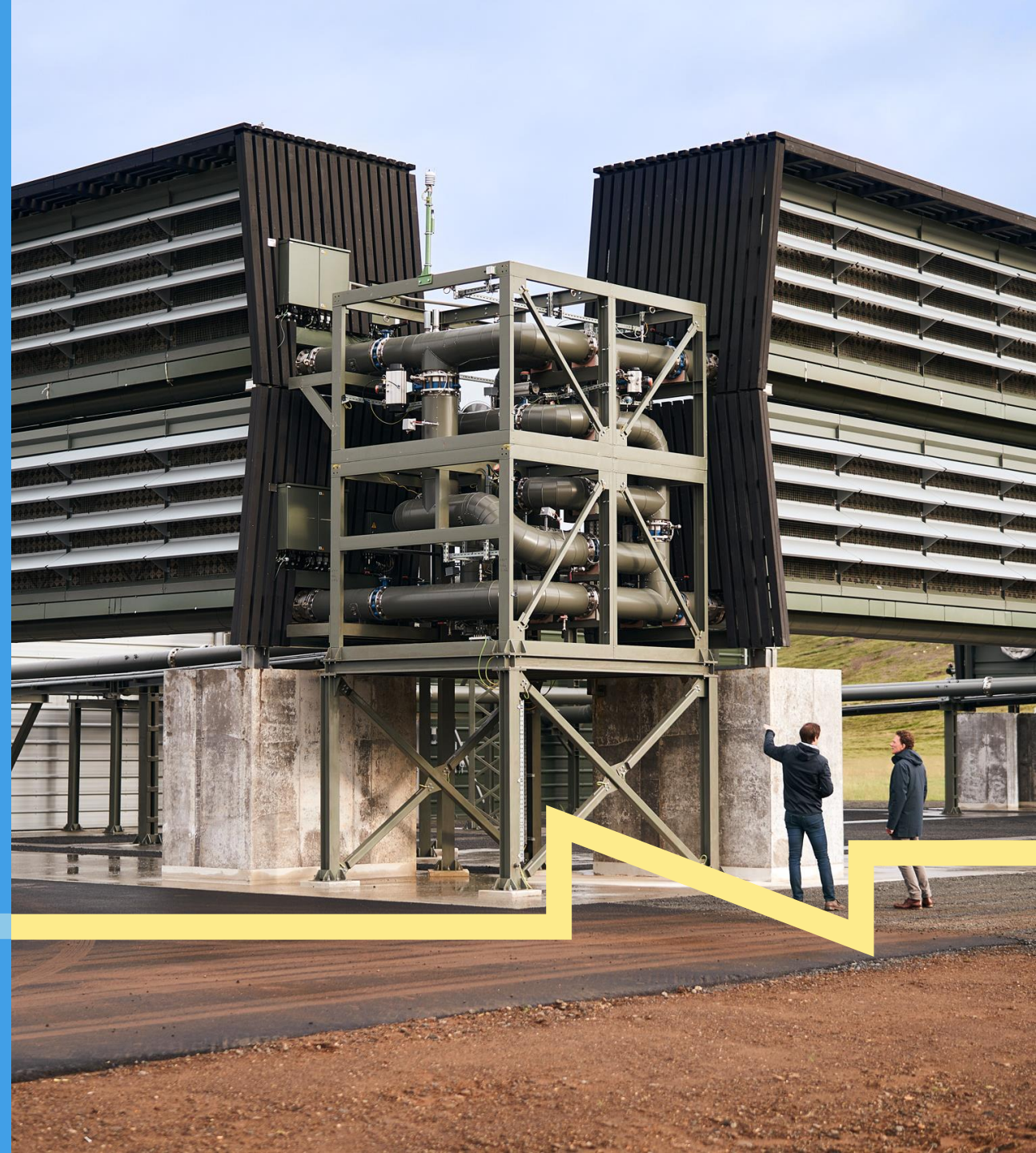


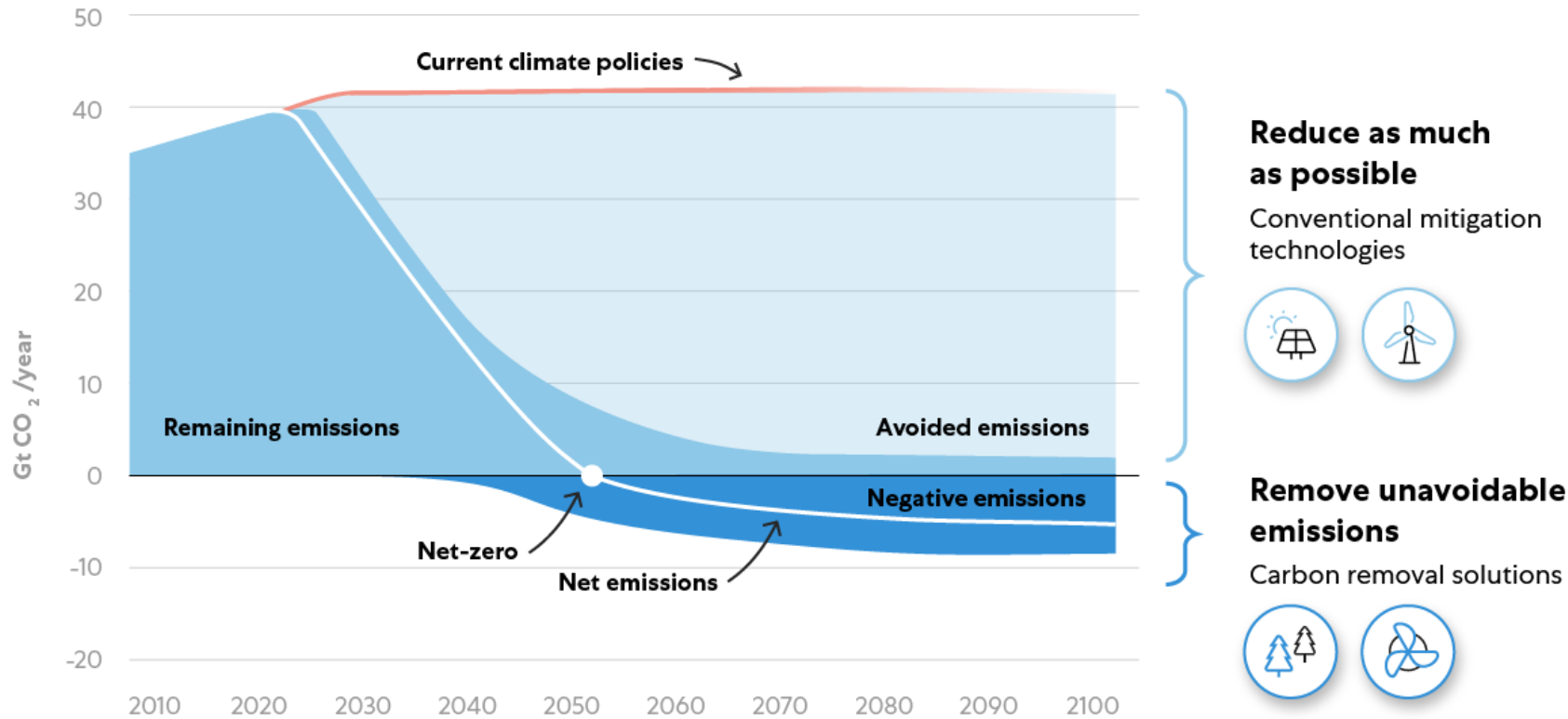


Introduction to Climeworks

High-quality carbon removal
services via Direct Air Capture

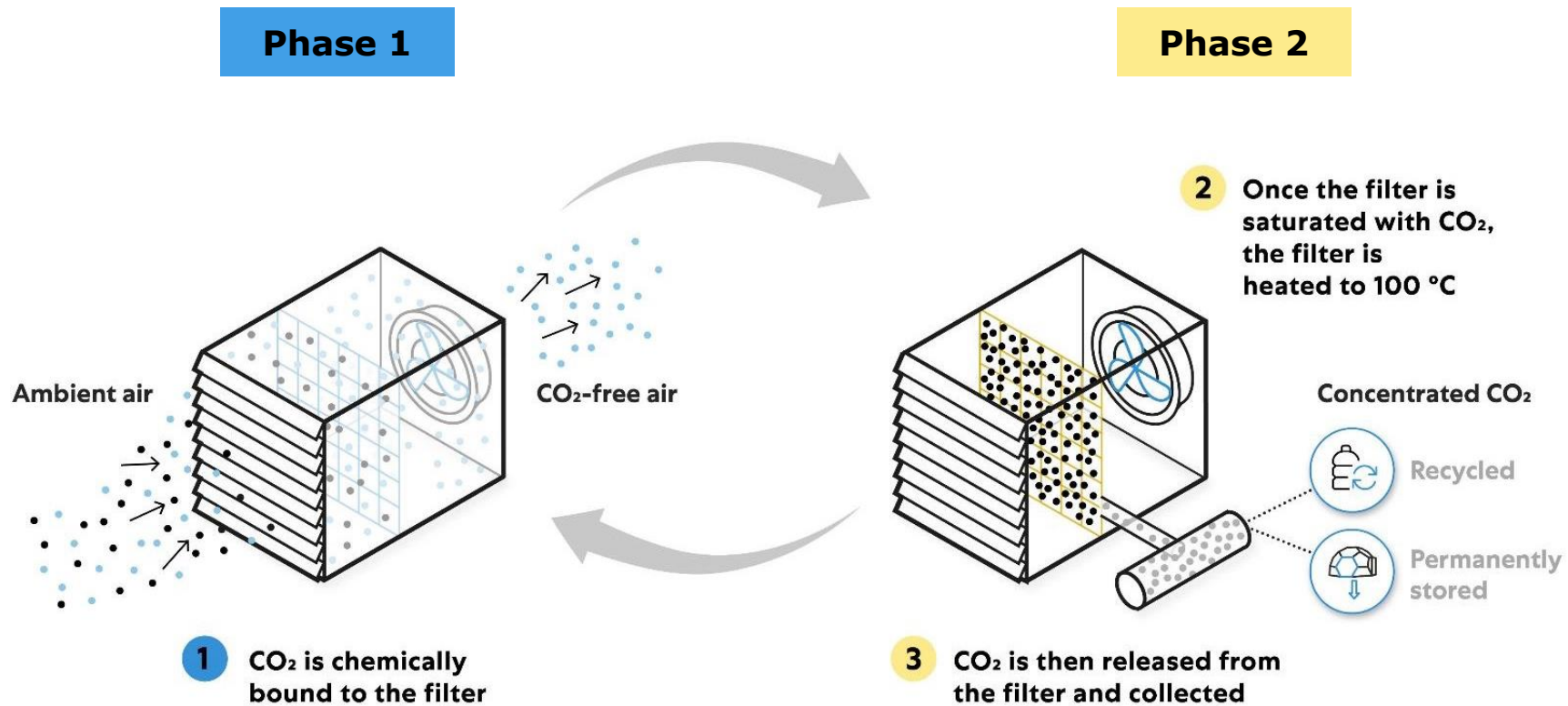


Carbon removal is needed to get to net zero



































- Based on all IPCC's scenarios, **CO₂ must be removed from the air** to keep global warming within 1.5°C.
- Corporates need to accelerate emissions reduction while starting to invest in **removals for your residual emissions.**

How our technology works



- The air is drawn with a fan into the collector where the CO₂ is captured on a **filter material**.
- The collector is then closed and the temperature increased up to 100 °C to **release the CO₂**, to be collected for storage.

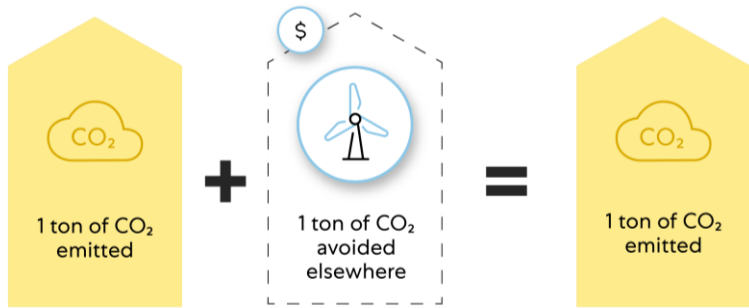
DAC+S: an effective complementary CDR solution at scale

	Area required to remove 1 Gt CO ₂ per year	Water required to remove 1 Gt CO ₂ per year	Environmental impact and resource depletion	Storage permanence	Measurability & CarbonPlan VCL (Verification Confidence Level)	Scalability
 <p>Afforestation and reforestation Large-scale tree plantations to increase carbon storage in biomass and soil.</p>	 <p>1,250,000 km² Europe = 10,500,000 km²</p>	 <p>336 km³ Yearly global freshwater withdrawal 2010 = 4,000 km³</p>	<ul style="list-style-type: none">  Biodiversity  Albedo  Food security risk  Risk of reversal 	 <p>1-100 y</p>	<p>Low VCL: NA</p>	 low
 <p>BECCS Bioenergy in combination with Carbon Capture and Storage.</p>	 <p>330,000–610,000 km²</p>	 <p>60 km³</p>	<ul style="list-style-type: none">  Biodiversity  Albedo  Food security risk  Risk of biomass loss 	 <p>10,000+ y</p>	<p>High VCL: 3-5</p>	 medium
 <p>Enhanced weathering Distribution of crushed silicate rocks on soil surfaces to absorb and bind CO₂ chemically.</p>	 <p>27,500 km²</p>	 <p>1.5 km³</p>	<ul style="list-style-type: none">  River/ ocean chemistry  Mining impacts  Air quality 	 <p>10,000+ y</p>	<p>Medium VCL: 3</p>	 medium
 <p>Direct air capture Direct capture of CO₂ from ambient air through engineered chemical reactions.</p>	 <p>33,000km²</p>	 <p>5 km³</p>	<ul style="list-style-type: none">  No significant impact 	 <p>10,000+ y</p>	<p>High VCL: 4-5</p>	 high

Net zero requires negative emissions



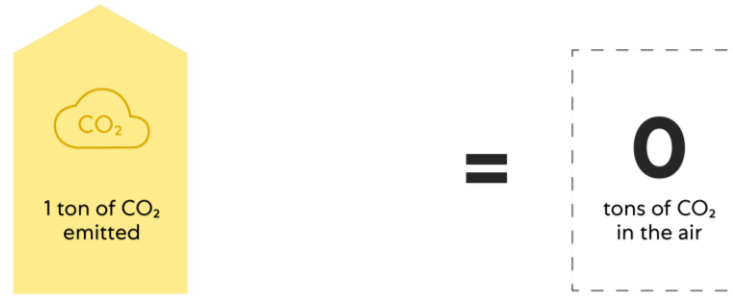
CARBON NEUTRAL



My corporate carbon emissions

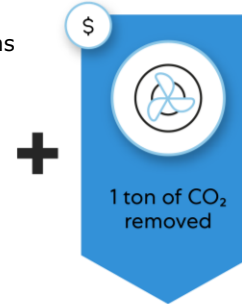
Carbon neutral

NET ZERO



My corporate carbon emissions

Net-zero carbon



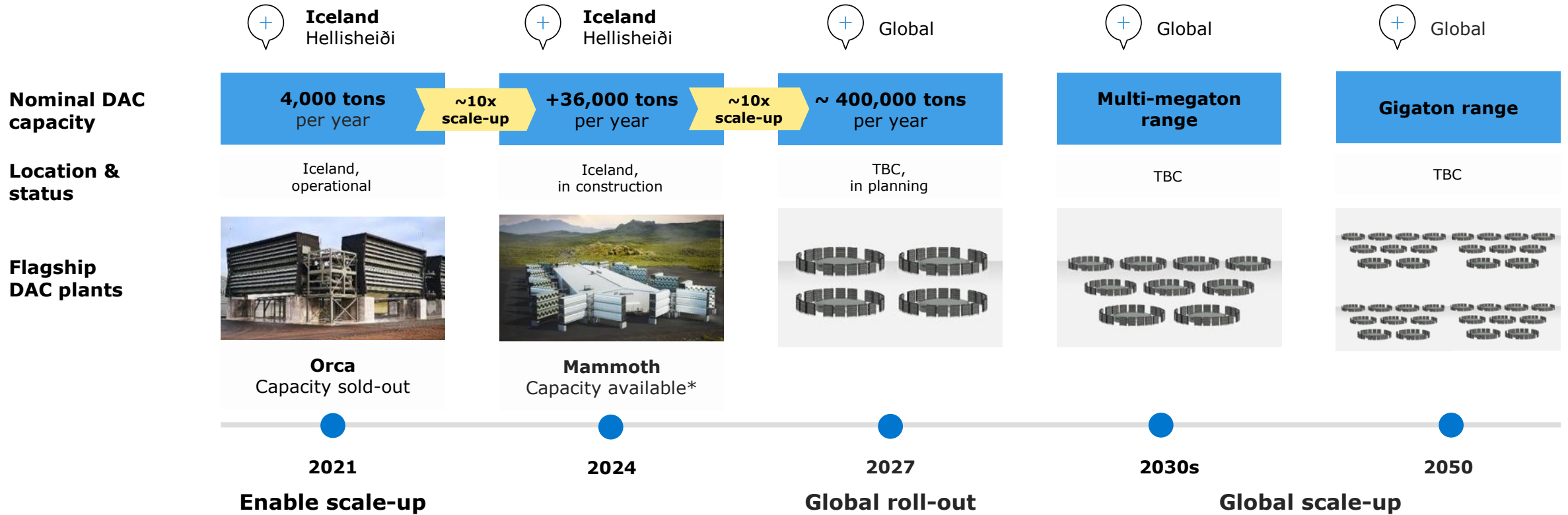
 climeworks

The current level of emission **is maintained**

The current level of emission **is reduced to zero**

- Even when avoidance offsets are well implemented, the **CO₂ emitted by your company remains.**
- Climeworks' CDR supports your effort toward **net zero** and eventually net negative.

Climeworks plans continuous DAC capacity increase



*from 2027 onwards; serves as an example and is subject to changes.

- Most advanced DAC player with real **field experience**
- World's **largest DAC+S facility** in commercial operations
- Over 120,000 hours of **operational experience** in diverse climatic conditions
- A clear strategy to **scale removal capacity** to megaton scale by 2030 and gigaton scale by 2050



Climeworks AG

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contact@climeworks.com



www.climeworks.com



Backup Slides





Our customers:



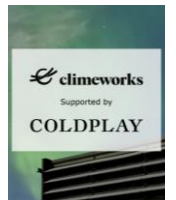
JPMORGAN CHASE & CO.



Bill Gates



Chris Larsen



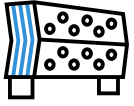
Coldplay

Climeworks' high quality carbon removal service for your climate strategy:

We remove CO₂ from the air, permanently.



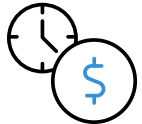
Why act now?



Secure your access today to future supply of high-quality CDR.



Be a pioneer and thought leader through impactful climate action.



Build a high-quality CDR portfolio: permanent, additional, measurable and scalable.



Lead the race toward net zero.



Climeworks offers one of the highest-quality carbon removal solutions



Permanent

CO₂ is removed from air & stored for 10,000+ years.



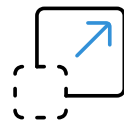
Additional

We remove net CO₂ from the atmosphere, only enabled by our customers.



Verified

First & only 3rd party [verified CDR](#) via DAC+S based on independently validated methodology.



Scalable

Low land footprint, modular technology, < 10% life cycle emissions ([LCA study](#)).