

Global Direct Air Capture (DAC or DACCS) Competitive Landscape Professional Research Report 2025

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Abstracts

Market Overview

According to DIResearch's in-depth investigation and research, the global Direct Air Capture (DAC or DACCS) market size will reach Million USD in 2025 and is projected to reach Million USD by 2032, with a CAGR of % (2025-2032). Notably, the China Direct Air Capture (DAC or DACCS) market has changed rapidly in the past few years. By 2025, China's market size is expected to be Million USD, representing approximately % of the global market share.

Research Summary

Direct Air Capture (DAC), also known as Direct Air Carbon Capture and Storage (DACCS), is a technology that involves removing carbon dioxide (CO₂) directly from the atmosphere. It's a method to mitigate climate change by capturing CO₂ emissions that have already been released into the air. DAC systems use specialized equipment and chemical processes to capture CO₂ molecules from ambient air, which is then concentrated and stored underground or used in various industrial applications. This technology has the potential to play a significant role in reducing atmospheric CO₂ levels and addressing the challenges posed by global warming. While DAC holds promise, it's still a developing field with challenges related to energy consumption, scalability, and cost-effectiveness that need to be addressed for widespread implementation.

The major global manufacturers of Direct Air Capture (DAC or DACCS) include Carbon Engineering, ClimeWorks, Global Thermostat, CarbonCapture, Sustaera, AirCapture,

Mission Zero, Heirloom, etc. The global players competition landscape in this report is divided into three tiers. The first tier comprises global leading enterprises that command a substantial market share, hold a dominant industry position, possess strong competitiveness and influence, and generate significant revenue. The second tier includes companies with a notable market presence and reputation; these firms actively follow industry leaders in product, service, or technological innovation and maintain a moderate revenue scale. The third tier consists of smaller companies with limited market share and lower brand recognition, primarily focused on local markets and generating comparatively lower revenue.

This report studies the market size, price trends and future development prospects of Direct Air Capture (DAC or DACCS). Focus on analysing the market share, product portfolio, prices, sales, revenue and gross profit margin of global major manufacturers, as well as the market status and trends of different product types and applications in the global Direct Air Capture (DAC or DACCS) market. The report data covers historical data from 2020 to 2024, based year in 2025 and forecast data from 2026 to 2032.

The regions and countries in the report include North America, Europe, China, APAC (excl. China), Latin America and Middle East and Africa, covering the Direct Air Capture (DAC or DACCS) market conditions and future development trends of key regions and countries, combined with industry-related policies and the latest technological developments, analyze the development characteristics of Direct Air Capture (DAC or DACCS) industries in various regions and countries, help companies understand the development characteristics of each region, help companies formulate business strategies, and achieve the ultimate goal of the company's global development strategy.

The data sources of this report mainly include the National Bureau of Statistics, customs databases, industry associations, corporate financial reports, third-party databases, etc. Among them, macroeconomic data mainly comes from the National Bureau of Statistics, International Economic Research Organization; industry statistical data mainly come from industry associations; company data mainly comes from interviews, public information collection, third-party reliable databases, and price data mainly comes from various markets monitoring database.

Global Key Manufacturers of Direct Air Capture (DAC or DACCS) Include:

Carbon Engineering

ClimeWorks

Global Thermostat

CarbonCapture

Sustaera

AirCapture

Mission Zero

Heirloom

Direct Air Capture (DAC or DACCS) Product Segment Include:

Physical Absorption in Liquid Media

Adsorption on Solid Media

Direct Air Capture (DAC or DACCS) Product Application Include:

Carbon Removal and Negative Emissions

Carbon Storage and Utilization

Industrial Processes and Applications

Chapter Scope

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