

# Global Direct Air Capture (DAC or DACCS) Supply, Demand and Key Producers, 2023-2029

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## Abstracts

The global Direct Air Capture (DAC or DACCS) market size is expected to reach \$ million by 2029, rising at a market growth of % CAGR during the forecast period (2023-2029).

Global key players of direct air capture (DAC or DACCS) include Global Thermostat, ClimeWorks and Carbon Engineering. Among them, Carbon Engineering dominates with nearly 75% production value share, followed by Global Thermostat (16%) and ClimeWorks (6%). North America is the largest market, has a share about 89%, followed by Europe, with share 11%. Based on the product type, the Direct Air Capture (DAC or DACCS) is primarily split into Physical Absorption in Liquid Media and Adsorption on Solid Media. The leading type is Adsorption on Solid Media, with a market share over 99%.

Based on the Application, the Direct Air Capture (DAC or DACCS) is primarily split into Food and Beverage, Greenhouse, Energy, Fuel, etc. The largest segment is Energy and Fuel, accounting for over 95%.

The Direct Air Capture (DAC or DACCS) industry can be broken down into several segments, Physical Absorption in Liquid Media, Adsorption on Solid Media.

Across the Global, the major players cover Carbon Engineering, ClimeWorks, Global Thermostat, etc.

Direct air capture (DAC) is a process of capturing carbon dioxide (CO<sub>2</sub>) directly from the ambient air (as opposed to capturing from point sources, such as a cement factory or biomass power plant) and generating a concentrated stream of CO<sub>2</sub> for sequestration

or utilization.

This report studies the global Direct Air Capture (DAC or DACCS) production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for Direct Air Capture (DAC or DACCS), and provides market size (US\$ million) and Year-over-Year (YoY) Growth, considering 2022 as the base year. This report explores demand trends and competition, as well as details the characteristics of Direct Air Capture (DAC or DACCS) that contribute to its increasing demand across many markets.

Highlights and key features of the study

Global Direct Air Capture (DAC or DACCS) total production and demand, 2018-2029, (K MT)

Global Direct Air Capture (DAC or DACCS) total production value, 2018-2029, (USD Million)

Global Direct Air Capture (DAC or DACCS) production by region & country, production, value, CAGR, 2018-2029, (USD Million) & (K MT)

Global Direct Air Capture (DAC or DACCS) consumption by region & country, CAGR, 2018-2029 & (K MT)

U.S. VS China: Direct Air Capture (DAC or DACCS) domestic production, consumption, key domestic manufacturers and share

Global Direct Air Capture (DAC or DACCS) production by manufacturer, production, price, value and market share 2018-2023, (USD Million) & (K MT)

Global Direct Air Capture (DAC or DACCS) production by Type, production, value, CAGR, 2018-2029, (USD Million) & (K MT)

Global Direct Air Capture (DAC or DACCS) production by Application production, value, CAGR, 2018-2029, (USD Million) & (K MT).

This reports profiles key players in the global Direct Air Capture (DAC or DACCS) market based on the following parameters – company overview, production, value,

price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include Carbon Engineering, ClimeWorks, Global Thermostat, CarbonCapture Inc., Sustaera, Mission Zero, AirCapture LLC and Heirloom, etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals, COVID-19 and Russia-Ukraine War Influence.

Stakeholders would have ease in decision-making through various strategy matrices used in analyzing the World Direct Air Capture (DAC or DACCS) market.

#### Detailed Segmentation:

Each section contains quantitative market data including market by value (US\$ Millions), volume (production, consumption) & (K MT) and average price (US\$/MT) by manufacturer, by Type, and by Application. Data is given for the years 2018-2029 by year with 2022 as the base year, 2023 as the estimate year, and 2024-2029 as the forecast year.

#### Global Direct Air Capture (DAC or DACCS) Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

#### Global Direct Air Capture (DAC or DACCS) Market, Segmentation by Type

Physical Absorption in Liquid Media

Adsorption on Solid Media

## Global Direct Air Capture (DAC or DACCS) Market, Segmentation by Application

Food and Beverage

Greenhouse

Energy, Fuel, etc.

## Companies Profiled:

Carbon Engineering

ClimeWorks

Global Thermostat

CarbonCapture Inc.

Sustaera

Mission Zero

AirCapture LLC

Heirloom

## Key Questions Answered

1. How big is the global Direct Air Capture (DAC or DACCS) market?
2. What is the demand of the global Direct Air Capture (DAC or DACCS) market?

3. What is the year over year growth of the global Direct Air Capture (DAC or DACCS) market?
4. What is the production and production value of the global Direct Air Capture (DAC or DACCS) market?
5. Who are the key producers in the global Direct Air Capture (DAC or DACCS) market?
6. What are the growth factors driving the market demand?

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