

Coal Chemical Industry Market Research (China)



Phone: +44 20 8123 2220
Fax: +44 207 900 3970
office@marketpublishers.com
<http://marketpublishers.com>

Coal Chemical Industry Market Research (China)

Date:	November 1, 2007
-------	------------------

Pages:	112
--------	-----

Price:	US\$ 2,000.00
--------	---------------

ID:	CAB008E383CEN
-----	---------------

In 2005, 232.82 million tons of coke, 8.95 million tons of calcium carbide, 25 million tons of coal-made fertilizer and about 3.5 million tons of coal-made carbinol were produced in China.

In 2006, China's output of coke, calcium carbide, coal-made fertilizer and coal-made carbinol respectively amounted to 280.54 million tons, 11.77 million tons, 28.55 million tons and 4.7 million tons, all ranking the first in the world. The development of coal chemical industry plays an important role in alleviating the supply and demand conflict of high-quality energies like petroleum and natural gas as well as in boosting the development of iron & steel industry, chemical industry, light industry and agriculture.

Since the year 2004, due to the continuously rising international price of oil and the comparatively low level of coal price, the economic features of coal chemical projects gradually emerged, stimulating the enthusiastic of the public to develop coal chemical industry in domestic coal-rich zones. In addition to the fast-growing traditional coal chemical industries including coke, calcium carbide and coal-made fertilizer industry, modern coal chemical industries involving coal-made alcohol-ether fuel and coal-made oil were also successively planned to establish.

According to the investigation of Industry Department, National Development and Reform Commission, the current under-construction chemical projects of China add up to 30 with the total investment of over RMB 80 billion. These projects will increase the following production capacity: 8.5 million tons of carbinol, 900 thousand tons of DME, 1 million tons of olefin and 1.24 million tons of kerosene. And the filed production capacity includes 34 million tons of carbinol, 3 million tons of olefin and 3 million tons of kerosene.

Against the gradually emerged Investment Fever in coal chemical industry, National Development and Reform Commission issued an announcement in Jul 2006, demanding more effort in the establishment and management of coal chemical products so as to promote the sound development of the industry. Meanwhile, related departments are also seizing the day to establish development policies and mid & long-term development plan of coal chemical industry. In this sense, China coal chemical industry is in a critical and hypersensitive period.

Coal chemical industry is newly emerged though, yet due to the severe restriction in resource and environment as well as the problems in blind development and redundant construction, there are many infinite factors and risks in its development---especially in recent years, the soaring international oil price brought about unprecedented development opportunities to coal chemical industry. Under the macro guidance of state energy policies and industry policies, all coal regions showed unprecedented enthusiasm in developing coal chemical industry, and successively established industrial development plan with related strategic decisions.

Against the background of high oil price, the performance to price ratio of coal resources has been increasingly obvious. Additionally, due to the abundant coal resources of China, numerous enterprises successively set foot in coal chemical filed. Nevertheless, being restricted in cost pressure of environmental protection as well as surplus production capacity, traditional coal chemical industry has quite finite development margin. The main bright spot of coal chemical industry lies in the new-type coal chemical development related to new energy; and the new energy direction of coal chemical industry mainly refers to coal replacing oil, which includes three routes: carbinol, DME and coal-to-oil. Considering from the maturity

of technology and application, DME enjoys the most capacious development margin because it can be widely used in traffic and other areas.

Coal-to-oil and olefin of China are still in industrialized experimental and demonstrating stage, so risks exist in technology and project; however, despite the objective condition, some people surged to plan and build coal-to-oil and olefin projects, which resulted in the immature technology and uneconomical equipments of most of current under-construction items. Furthermore, owing to the huge investment (usually several billion RMB) of the equipments, they are regarded as high-risk projects.

The 11th Five-Year Plan for China Coal Industry published in Jan 2007 suggested to orderly boost the construction of demonstration projects for coal transformation and to promote the establishment of coal-to-liquid demonstration projects, and claimed for the accomplishment of industrialized demonstration of coal-to-liquid and coal-to-olefin so as to lay a solid foundation for the industrialization development of the following decade. In the Notice of State Council to Issue the Comprehensive Energy-Saving and Emission-Reducing Scheme issued in Jun 2007, Chinese government claimed for a second time that alternative energy will be gradually developed with mid and long-term plan so as to promote the large-scale demonstration project and technical reserve for direct and indirect coal-to-liquid, coal-based alcohol ether and olefin-to-oil items. China's attitude toward coal-to-oil is "to promote technology reserve"; by sharp contrast, China will "vigorously develop" renewable energy.

Table of Content

1. OVERVIEW ON COAL CHEMICAL INDUSTRY

1.1 Brief introduction

1.1.1 Product chain

1.1.2 Coal gasification: core technology of coal chemical industry

1.1.3 Industrialized development

1.2 Significance to develop China coal chemical industry

1.2.1 To alleviate the structural conflict of energy reserves

1.2.2 To promote the effective utilization of coal resources

1.3 Status quo of China coal chemical industry

1.3.1 Coal chemical investment fever under the background of high oil price

1.3.2 Problems in current coal chemical industry

1.3.3 National efforts in strengthening coal chemical construction projects

2. DEVELOPMENT ENVIRONMENT OF CHINA COAL CHEMICAL INDUSTRY

2.1 Resource environment

2.1.1 Status quo of China's coal resources

2.1.2 Prospect of coal resource guarantee

2.1.3 Status quo and influence of water resources

2.2 Policy environment

2.2.1 The 11th Five-Year Plan attaches much importance to coal chemical industry

2.2.2 Reasonable resource utilization is the principle

2.3 Economy environment

2.3.1 China Economy to maintain rapid and stable growth during the 11th Five-Year Plan period

2.3.2 Competence of coal industry to be promoted through industrial reorganization

2.3.3 Prosperity cycle of petrochemical industry to continue in the following years

2.4 Technology environment

2.4.1 Significance of technology to coal chemical industry

2.4.2 Development and progress of domestic coal chemical technology

2.4.3 Introduction of foreign coal chemical technologies and existing problems

3. PROSPECT OF TRADITIONAL COAL CHEMICAL INDUSTRY CHAIN

- 3.1 Coal coking
 - 3.1.1 Status quo of China coking industry
 - 3.1.2 Prospect of main coking by-products
- 3.2 Calcium carbide acetylene chemical industry
 - 3.2.1 Status quo of China calcium carbide industry
 - 3.2.2 Prospect of main downstream products
 - 3.2.3 Development trend of the industry
- 3.3 Synthetic ammonia industry chain
 - 3.3.1 Status quo of China synthetic ammonia industry
 - 3.3.2 Prospect of main downstream products

4. PROSPECT OF COAL-TO-OIL INDUSTRY CHAIN

- 4.1 Overview
 - 4.1.1 International development history of coal-to-oil
 - 4.1.2 Main features of coal-to-liquid technology
 - 4.1.3 Economic features
- 4.2 Status quo of China coal-to-oil industry
 - 4.2.1 Overall trend of domestic coal-to-oil industry
 - 4.2.2 Trend of domestic indirect liquefied coal-to-oil equipments
 - 4.2.3 Trend of domestic direct liquefied coal-to-oil equipments
 - 4.2.4 Competence of coal-to-oil products
- 4.3 Analysis and forecast of China finished oil market
 - 4.3.1 Status quo of China finished oil market
 - 4.3.2 Prospect of China petroleum market

5. PROSPECT OF COAL-MADE ALCOHOL ETHER FUEL INDUSTRY CHAIN

- 5.1 Status quo of carbinol industry
 - 5.1.1 Overview of carbinol industry
 - 5.1.2 Global carbinol industry
 - 5.1.3 China carbinol industry
- 5.2 Prospect of traditional carbinol downstream application field
 - 5.2.1 Formaldehyde
 - 5.2.2 Acetic acid
 - 5.2.3 MMA
 - 5.2.4 Others
- 5.3 Prospect of coal-made alcohol ether fuel
 - 5.3.1 Overview
 - 5.3.2 Market prospect of carbinol fuel
 - 5.3.3 Market prospect of dimethyl-ether

6. PROSPECT OF COAL-TO-OLEFIN INDUSTRY CHAIN

- 6.1 Overview
 - 6.1.1 Significance of coal-to-olefin
 - 6.1.2 Overview of MTO and MTP technologies
 - 6.1.3 Economic features of coal-to-olefin
- 6.2 Analysis and forecast of China ethylene market
 - 6.2.1 Overview on global ethylene industry
 - 6.2.2 Overview on China ethylene industry
 - 6.2.3 Prospect of main ethylene ramifications
- 6.3 Analysis and forecast of China propylene market

- 6.3.1 Overview of global propylene industry
- 6.3.2 Development of China propylene industry
- 6.3.3 Prospect of main propylene ramifications

7. CONCLUSION AND SUGGESTION

- 7.1 Development trend of China coal chemical industry
 - 7.1.1 Clean coal technology is the inevitable trend
 - 7.1.2 Fine management and associated production are the development trend of the industry
 - 7.1.3 Resource and technology are the development foundation of enterprises
- 7.2 Investment of China coal chemical industry
 - 7.2.1 Entrance barriers
 - 7.2.2 Investment opportunities
 - 7.2.3 Investment risks

LIST OF TABLES AND FIGURES

Coal chemical industry chain
Development course of foreign coal gasification technologies
Energy reserve and consumption structure of China
Largely declined crude oil self-supplying ability of China, 2000-2006
Coal consumption of China, 1996-2006
Raw coal output of China, 1996-2006
Distribution of coal downstream application industries of China, 2006
Comparison in growth rate of coal production and GDP, 1997-2006
Relation of China energy consumption and GDP growth, 1997-2006
Coking output of China, 1997-2006
Trend of domestic coking price, 2003-2006
Coking export of China, 1999-2006
Downstream application of calcium carbide in China, 2006
Calcium carbide output of China, 2000-2006
Overall condition of China's PVC, 2001-2006
Production proportion of China's varied PVC raw material routes, 2006
Distribution of BDO downstream consumption of China, 2006
Synthetic ammonia output of China, 1997-2006
Classification of China's nitrogenous fertilizer products, 2006
Downstream application of carbinol in China
Distribution of China's carbinol raw materials, 2006
Newly-increased production capacity and planned carbinol projects, 2006
Distribution of acetic acid consumption of China, 2006
Ethylene output of China, 1998-2006
Ethylene equivalent consumption of China, 2000-2015 (E)
Structure of China's ethylene equivalent consumption, 2006
Distribution of China's propylene downstream consumption, 2006
Polypropylene consumption structure of China, 2006
Comparison in composition structure of coal, petroleum and natural gas
Output, import & export of crude oil and some petrochemical products, 2005-2006
Regional distribution of China's coal resources
Features and application of China's main coal varieties
Classification and proportion of China's coal
Estimated coal demand and supply of China, 2010
Concentration degree of China's coal industry, 2005-2006
Coking output and export volume of China, 2001-2006
Newly-built and planned coking production capacity of China, 2006-2008
Coal tar output and consumption of China, 2002-2006

PVC resin output and apparent consumption of China, 2000-2006
Top 10 PVC manufacturers, 2006
Expansion of China's PVC production capacity, 2007-2008
Variation in BDO production capacity of China, 2001-2008
Estimated BDO production capacity, output, import and total consumption of China, 2007-2008
Main urea fertilizer manufacturers of China, 2006
Newly-increased urea fertilizer production capacity of China, 2006
Under-construction and planned coal-to-oil equipments of China
Consumption of China's crude oil and major oil products, 2000-2006
Output of China's crude oil and major oil products, 2001-2006
Carbinol output and apparent consumption of China, 1998-2006
Main carbinol enterprises of China, 2006
Main acetic acid enterprises of China, 2006
Under-construction acetic acid production capacity of China, 2005-2008
Comparison in features of DME and other energies
LPG supply and demand of China, 2003-2006
Production capacity and output of China's ethylene equipments, 2006
Under-construction, planned and expanded ethylene projects of China after 2006
Estimated consumption and demand of China's ethylene raw materials
Supply and demand of China's coal chemical resin, 2000-2006
Glycol production capacity and supply & demand of China, 1998-2006
Newly-increased glycol production capacity of China
Supply and demand of polystyrene resin of China, 2000-2006
Supply and demand of polypropylene resin of China, 2000-2006
Under-construction and planned polypropylene projects of China, 2007-2009
Main acrylonitrile manufacturers of China and their production capacity by 2006

I would like to order:

Product name: Coal Chemical Industry Market Research (China)
Product link: <http://marketpublishers.com/r/CAB008E383CEN.html>
Product ID: CAB008E383CEN
Price: US\$ 2,000.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service: office@marketpublishers.com

Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click 'BUY NOW' button on product page <http://marketpublishers.com/r/CAB008E383CEN.html>

To pay by Wire Transfer, please, fill in your contact details in the form below:

First name:
Last name:
E-mail:
Company:
Address:
City:
Zip/Post Code:
Country:
Tel:
Fax:
Your message:

* All fields are required

Customer Signature _____

Please, note that by ordering from MarketPublisher.com you are agreeing to our Terms & Conditions at http://marketpublishers.com/docs/terms_conditions.html

To place an order via fax simply print this form, fill in the information below and fax the completed form to **+44 20 7900 3970**