

China Coal Chemical Industry Report (2016–2021), Development Prospect and Investment Strategic Planning

目 录

CONTENTS

Chapter 1: Background of investment of China's coal chemical industry

- 1.1 overview of coal chemical industry
 - 1.1.1 definition of coal chemical industry
 - 1.1.2 technology roadmap and classification of coal chemical
 - 1.1.3 characteristics of coal chemical industry
 - (1) monopoly of the industry
 - (2) fluctuation cycle of the industry
 - (3) analysis of maturity of the industry
- 1.2 analysis of background of development of China's coal chemical industry
 - 1.2.1 resources pattern of rich in coal and poor in oil and gas
 - 1.2.2 consideration of energy security
 - 1.2.3 strategic significance of development of coal chemical energy
 - 1.2.4 conditions for development of coal chemical industry
- 1.3 analysis of development of upstream coal chemical industry
 - 1.3.1 distribution of coal reserves
 - (1) distribution of coal reserves in major provinces
 - (2) China's major coal industrial bases
 - 1.3.2 analysis of production and sales of coal
 - 1.3.3 analysis of coal price trend
 - 1.3.4 forecast of development of coal industry
- 1.4 analysis of characteristics of investment of coal chemical industry
 - 1.4.1 analysis of entry barriers of the industry
 - (1) resources barrier
 - (2) barrier of scale economy
 - (3) barrier of national policy and industrial layout
 - (4) barrier of environmental protection
 - 1.4.2 analysis of life cycle of the industry
 - 1.4.3 analysis of structure of investment of the industry
- 1.5 management model of large new coal chemical project
 - 1.5.1 traditional project management model
 - 1.5.2 universal management model of petrochemical project in developed countries
 - 1.5.3 project management model of "IPMT + EPC + Project Management"
 - 1.5.4 management model of "IPMT + EPC + Supervision"

Chapter 2: Analysis of development environment of China's coal chemical industry

- 2.1 analysis of policy environment of the industry
 - 2.1.1 evolution of related policy of coal chemical industry
 - 2.1.2 "twelfth-five year" plan of coal industry
 - 2.1.3 prediction of policy trends of coal chemical industry
- 2.2 analysis of economic environment of the industry
 - 2.2.1 analysis of the international macro economic environment
 - (1) status quo of the international macro economy
 - (2) prediction of the international macro economy
 - 2.2.2 analysis of the domestic macro economic environment
 - (1) status quo of the domestic macro economy
 - (2) prediction of the domestic macro economy
 - 2.2.3 price trend of crude oil and forecast
 - 2.2.4 impact of economic trend on the industry
- 2.3 analysis of technical equipment environment of the industry
 - 2.3.1 analysis of technical development of coal chemical industry

- (1) development process of technology of coal chemical industry
- (2) ten industrial system technologies of coal chemical
- (3) three new kinds of coal chemical technology
- (4) coal gasification polygeneration technology
- (5) development trends of technology of coal chemical industry
- 2.3.2 analysis of development of coal chemical technology and equipment
 - (1) status quo of China's coal chemical equipment technology
 - (2) gap with the international coal chemical equipment

Chapter 3: Analysis of status quo of development of China's coal chemical industry

3.1 analysis of development of the world's coal chemical industry

- 3.1.1 overview of development of the world's coal chemical industry
 - (1) development of coal chemical industry in South Africa
 - (2) development of coal chemical industry in America
 - (3) development of coal chemical industry in Japan
 - (4) development of coal chemical industry in EU
- 3.1.2 competition of the world's coal chemical industry
- 3.1.3 development trends of the world's coal chemical industry

3.2 summary of development of China's coal chemical industry

- 3.2.1 overview of development of China's coal chemical industry
- 3.2.2 retrospect of development of China's coal chemical industry
- 3.2.3 operation of China's coal chemical industry
- 3.2.4 constraints of development of China's coal chemical industry

3.3 analysis of development of China's traditional coal chemical industry

- 3.3.1 status quo of development of traditional coal chemical industry
- 3.3.2 main characteristics of traditional coal chemical industry
- 3.3.3 problems facing traditional coal chemical industry
- 3.3.4 development direction of traditional coal chemical industry

3.4 analysis of development of China's new coal chemical industry

- 3.4.1 main characteristics of new coal chemical industry
- 3.4.2 analysis of economy of new coal chemical industry
- 3.4.3 analysis of status quo of development of new coal chemical industry
- 3.4.4 analysis of market demand for new coal chemical products
- 3.4.5 analysis of competitive advantages of new coal chemical industry
- 3.4.6 development direction of products of new coal chemical industry
- 3.4.7 latest approved new coal chemical projects

3.5 analysis of foreign and domestic development model of coal chemical industry

- 3.5.1 foreign development model of coal chemical
 - (1) South Africa's SasolF-T synthesis mode
 - (2) New Zealand's Methanex mode
 - (3) German Lurgi company's GTC-MTP mode
 - (4) Shell Syngas Park mode
 - (5) mode of coal, chemical and metallurgy polygeneration
- 3.5.2 domestic development model of coal chemical
 - (1) mode of coal, chemical polygeneration in Pingmei Shenma
 - (2) mode of coal liquefaction (indirect, direct) and chemical multi-generation in Shenhua
 - (3) mode of coal - coke - methanol - olefins - chemical polygeneration in Kailuan

3.6 analysis of competition trend of China's coal chemical industry

- 3.6.1 competition between coal chemical and petrochemical
 - (1) competition in the field of fuel
 - (2) competition in the field of chemical raw materials
 - (3) comparison of raw materials and cost of products
- 3.6.2 analysis of internal competition of coal chemical industry
 - (1) classification of coal chemical development enterprises
 - (2) analysis of foreign companies' competition in China
 - (3) overall competitive trend of coal chemical industry

Chapter 4: Analysis of development of China's coal chemical industry in key regions

4.1 Inner Mongolia

- 4.1.1 development environment and policy of coal chemical industry
- 4.1.2 analysis of status quo of development of coal chemical industry

- 4.1.3 analysis of development of coal chemical industry base
 - (1) large coal chemical industry base in the eastern
 - (2) Ordos and Baotou coal chemical cases in the central
 - (3) heavy chemical industrial zone with Wuhai as the center in the west
- 4.1.4 comparative advantages to develop coal chemical industry
- 4.1.5 analysis of development of major new coal chemical industry areas
 - (1) analysis of coal chemical industry in Erdos
 - (2) analysis of coal chemical industry in Zhungeer
 - (3) analysis of coal chemical industry in Chifeng
 - (4) analysis of new coal chemical industry in Hulunbeier
 - (5) analysis of coal chemical industry in Tongliao
- 4.1.6 development direction of new coal chemical industry

4.2 Xinjiang

- 4.2.1 development environment and policy of coal chemical industry
- 4.2.2 analysis of status quo of development of coal chemical industry
- 4.2.3 development planning of coal chemical industry
- 4.2.4 advantages and disadvantages of development of coal chemical industry
 - (1) advantages of development of coal chemical industry
 - (2) disadvantages of development of coal chemical industry

4.3 Shanxi

- 4.3.1 development environment and policy of coal chemical industry
- 4.3.2 analysis of status quo of development of coal chemical industry
 - (1) industrial scale
 - (2) regional distribution
 - (3) ability to innovate
 - (4) technical equipment
 - (5) coal fusion
- 4.3.3 development trends and forecast of coal chemical industry
- 4.3.4 development direction and focus of coal chemical industry
 - (1) development goals
 - (2) development priorities
 - (3) planning and layout

4.4 Shaanxi

- 4.4.1 development environment and policy of coal chemical industry
- 4.4.2 analysis of status quo of development of coal chemical industry
- 4.4.3 SWOT analysis of development of coal chemical industry
 - (1) advantages of development of coal chemical industry
 - (2) disadvantages of development of coal chemical industry
 - (3) opportunities of development of coal chemical industry
 - (4) threats of development of coal chemical industry
- 4.4.4 analysis of development direction and focus of coal chemical industry

4.5 other regions

Chapter 5: Analysis of development of subdivided areas of China's traditional coal chemical industry

5.1 analysis of development of coking industry

- 5.1.1 development of coking industry
- 5.1.2 operation of coking industry
 - (1) analysis of operation efficiency of coking industry
 - (2) analysis of profitability capability of coking industry
 - (3) analysis of operation capability of coking industry
 - (4) analysis of solvency capability of coking industry
 - (5) analysis of development capability of coking industry
- 5.1.3 analysis of major product markets of coking industry
 - (1) analysis of coke market
 - (2) analysis of coal tar market
 - (3) analysis of benzene market
 - (4) analysis of coke oven gas market
- 5.1.4 main factors influencing the development of coking
- 5.1.5 prediction of development prospects of coking market

5.2 analysis of development of coal stone industry

5.2.1 overview of the development of coal stone industry

- (1) analysis of scale of calcium carbide industry
- (2) analysis of demand of calcium carbide industry
- (3) analysis of future supply and demand of calcium carbide
- (4) development prospects of main downstream products of calcium carbide
 - 1) calcium carbide process PVC
 - 2) calcium carbide process 1,4-butanediol (BDO)
 - 3) calcium carbide process polyvinyl alcohol (PVA)
- (5) development direction of calcium carbide acetylene chemical industry

5.3 analysis of development of coal to ammonia industry

- 5.3.1 status quo of development of China's ammonia synthesis industry
- 5.3.2 analysis of scale of ammonia synthesis industry
- 5.3.3 production of ammonia synthesis industry
- 5.3.4 demand of ammonia synthesis industry
- 5.3.5 analysis of status quo of technology of ammonia synthesis from coal
- 5.3.6 development of major downstream products of ammonia synthesis and prospects
 - (1) analysis of urea market
 - (2) analysis of nitric acid and ammonium nitrate market

Chapter 6: Analysis of development of China's coal to alcohol fuel industry

6.1 analysis of development of the global coal to methanol market

- 6.1.1 analysis of development of the global methanol market
- 6.1.2 supply and demand conditions of China's methanol market
- 6.1.3 comparison of main production processes with coal
- 6.1.4 analysis of progress of coal-to-methanol technology
- 6.1.5 construction of coal-to-methanol project
- 6.1.6 analysis of development prospects of coal to methanol

6.2 analysis of development of coal-to-dimethyl ether

- 6.2.1 analysis of development of DME market
- 6.2.2 progress of coal to DME technology
- 6.2.3 economy of coal to DME
- 6.2.4 development prospects of coal to DME

6.3 analysis of development of coal-based fuel ethanol

- 6.3.1 analysis of applications of fuel ethanol
- 6.3.2 analysis of development of the global fuel ethanol
- 6.3.3 analysis of development of China's fuel ethanol
 - (1) fuel ethanol production
 - (2) market potential of fuel ethanol
- 6.3.4 analysis of progress of coal-to-ethanol technology
- 6.3.5 development prospects of coal-to-ethanol industry

Chapter 7: Analysis of development of China's coal to liquid industry

7.1 development of foreign coal to liquid industry

7.2 development of domestic coal to liquid industry

- 7.2.1 analysis of China's crude oil demand gap
- 7.2.2 analysis of economic competitiveness of coal to liquid
- 7.2.3 overview of development of domestic coal to liquid industry
- 7.2.4 main characteristics of coal liquefaction technology
- 7.2.5 status quo of development of China's coal-to-oil technology
- 7.2.6 operation of coal to liquid demonstration project

7.3 development prospects of China's coal to liquid industry

- 7.3.1 analysis of investment opportunities of China's coal to liquid industry
- 7.3.2 forecast of development of China's coal to liquid industry

Chapter 8: Analysis of development of China's coal to natural gas industry

8.1 development of natural gas market

- 8.1.1 China's primary energy consumption structure
- 8.1.2 analysis of China's natural gas reserves
- 8.1.3 analysis of China's natural gas supply and demand balance
 - (1) China's natural gas consumption
 - (2) supply of China's natural gas

- (3) China's natural gas supply and demand gap
- 8.1.4 China's natural gas price formation mechanism
 - (1) natural gas price management agency
 - (2) natural gas pricing method
 - (3) main problems of China's natural gas pricing system

8.2 development of coal to natural gas

- 8.2.1 status quo of coal to natural gas technology
 - (1) process of coal to natural gas
 - (2) comparison of quality of coal to natural gas
 - (3) considerations of coal gasification technology
 - (4) core technology of coal to natural gas
 - (5) analysis of new technology of coal to natural gas
- 8.2.2 analysis of economic competitiveness of coal to natural gas
- 8.2.3 analysis of energy efficiency of coal to natural gas
 - (1) analysis of energy consumption
 - (2) analysis of water consumption
 - (3) analysis of carbon dioxide emissions
- 8.2.4 analysis of construction of coal-to-natural gas project
- 8.2.5 operation of coal to natural gas demonstration project
- 8.2.6 analysis of development potential of coal-to-natural gas industry

Chapter 9: Analysis of development of China's other new coal chemical industry

9.1 analysis of development of coal-to-olefin

- 9.1.1 analysis of supply and demand of China's olefin market
- 9.1.2 analysis of progress of coal-to-olefin technology
- 9.1.3 economy and competitiveness of coal-to-olefin
- 9.1.4 operation of coal-to-olefin demonstration project
- 9.1.5 coal-to-olefin projects under construction and planning
- 9.1.6 analysis of development potential of coal-to-olefin market

9.2 analysis of development of coal to glycol

- 9.2.1 analysis of China's glycol market gap
- 9.2.2 production technology and economy of glycol
- 9.2.3 analysis of progress of coal to glycol technology
- 9.2.4 progress of coal to glycol project
- 9.2.5 analysis of development potential of coal to glycol

9.3 development of clean coal

- 9.3.1 status quo of development of clean coal technology at home and abroad
- 9.3.2 market prospects of applications of clean coal gasification technology

Chapter 10: Analysis of key enterprises of China's coal chemical industry

10.1 analysis of overall development of China's coal chemical industry

- 10.1.1 overview of the overall development of coal chemical industry enterprises
- 10.1.2 scale of coal chemical industry enterprises
- 10.1.3 industrial output of coal chemical industry
- 10.1.4 sales revenue and profit of coal chemical industry

10.2 case study of enterprises of China's coal chemical industry

10.2.1 Shanxi Jiaohua Co., Ltd.

- (1) brief introduction of the company's development
- (2) analysis of the company's major economic indicators
- (3) analysis of the company's profitability capability
- (4) analysis of the company's operation capability
- (5) analysis of the company's solvency capability
- (6) analysis of the company's development capability
- (7) analysis of the company's organizational structure
- (8) analysis of the company's product structure and new product developments
- (9) analysis of the company's sales channels and network
- (10) analysis of advantages and disadvantages of the company's operation

10.2.2 Shandong Hualu Hengsheng Chemical Co., Ltd.

- (1) brief introduction of the company's development
- (2) analysis of the company's major economic indicators
- (3) analysis of the company's profitability capability

- (4) analysis of the company's operation capability
- (5) analysis of the company's solvency capability
- (6) analysis of the company's development capability
- (7) analysis of the company's organizational structure
- (8) analysis of the company's product structure and new product developments
- (9) analysis of the company's sales channels and network
- (10) analysis of advantages and disadvantages of the company's operation
- (11) analysis of investment, merger and restructuring of the company
- (12) analysis of the company's latest development trend

10.2.3 Shanxi Lanhua Sci-tech Venture Co.,Ltd.

- (1) brief introduction of the company's development
- (2) analysis of the company's major economic indicators
- (3) analysis of the company's profitability capability
- (4) analysis of the company's operation capability
- (5) analysis of the company's solvency capability
- (6) analysis of the company's development capability
- (7) analysis of the company's organizational structure
- (8) analysis of the company's product structure and new product developments
- (9) analysis of the company's sales channels and network
- (10) analysis of the company's technical innovation and environmental protection
- (11) analysis of advantages and disadvantages of the company's operation
- (12) analysis of the company's latest development trend

10.2.4 Yunnan Yunwei Co.,Ltd.

- (1) brief introduction of the company's development
- (2) analysis of the company's major economic indicators
- (3) analysis of the company's profitability capability
- (4) analysis of the company's operation capability
- (5) analysis of the company's solvency capability
- (6) analysis of the company's development capability
- (7) analysis of the company's organizational structure
- (8) analysis of the company's product structure and new product developments
- (9) analysis of the company's sales channels and network
- (10) analysis of advantages and disadvantages of the company's operation
- (11) analysis of investment, merger and restructuring of the company

10.2.5 Taiyuan Coal Gasification Co., Ltd.

- (1) brief introduction of the company's development
- (2) analysis of the company's major economic indicators
- (3) analysis of the company's profitability capability
- (4) analysis of the company's operation capability
- (5) analysis of the company's solvency capability
- (6) analysis of the company's development capability
- (7) analysis of the company's organizational structure
- (8) analysis of the company's product structure and new product developments
- (9) analysis of the company's sales channels and network
- (10) analysis of advantages and disadvantages of the company's operation
- (11) analysis of investment, merger and restructuring of the company

there are another 25 enterprises

Chapter 11: Analysis of development trends of China's coal chemical industry and forecast

11.1 analysis of development trends of coal chemical industry

11.1.1 analysis of policy trend

11.1.2 analysis of cost and price trend

- (1) analysis of development of coal gasification
- (2) analysis of development of coal liquefaction

11.1.3 analysis of development trends of products

- (1) development trends of coal gasification
- (2) analysis of development trends of coal to oil

11.1.4 analysis of supply and demand trends of coal chemical industry

- (1) supply trend
- (2) demand trend

11.2 analysis of development prospects of coal chemical industry**11.2.1 three challenges facing the traditional coal chemical industry****11.2.2 development prospects of new coal chemical industry**

- (1) policy will boost new coal chemical industry
- (2) the need to improve the structure of China's energy supply and demand
- (3) the conditions for industrialization of coal chemical industry are ready
- (4) in favor of the development of the western economy and ease tensions in eastern energy land

11.3 analysis of risks of China's coal chemical industry and investment advice**11.3.1 analysis of risks of investment of coal chemical industry**

- (1) cost risk
- (2) technical risk
- (3) resources risk
- (4) logistics risk
- (5) operation risk
- (6) risk of environmental protection

11.3.2 Qianzhan's investment advice for coal chemical industry**Chapter 12: Analysis of risks and opportunities of credit extension of China's coal chemical industry****12.1 analysis of environmental risk and prompt****12.1.1 impact of the international environment on the industry and risk prompt****12.1.2 impact of the macro environment on the industry and risk prompt****12.1.3 monetary policy of the Central Bank and banking regulation****12.2 analysis of industrial policy and prompt****12.2.1 impact of industrial policy and risk prompt****12.2.2 impact of environmental protection policy and risk prompt****12.2.3 impact of energy saving and emission reduction policy and risk prompt****12.2.4 impact of energy planning and risk prompt****12.3 risk of industrial market and prompt****12.3.1 risk prompt of market supply and demand****12.3.2 risk prompt of market price****12.3.3 risk prompt of industrial competition****12.4 credit opportunity of the industry and suggestions****12.4.1 overall credit opportunity and credit suggestions****12.4.2 credit opportunity of sub-industries and credit suggestions****(1) credit opportunity of traditional coal chemical industry and suggestions****(2) credit opportunity of new coal chemical industry and suggestions****12.5 regional credit opportunity and suggestions****12.5.1 features and summary of regional development****12.5.2 credit suggestions for regional market****12.6 credit opportunity of the enterprise and suggestions****12.7 credit opportunity of the industry chain and suggestions****12.7.1 credit opportunity of downstream industry of the industry chain****12.7.2 credit opportunity of coal chemical equipment industry****12.7.3 credit opportunity of coal industry and suggestions**

如需了解报告详细内容，请直接致电前瞻客服中心。

全国免费服务热线：400-068-7188 0755-82925195 82925295 83586158

或发电子邮件：service@qianzhan.com

或登录网站：<https://bg.qianzhan.com/>

我们会竭诚为您服务！