CLIMEWORKS

Capturing CO_2 from air

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Accelerating CCUS, Edinburgh, 29 November 2018

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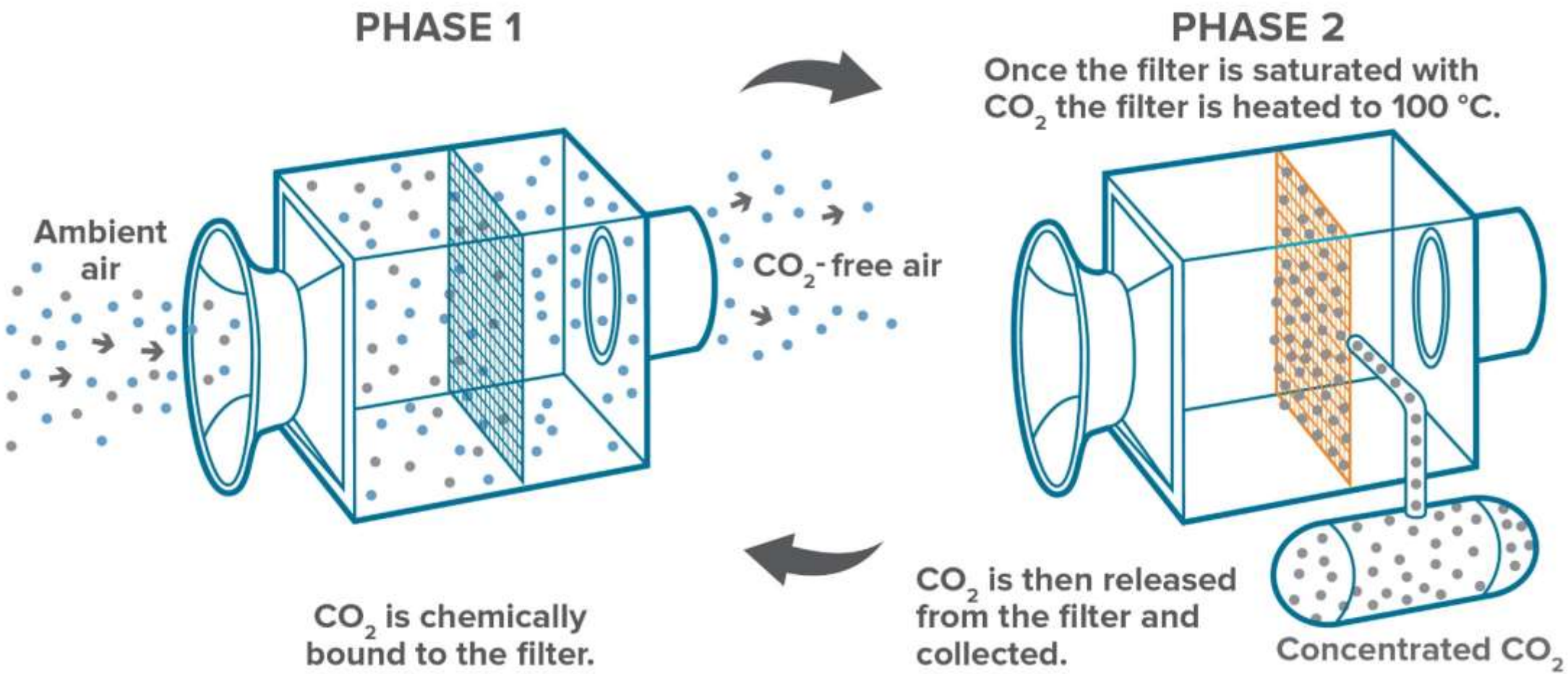
AIR
CLIMEWORKS
Capturing CO_2 from air
CO_2-FREE AIR
PURE CO_2

THE CLIMEWORKS SOLUTION

- **Industrial modular** CO_2 capture plants
- **Low-temperature heat** (solar/waste) as main energy input
- **Minimal carbon footprint** < 10% side emissions (CO_2-eq)
- **Worldwide first** company supplying atmospheric CO_2 to customer

HOW OUR TECHNOLOGY WORKS



GREENHOUSE FLAGSHIP PROJECT

Plant type:	DAC-18
CO_2 capacity:	2’460 kg/day
Customer:	Greenhouse
Heat source:	Waste heat
Location:	Hinwil, CH
Commissioning:	31st May 2017

Worldwide first commercial DAC plant

CO_2-REMOVAL FLAGSHIP PROJECT

Plant type:	DAC-1
CO_2 capacity:	100 kg/day
CO_2 application:	Mineralization of CO_2 → atmos. CO_2 removal
Heat source:	Geothermal
Location:	Hellisheidi, Iceland
Commissioning:	11th Oct. 2017

Worldwide first atmospheric CO_2-removal via DAC

PtX FLAGSHIP PROJECT

Plant type:	DAC-3
CO_2 capacity:	410 kg/day
CO_2 application:	Methane synthesis
Heat source:	Heat recovery from synthesis
Location:	Troia, Italy
Commissioning:	**1st Oct. 2018**

Demonstration of large-volume energy storage with PtX

CLIMEWORKS PLANT LOCATIONS

Climeworks AG

- 60 FTEs
- Based in Zurich, CH
- Subsidiary in Dresden, DE
- Setting 2-3 new direct air capture plants every year since 2017

Climeworks AG

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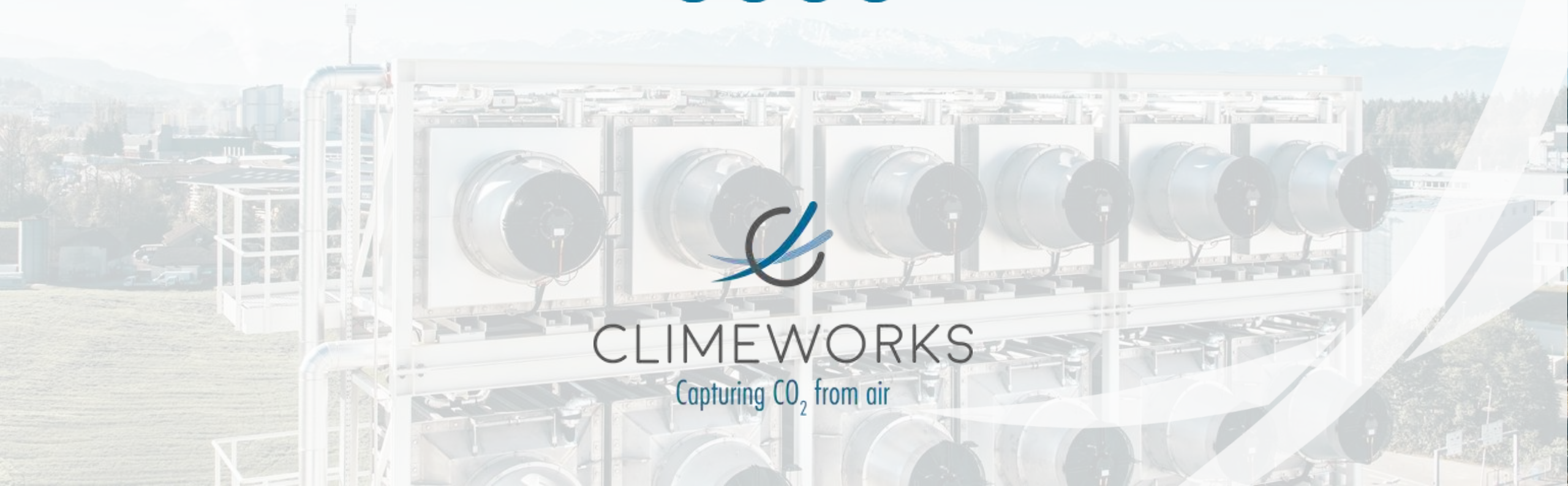

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