

# World's First Commercial Carbon-Sucking Plant Goes Live in Zurich

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[Carbon capture](#) is essential to the fight against [climate change](#) and keeping temperatures below a [two-degree-Celsius](#) increase, according to Swiss-based [Climeworks](#). For a few years now they've been working on [technology](#) to suck [carbon dioxide](#) (CO<sub>2</sub>) from the air and sell it to agriculture or [energy](#) industries for reuse. And now they've finally switched on the final product – the world's first Direct Air Capture (DAC) commercial plant on top of a waste recovery facility in Zurich, [Switzerland](#).



*Climeworks will capture carbon dioxide and send it to a greenhouse.*

Atop a municipal-run waste incineration facility in Zurich, Climeworks installed their DAC plant, which is comprised of three stacked [shipping containers](#) with six carbon collectors. Fans suck ambient air into the collectors, and a filter takes in CO<sub>2</sub>. [Waste heat](#) will power the groundbreaking plant. Climeworks will send the captured CO<sub>2</sub> to a [greenhouse](#) – every single year they'll be able to supply 900 metric tons. They'll be able to continuously supply the CO<sub>2</sub> to the greenhouse via an underground pipeline.

Click here to watch “Climeworks – Capturing CO<sub>2</sub> from air”: [https://youtu.be/63S0t4k\\_Glw](https://youtu.be/63S0t4k_Glw)

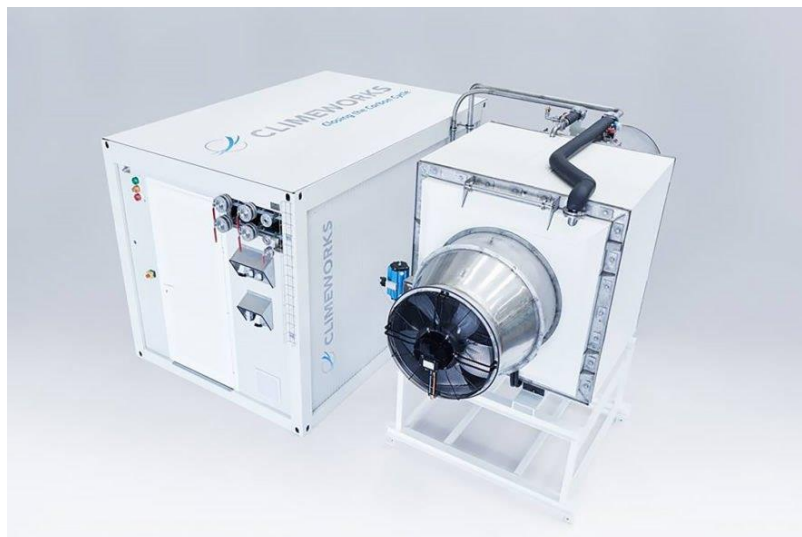
In a statement, managing director and co-founder Christoph Gebald said, “Highly scalable negative emission technologies are crucial if we are to stay below the two degree target of the international community.”



*Climeworks just unveiled the world's first commercial carbon capture plant.*

And the CO<sub>2</sub> won't go to waste. Greenhouses aren't the only entities that can utilize CO<sub>2</sub>; it could carbonate drinks or become carbon-neutral hydrocarbon fuel. The automotive and food industries could benefit from the CO<sub>2</sub> Climeworks captures.

Their ultimate goal is to capture one percent of all [carbon emissions](#) in the world by 2025. To do that, co-founder and director Jan Wurzbacher estimates they'll need to install 750,000 shipping containers filled with their CO<sub>2</sub> collectors. He says that is the same amount of shipping containers that pass through the harbor in Shanghai during a two week period, so it's a target the global economy could handle. Climeworks says their [modular](#) plants could be deployed just about anywhere.



*By 2025 Climeworks hopes to capture one percent of global carbon emissions.*