

Carbon dioxide removal cost



Overview

DAC is expensive because the concentration of CO₂ in the atmosphere is very low - only about 420 to 430 parts per million. This means a lot of energy is needed to process large volumes of air to capture each tonne of CO₂.

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[Which Carbon Removal Methods Are the Most Cost](#)

This infographic shows the weighted average price per carbon credit of selected carbon removal methods in 2023 (in \$/tCO₂e), and the evolution in

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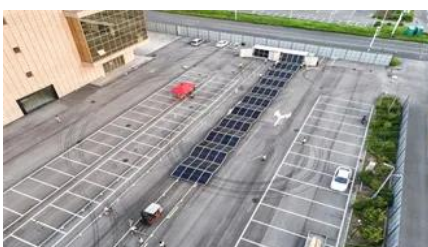


[Science to Scale: Reducing Costs in Carbon Removal , BCG](#)

Discover how companies are utilizing CDR and other technologies in their carbon removal processes in order to reduce costs and increase efficiency.

CDR cost comparison WP

We have compared various carbon-dioxide-removal (CDR) methods as to cost and scalability. The results are striking: Direct-air-capture (DAC) and related carbontech methods cost \$500 - \$1000 per



[How much do carbon removal credits cost in 2024?](#)

The average cost of carbon removal credits in 2024 is \$449 per tonne of CO₂ removed. This figure represents an average, with costs varying

significantly

[Assessment of technologies and economics for carbon dioxide](#)

Based on a literature review, carbon dioxide removal technologies were investigated in detail, to examine techno-economic parameters, global potential, area demand, technology



[Driving down the cost of carbon removal: Why](#)

Cost remains one of the most important barriers to scaling industrial carbon dioxide removal. Technologies today span a wide cost range, with large

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