

captura™

Introducing Captura

Sustainable, large-scale
Carbon Dioxide Removal (CDR)

The world needs CDR

- Scalable technology able to remove meaningful levels of CO₂ from the atmosphere.
 - >40 billions tons of CO₂ emitted into the atmosphere each year.
 - May 2025, the atmosphere has reached critical levels of CO₂ (>420ppm)
- Sustainable and reliable source of CO₂ for synthetic fuels and chemicals.

A new industrial sector the size of the oil and gas sector today.

The leaders in CDR will combine

SCALABILITY

+

SUSTAINABILITY

+

AFFORDABILITY

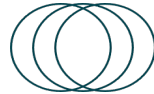
Captura has all these attributes and the team to deliver.



**CAPTURA AIMS
TO BE A LEADING
TECHNOLOGY
PROVIDER IN CDR &
ELECTRODIALYSIS**

Captura is making waves in carbon removal

SIMPLE



Captura's Direct Ocean Capture (DOC) requires just seawater and renewable energy as inputs

MEASURABLE



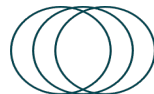
Produces a measurable stream of CO₂ for carbon credits or low-carbon products (e.g. e-fuels)

SUSTAINABLE



No feedstocks needed, no by-products produced, zero waste and nothing added to the ocean

LEADING



Enabled by proprietary electrodialysis (ED) technology

SCALING



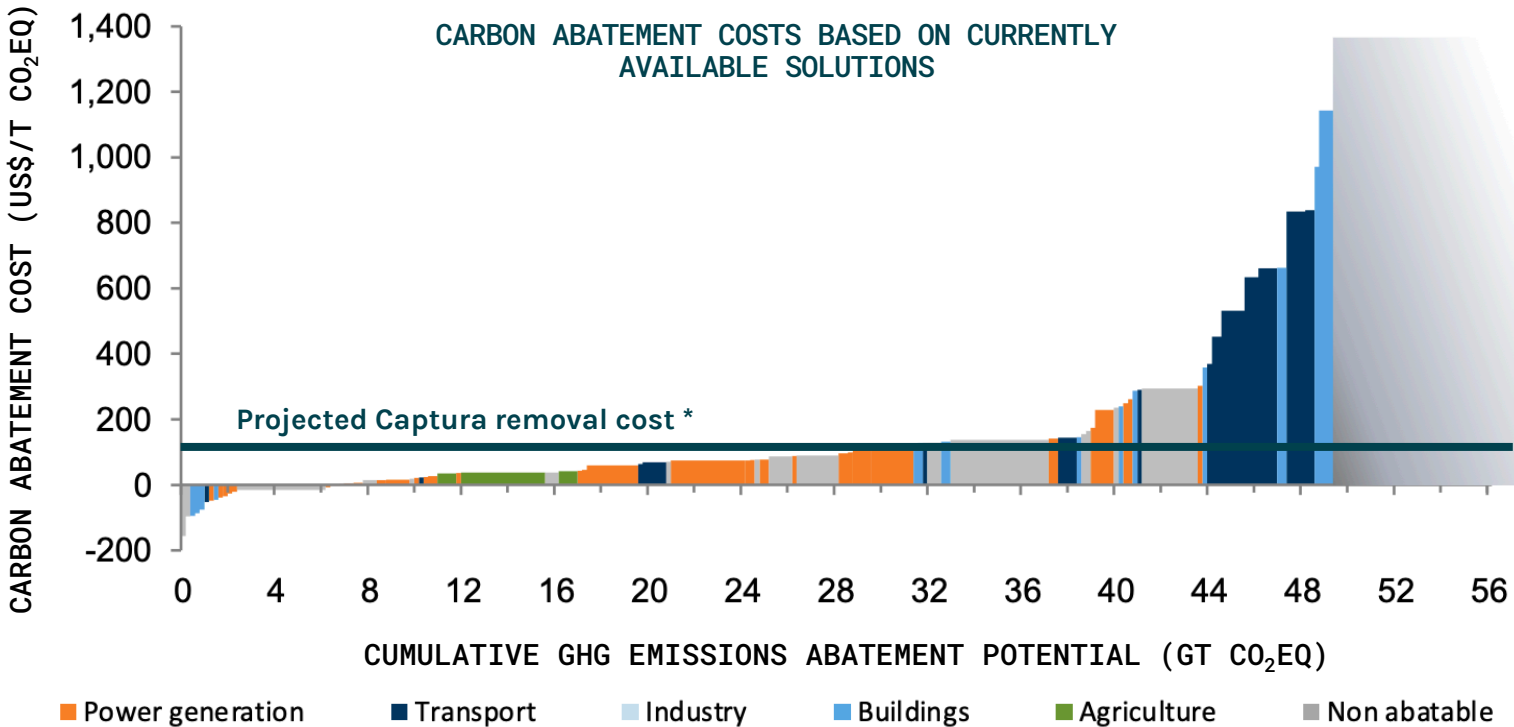
Moving into commercialization, with third party verified technology performance

TRUSTED



World-class management and investor team

The CDR value proposition



Source: Goldman Sachs “Carbonomics” Report 2023

* Based on detailed TEA for a Mt system atop an existing offshore platform

ELIMINATING

Any emission

From anywhere

At any point in time

Eliminating emissions, especially for hard-to-abate sectors, is time-intensive and comes at a high cost.

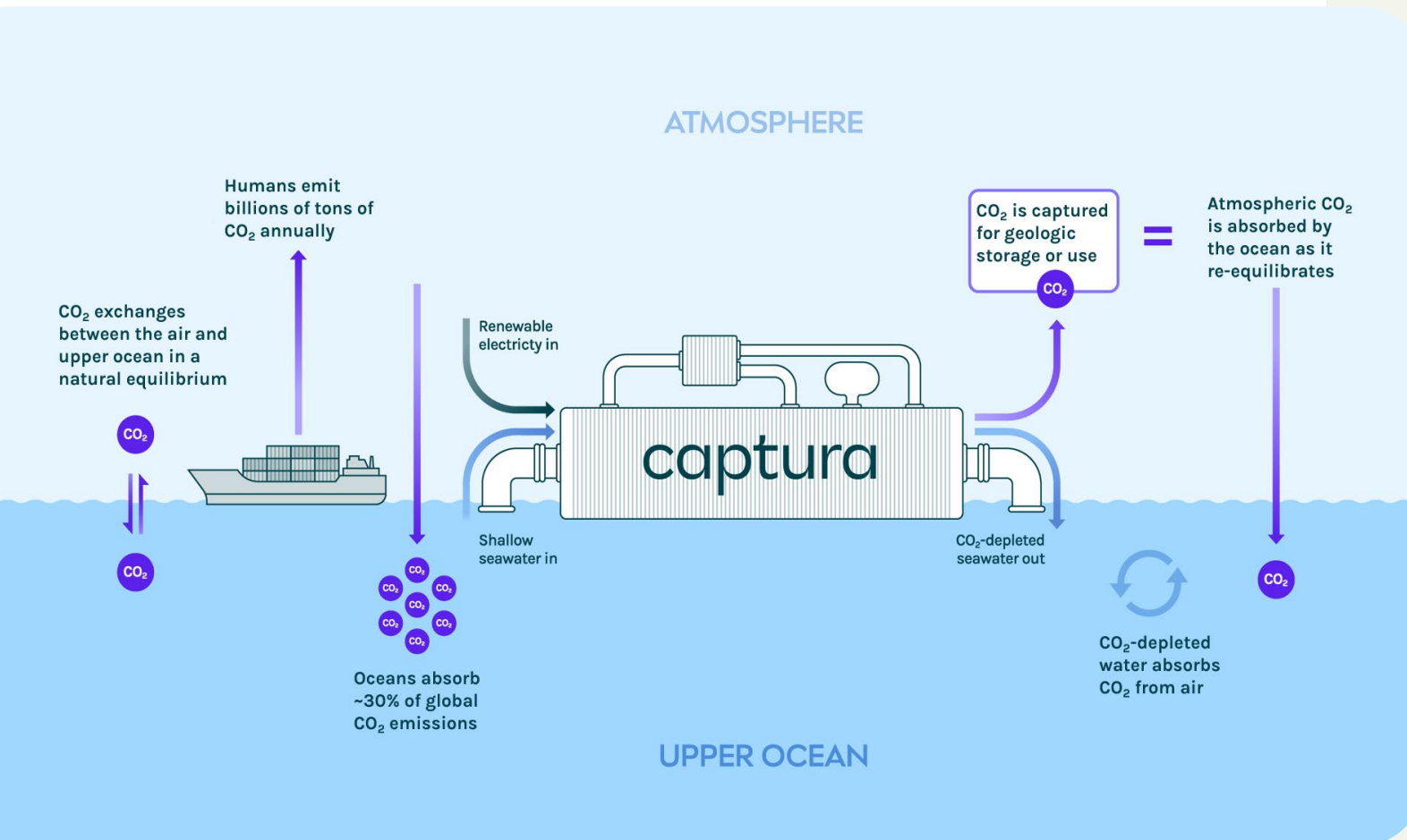
Captura can remove emissions at a **lower cost, faster and on a non-disruptive basis**, rather than eliminating them.

≤\$150/ton

PROJECTED CAPTURA REMOVAL COST

CDR TAM becomes everything above removal cost PLUS the legacy emissions that also require removal

DOC system leverages the power of nature



INPUTS:

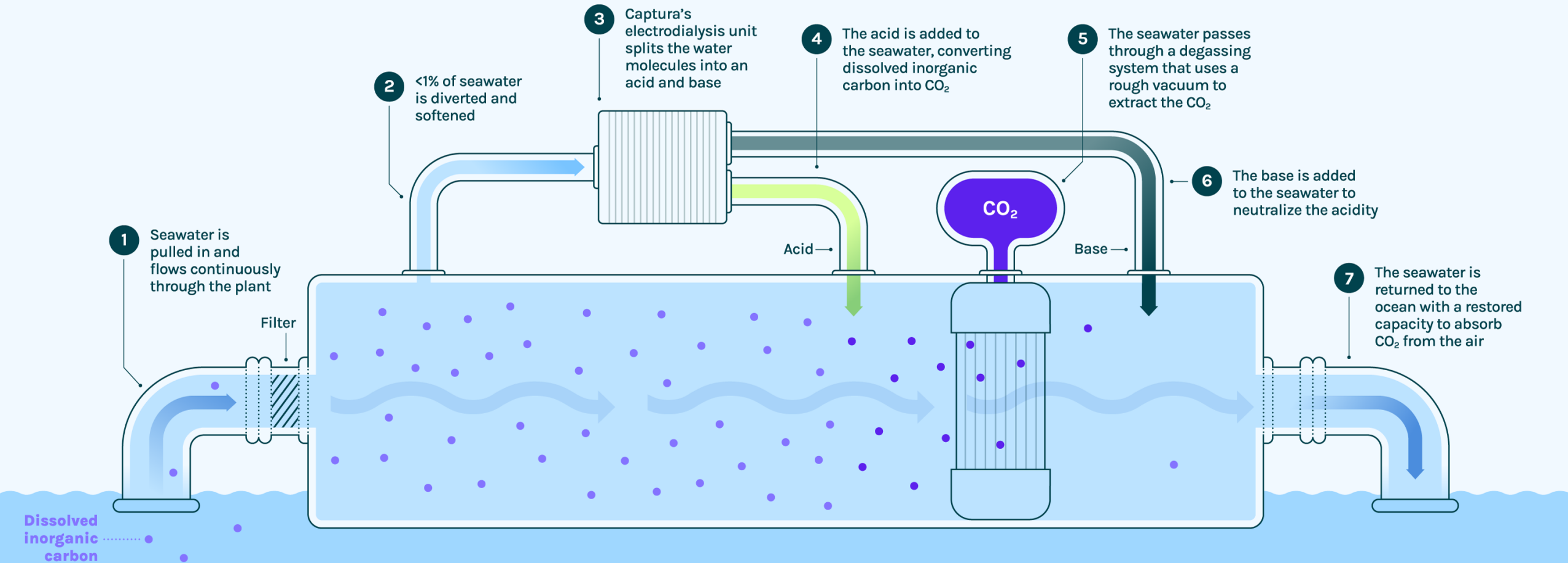
renewable energy + seawater

OUTPUTS:

decarbonized seawater + CO₂

- Removing CO₂ from the ocean results in **atmospheric CO₂ removal**
- Greater efficiency compared to DAC: **oceans are 150x more concentrated in CO₂**
- **Closed loop process** – no added material and no waste product
- **Nothing added to the ocean**, with potential to de-acidify localized areas

How Captura's Direct Ocean Capture system works



Captura's technology is rapidly progressing & scaling

FIRST PILOT

OPERATIONAL 2022

1 t/yr

Deployed at Newport Beach, CA & delivered 5000+ hours of data



SECOND PILOT

OPERATIONAL 2023

100 t/yr

Located at AltaSea at the Port of L.A. for R&D, MRV, ocean health & engagement



THIRD PILOT

OPERATIONAL 2025

1000 t/yr

Final technology demonstration in Captura's pilot program



MEMBRANE PRODUCTION

UNDERWAY 2025

50,000m²/yr

Progress BPM and CEM development to commercial production

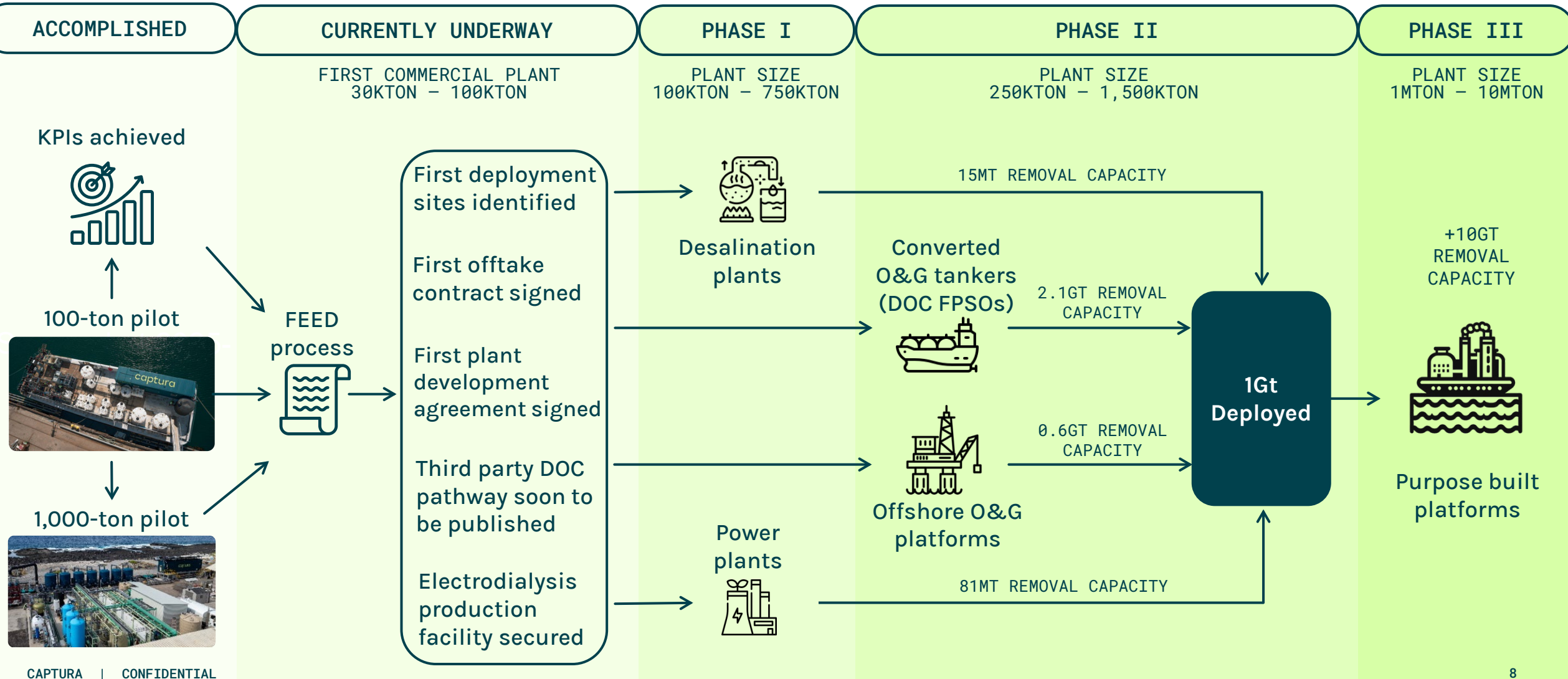
COMMERCIAL PLANTS

TARGETED 2026

First plants to remove tens of thousands of tons of CO₂ annually & co-locate with existing infrastructure, e.g. desalination plants



Captura's path to gigatonne scale CO₂ removal





Thank you.

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