

The Carbon Capture & Storage (CCS) Market 2013-2023

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Abstracts

The Carbon Capture & Storage (CCS) Market 2013-2023 report will look into the opportunities that this market offers and its application to various industries that emit CO₂ besides large power plants, and examines various government policies and initiatives that are stimulating industries to implement clean or low carbon technologies by adopting carbon capture and storage technologies. Among those policies considered are carbon tax, prospects of carbon emission trading schemes (ETS), direct funding for carbon capture and storage and other awards for innovations.

Visiongain has determined that the value of the global Carbon Capture & Storage market in 2013 will be \$7.78bn.

What makes this report unique?

Visiongain consulted widely with industry experts and full transcripts from these exclusive interviews are included in the report. As such, our reports have a unique blend of primary and secondary sources providing informed opinion. The report provides insight into key drivers and restraints behind project developments, as well as identifying leading companies. The report also provides a unique blend of qualitative analysis combined with extensive quantitative data including global, submarket and national markets forecasts from 2013-2023 - all highlighting key business opportunities.

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233 pages of comprehensive analysis

4 exclusive visiongain interviews with experts from-

The University of Edinburgh

Archer Daniels Midlands (ADM)

CCS TLM and Charles Russell LLP

Mott MacDonald

214 tables, charts, and graphs

A global carbon capture & storage market forecast between 2013-2023

3 carbon capture & storage submarket forecasts from 2013-2023

CO2 Capture

CO2 Transmission

CO2 Storage

9 national carbon capture & storage market forecasts between 2013-2023 and
overviews of 13 other national markets in the rest of the world:

Australia

Brazil

China

Canada

Netherlands

Norway

UAE

UK

US

The Rest of the World (ROW)

A PEST analysis

23 leading companies identified and profiled -

Air Liquide

Air Products & Chemicals Inc.

Alstom

Babcock & Wilcox

Baker Hughes

E.ON AG

Enel S.p.A

Fluor Corporation

General Electric

Halliburton

HTC Pureenergy

Kinder Morgan

Linde AG

Mitsubishi Heavy Industries

National Grid

Petrofac

Praxair Inc.

RWE AG

SaskPower

Schlumberger

Scottish & Southern Energy

Southern Company

Vattenfall

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COMPANIES LISTED

2Co Energy

Abu Dhabi National Oil Company (ADNOC)

AFC Energy

Agrium Inc.

Air Liquide

Air Liquide Process & Construction, Inc.

Air Products & Chemicals Inc.

Akema

Aker Clean Carbon

Alabama Power

Allied Resource Corporation

Allied Syngas Corporation

Alstom

Alstom UK

AltaGas Canada

Ameren Energy Resources Company

American Electric Power (AEP)

Anadarko Petroleum Corporation

Anglo American

Apache Corporation

ArcelorMittal

Archer Daniels Midland (ADM) Company

Arkema

Arup
AspenTech
Ayrshire Power
Babcock & Wilcox
Babcock & Wilcox
Babcock & Wilcox Canada
Babcock & Wilcox mPower, Inc.
Babcock & Wilcox Nuclear Energy, Inc.
Babcock & Wilcox Nuclear Operations Group, Inc.
Babcock & Wilcox Power Generation Group
Babcock & Wilcox Power Generation Group, Inc.
Babcock & Wilcox Technical Services Group, Inc.
Baker Hughes
BASF
Bechtel
BHP Billiton
BOC Industrial Gases UK
Bow City Power Ltd.
BP
Bulgarian Energy Holding (BEH)
C.Gen Group
C12 Energy
C6 Resources
Cambridge Carbon Capture
Capital Power Corporation
Capture Power Ltd.
Carbon Capture Corporation
CCS TLM Ltd.
CEMEX Inc.
Cenovus Energy
Centrica Plc.
CEPAC
Chaparral Energy Inc.
Charles Russell
Chevron Australia
Chevron Corporation
China Datang Corporation
China Huaneng Group
China National Petroleum Corporation (CNPC)

Chubu Electric Power
Ciuden
Cleantech Group
CO2DeepStore Ltd.
ConocoPhillips
Consol Energy
Coolimba Power Pty Ltd.
Core Energy
CPS Energy
CS Energy
CVR Energy Inc.
Daewoo Shipbuilding and Marine Engineering (DSME)
Denbury Onshore LLC,
Denbury Resources Inc.
Devon Energy Corporation
DKRW Advanced Fuels LLC.
DONG Energy
Dongguan Power Fuel Co. Ltd.
Dongguan Taiyangzhou Power Corporation
Doosan Babcock
Doosan Industrial Co.Ltd.
Doosan Power Systems
Dow Chemical Corporation
Drax Power
Dresser-Rand Group
E.ON AG
E.ON Kraftwerke GmbH
EDF Energy
El Paso Pipeline Partners, L.P. (EPB)
Emirates Aluminium (EMAL)
Emirates Steel Industries (ESI)
EnBW AG
Enbridge Inc.
Endesa
Enel S.p.A.
Energen Resources Corporation
Enhance Energy Inc.
Enhanced Hydrocarbon Recovery (EHR)
Eni

Enmax
ERORA Group
Eskom
Essent
ExxonMobil
Fairfield Energy
Fasken Oil & Ranch Ltd.
Fluor Corporation
Foster Wheeler
FuelCell Energy, Inc.
FutureGen Alliance
Gassnova SF
GDF Suez
GDF Suez E&P Norge AS
GE Energy
General Electric (GE)
GeoGreen
Getica CCS Project Company
GPC Quimica
Great Northern Power Development
GreenGen
GreenHydrogen
Halliburton Petrofac
Hess Corporation
Hess Norge
Hitachi
HTC Pureenergy
HuaNeng Group
HuaNeng IGCC Company Limited
IHI Corporation
International Power Plc
Inventys Thermal Technologies
Japan CCS Company
Japan Oil
Japan Oil, Gas and Metals National Corporation (JOGMEC)
Japan Vietnam Petroleum Co., Ltd (JVPC)
J-POWER
Kansai Electric Power Co., Inc.
KBR

Kinder Morgan
Kinder Morgan CO2 Company, L.P.
Kinder Morgan Energy Partners, L.P. (KMP)
Kinder Morgan Inc. (KMI)
Kinder Morgan Management, LLC (KMR)
Kingsland Energy Corporation
Koch Industries
Koch Nitrogen Company
Korea Electric Power Corporation (KEPCO)
Kuwait Petroleum Corporation
Leucadia Energy LLC.
Leucadia National Corporation
Lianyungang Clean Energy Innovation Industrial Park Ltd.
Linde AG
Liquid Logistics Shipping Concept
Lurgi GmbH
Maasvlakte CCS Project C.V.
Maersk
Maersk Tankers
Marathon Oil
Masdar
Medicine Bow Fuel and Power LLC
Merit Energy Company
Mississippi Power
Mitsubishi Heavy Industries Ltd.
National Grid Plc.
National Thermal Power Corporation (NTPC)
Neill and Gunter Ltd
New York Stock Exchange
Ningdong Energy Chemical Industry Base
Norsk Hydro
North Dakota Gasification Co.
North West Upgrading Inc.
Npower
Nuon-Vattenfall
Occidental Petroleum Corporation
Organic Carbon Dioxide for Assimilation of Plants (OCAP)
Osaka Gas
Peabody Energy

Peel Energy
Pemex
Petoro AS
Petro SA
Petro Source
PetroCanada
Petrofac
Petroleo Brasileiro S.A. (Petrobras)
PETRONAS
Petrovietnam
PGE Elektrownia Beżchatow S.A. (PGE EBSA)
Praxair Inc.
Premier Oil
Progressive Energy LTD
Ravensdown
Rentech
Rio Tinto
Royal Dutch Shell
RWE AG
Sandridge Energy
Santos
Sargas
Saskatchewan Power Corporation
Saskatoon Light & Power
Sasol
Saudi Aramco
Schlumberger
Scottish & Southern Energy Plc.
ScottishPower
SCS Energy LLC
Senergy Alternative Energy
SEQ International BV
Shell Canada
Shell U.K. Ltd.
Shenhua Group Corporation Ltd.
Siemens
Sinopec
Sinopec Engineering Group
Sinopec Shengli Oilfield Co. Ltd.

SNC Lavalin
SNC Lavalin Group
SNC Lavalin-Cansolv
Solid Energy
Sonatrach
Southeast Regional Carbon Sequestration Partnership (SECARB)
Southern Company
Spectra Energy Inc.
Stanwell Corporation
Statoil
Stogit
Summit Power Group
Suncore
Swan Hills Synfuels
TAQA
Taweelah Asia Power Company (TAPCO)
Tel-Tek
Tenaska Energy
Tenaska Taylorville LLC.
Tenaska Trailblazer Energy Center
Tianjin DaGang Huashi Power Generation Co. Ltd (Dagang Huashi)
Tohoku Hokuriku Electric Power
Tokyo Gas
Toshiba Corporation
Total
Total E&P Norge AS
TransAlta
Trinity Pipeline
Turkish Petroleum
UK Coal
ULCOS (Ultra-Low-CO₂-Steel) Consortium
Valero Energy Corporation
Vattenfall AB
Whiting Petroleum Corporation
Wolverine Power Supply Cooperative Inc.
Woodside
Xstrata
Xstrata Coal
Yellow Wood Energy

GOVERNMENT AGENCIES AND OTHER ORGANISATIONS MENTIONED IN THIS REPORT

Alberta Department of Environment
Alberta Energy Resources Conservation Board
Australian Centre for Renewable Energy
Australian Coal Association
Bureau de Recherches Geologiques et Minieres (BGRM)
Bureau of Economic Geology at The University of Texas at Austin
Centre for Climate Change Economics and Policy
Centre for European Policy Studies
China's National Development and Reform Commission
Chinese Academy of Sciences (CAS)
Chinese National Basic Research Program
Clean Coal Task Group (CCTG)
Clean Energy Commercialization Center (CECC)
CO2 Technology Centre (TCM)
Commonwealth Scientific and Industrial Research Organisation (CSIRO)
Cooperative Research Centre for Greenhouse Gas Technologies (CO2CRC)
Council for Geosciences
Department of Energy (DOE)
Department of Energy and Climate Change (DECC)
Department of Science and Technology (DST)
Eco Energy CCS Task Force
Electric Power Research Institute (EPRI)
Energy Information Administration
Energy Resources Conservation Board (ERCB)
Environmental Protection Authority (EPA)
European Commission, Joint Research Centre (JRC) Institute for Energy
European Investment Bank (EIB)
European Union (EU)
French Petroleum Institute (IFP)
German Research Centre for Geosciences (GFZ)
Global Carbon Capture and Storage Institute Australia
Global CCS Institute
Greenpeace
Illinois State Geological Survey
International Energy Agency

International Performance Assessment Centre (IPAC-CO2)
Italian Ministry of Economy and Finance
Japan Coal Energy Center
London School of Economics and Political Science (LSE)
Montana State University
Montana State University
National Carbon Capture Centre
Natural Resources Canada
Organisation for Economic Co-operation and Development (OECD)
Petroleum Technology Research Centre (PTRC)
Scottish Carbon Capture and Storage (SCCS) Organisation
South African Centre for Carbon Capture and Storage (SACCCS)
South African National Energy Research Institute (SANERI)
The French Bureau of Geological and Mining Research (BRGM)
Thermal Power Research Institute (TPRI)
United Nations
United Nations Framework Convention on Climate Change (UNFCCC)
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University of Texas, Bureau of Economic Geology
University of Wyoming Carbon Management Institute
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