

Global Direct Air Capture Device Supply, Demand and Key Producers, 2023-2029

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Abstracts

The global Direct Air Capture Device market size is expected to reach \$ 720.8 million by 2029, rising at a market growth of 73.5% CAGR during the forecast period (2023-2029).

Direct Air Capture Device is used to capture greenhouse gases such as carbon dioxide (CO₂) from the atmosphere to reduce atmospheric carbon emissions and combat climate change. In recent years, Direct Air Capture Device technology has attracted significant investment and commercial interest. Many companies and start-ups are working to develop and commercialise DAC technology to meet the needs of climate change response. DAC technology is constantly being improved to increase efficiency, reduce costs and increase capture efficiency. New materials and catalysts are being developed to help increase the rate at which CO₂ is adsorbed and released. Some DAC projects integrate renewable energy sources, such as solar and wind, with capture technologies to reduce energy costs and carbon emissions. This integration contributes to the sustainability of DAC. DAC technologies are seen as a key approach to achieving carbon neutrality and negative emissions targets. A number of companies and international organisations have set zero and negative emissions targets, and DAC has played a role in the achievement of these targets. A number of DAC projects are already in the large-scale testing and implementation phase. These projects plan to build equipment to enable large-scale CO₂ capture and storage in the coming years.

Direct Air Capture Device is a technology used to remove carbon dioxide (CO₂) directly from the atmosphere. It is a type of carbon capture and storage (CCS) technology that aims to reduce the concentration of CO₂ in the atmosphere, thus mitigating climate change and its associated impacts.

This report studies the global Direct Air Capture Device production, demand, key

manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for Direct Air Capture Device, 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 Device that contribute to its increasing demand across many markets.

Highlights and key features of the study

Global Direct Air Capture Device total production and demand, 2018-2029, (K Units)

Global Direct Air Capture Device total production value, 2018-2029, (USD Million)

Global Direct Air Capture Device production by region & country, production, value, CAGR, 2018-2029, (USD Million) & (K Units)

Global Direct Air Capture Device consumption by region & country, CAGR, 2018-2029 & (K Units)

U.S. VS China: Direct Air Capture Device domestic production, consumption, key domestic manufacturers and share

Global Direct Air Capture Device production by manufacturer, production, price, value and market share 2018-2023, (USD Million) & (K Units)

Global Direct Air Capture Device production by Type, production, value, CAGR, 2018-2029, (USD Million) & (K Units)

Global Direct Air Capture Device production by Application production, value, CAGR, 2018-2029, (USD Million) & (K Units).

This reports profiles key players in the global Direct Air Capture Device 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 CarbonCapture Inc., Carbon Engineering, Global Thermostat, ClimeWorks, Mission Zero, Sustaera, Heirloom, AirCapture LLC and Carbfix, etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals.

Stakeholders would have ease in decision-making through various strategy matrices used in analyzing the World Direct Air Capture Device market.

Detailed Segmentation:

Each section contains quantitative market data including market by value (US\$ Millions), volume (production, consumption) & (K Units) and average price (US\$/Unit) 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 Device Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

Global Direct Air Capture Device Market, Segmentation by Type

Liquid Adsorption

Solid Adsorption

Global Direct Air Capture Device Market, Segmentation by Application

Food and Beverage

Greenhouse

Energy, Fuel, etc.

Companies Profiled:

CarbonCapture Inc.

Carbon Engineering

Global Thermostat

ClimeWorks

Mission Zero

Sustaera

Heirloom

AirCapture LLC

Carbfix

Key Questions Answered

1. How big is the global Direct Air Capture Device market?
2. What is the demand of the global Direct Air Capture Device market?
3. What is the year over year growth of the global Direct Air Capture Device market?
4. What is the production and production value of the global Direct Air Capture Device

market?

5. Who are the key producers in the global Direct Air Capture Device market?

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