yr**



## Commercialization Timeline and Traction



**Each DEMO site includes capacity for Parallel Carbon to expand to FOAK scale**

Pending DEMO Sites*	
Partners	Locations
e-Methanol	Gulf Coast, Texas, USA
e-SAF	Texas, USA
e-Methanol	Eastern EU
e-Ammonia (+ CDR credits)	California, USA
e-Methanol	Texas, USA

\*Pending completion of commercial agreements; Targeting >\$1m ARR from 2027

WE DELIVER NEW TECH



Ryan Anderson, PhD  
CEO, Founder



Aranzazu Carmona-Orbezo, PhD  
CTO, Founder

Parallel Carbon



Tom Harding  
Partnerships



Daniel Sault, PhD  
Process Chemist



Theo Suter, PhD  
Stack Engineer



Tom Owen  
Mechanical Design



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Maurice Power, PhD  
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Process Engineer

Public



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