

# CE's Direct Air Capture Technology

## REMOVAL OF CO<sub>2</sub> FROM ATMOSPHERE

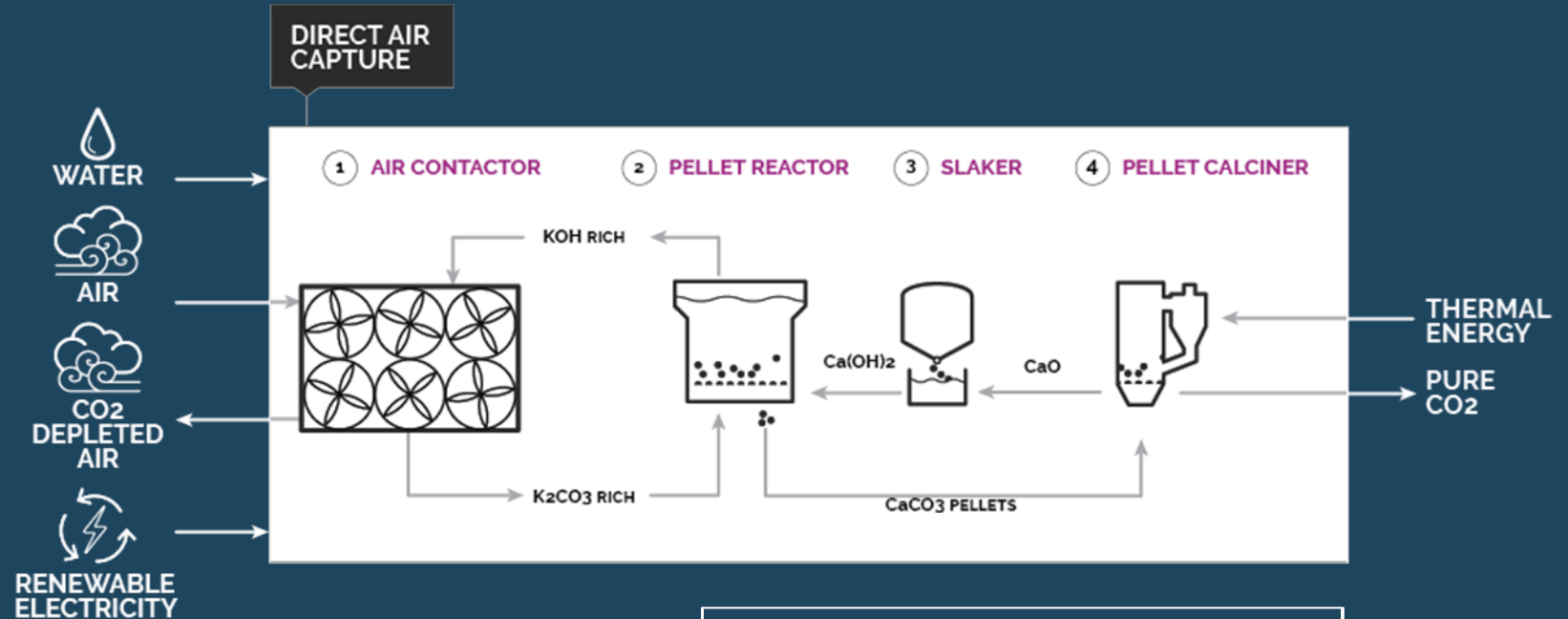
Dilute Source (~420 ppm)

## CLOSED CHEMICAL LOOPS

Non-volatile non-toxic chemical process

## INDUSTRIAL EQUIPMENT WITH PRECEDENT

- ▶ A combination of pre-existing technologies adapted and combined with patented innovations and proprietary know-how
- ▶ Established basis for emission measurements and characterization



EQUIPMENT	INDUSTRIAL PRECEDENT
AIR CONTACTOR	Industrial cooling tower
PELLET REACTOR	Water treatment technology
SLAKER	Standard equipment for converting Calcium Oxide to Calcium Hydroxide
CALCINER	Refractory lined circulating fluidized bed calciners are commonly used in mining for ore processing

# CE's DAC Technology Demonstration Pathway

## PILOT PLANT

**BUILT 2015**

Piloted elements of CE's DAC technology.



## INNOVATION CENTRE

**BUILT 2021**

R&D platform for technological advancements to incorporate into commercial plants.



## STRATOS PERMIAN SITE

**CONSTRUCTION UNDERWAY**

500,000 tonnes CO<sub>2</sub>/yr once fully operational.  
Expected to be largest in the world.

