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China Natural Gas Pipeline and LNG Projects Leads Book

To Shape a Clear Blueprint Before Getting into Market

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ONLY THE NECESSARY
INFORMATION IS RECORD

· Lee Franklin ·

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The Preface

Doing business in a new nation or area is sometimes a puzzle. Yes you know that there are many projects but it's always so hard to get them. At an oil and gas industry conference, a poor guy asked a LNG project owner when to start project bidding and tendering for the related offshore pipeline linking to the power plants 100 miles away from the terminal. The answer was disappointing: "Oh, I'm afraid that the pipeline construction has already been completed."

For the pipeline and LNG business in a big nation such as China, you must have heard about a lot of good news that tell you the market is so great. There are so many new projects and you are confident in your products, service as well as the aggressive regional chief rep assigned with the business development mission in this area.

The bad news is that things usually won't take place just as your wish. You will find the new construction project you just learned is in fact outdated. You will be completely puzzled with the complicated investment and decision-making procedures when a project is related with provincial and regional stakeholders. In general, many companies just lack a channel, or a method, to be aware of the future and existing projects blueprints and who is who to follow up.

Similar things happen every day for most oil and gas pipelines and LNG related companies. A lot of new businesses are neglected, and much of their attention is wasted by putting into the outdated or completed projects.

This is the reason why we have been working on this annually research program to produce a series of project forecasts & leads directory based reports that help to minimize the waste of our members' attention, investment and time.

Lee Franklin
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Introduction

This book records 3 types of major natural gas projects in China region. These projects are natural gas pipelines, LNG import terminals as well as LNG liquefaction plants. Each of the projects is introduced to readers its brief description and who to contact for establishing further business relations. The contact persons and their companies are either project owners (investors) or existing utility operators (companies which run daily operation), who are verified by ARA Corporation for accurate edition update every year.

The part I of this book includes Chapter 1 and Chapter 2. Chapter 1 introduces the transnational projects, which are mainly onshore cross-border pipelines from China's neighboring countries to China's country border. Chapter 2 introduces what we call "state level" projects. These projects usually cross and influence many provincial administrative regions, such as West-East Gas Pipeline II, so that they have more strategic importance from country perspective than regional projects listed in later chapters.

Part II to Part VIII use China's traditional geographic administration area segments for regional project listing, so that readers will get a basic idea of where a specific project is located. These geographic area segments include:

Part II: Northeast China Region (Heilongjiang Province, Jilin Province and Liaoning Province)

Part III Northwest China Region (Xinjiang Autonomous Region, Qinghai Province, Gansu Province, Shaanxi Province, Ningxia Autonomous Region and Inner Mongolia Autonomous Region)

Part IV: Northern China Region (Beijing, Tianjing and Hebei Province, Shandong Province and Shanxi Province)

Part V: Central China Region (Henan Province, Hubei Province and Hunan Province)

Part VI: Southwest China Region (Chongqing and Sichuan Province, Guizhou Province, Yunnan Province and Tibet Autonomous Region)

Part VII: Eastern China Region (Jiangsu Province, Anhui Province, Zhejiang Province and Shanghai)

Part VIII: Southern China Region (Jiangxi Province, Fujian Province, Guangdong Province, Guangxi Autonomous Region, Hainan Province, Hong Kong and Macao)

Projects listed in an administration area follow the sequence of the year they were completed or estimated to be completed. Projects under construction or planning during publish of this book are noted with "new" before their names.

The appendix provides an alphabetical project index for quick location of one specific project in this book by its name. The projects' associated Chinese names are listed beside their English names for readers' China staffs reference.

ARA Corporation's "China Natural Gas Pipeline and LNG Map" is an associated publication for this book. The map helps readers to build a clear visual image of projects listed in following chapter, and then it brings better understanding for questions like "where is this project", "why it is necessary and strategic", and "what is the mutually influence between one future project and its neighboring existing project" etc.

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Part I: Transnational and National Projects

This part includes Transnational Projects (Chapter 1) and State Level Projects (Chapter 2).

Chapter 1: Transnational Projects

(New) Central Asia Natural Gas Pipeline

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Sun Bo
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Project Brief:

On 30th, June, 2008, Central Asia Natural Gas Pipeline started its construction in Uzbekistan Bukhara. The pipeline is the first transnational natural gas pipeline of China that introduces gas through land gas pipeline. The pipeline starts from the border of Uzbekistan and Turkmenistan and ends at Horgas Port in Xinjiang Autonomous Region across Uzbekistan and Kazakhstan. The 1818 km pipeline runs parallel with West East Gas Pipeline and two pipelines connect in the end. The pipeline is planned to be put into use in 2009 and to be connected with West East Gas Pipeline in 2010.

The gas resource of the pipeline is mainly from Amuhe Gas Field in Turkmenistan. In 2008, CNPC established Asia Trans Gas LLC with Uzbekneftegaz and Asia Gas Pipeline LLP with Kazakhstan. Every party holds 50% of the shares of the company and is

responsible for design, location, maintenance and operation of the section of the pipeline in their own country.

In this way, Central Asia Natural Gas Pipeline is divided into three sections: the section in Turkmenistan, the section in Uzbekistan and the section in Kazakhstan.

Introduction of the Section in Turkmenistan
At the beginning of 2008, Turkmenistan signed an agreement with OAO Stroytransgaz to build the Section in Turkmenistan of China - Turkmenistan Gas Pipeline. The 188 km section starts from Malai gasfield which is in the east bank of Amu River and transfers gas to the starting point of China - Uzbekistan Gas Pipeline on the border of Turkmenistan and Uzbekistan.

Introduction of the Section in Uzbekistan
The Section in Uzbekistan is also known as Uzbekistan - China Natural Gas Pipeline. The section starts from the border of Turkmenistan and Uzbekistan in the west and ends on the border of Kazakhstan and Uzbekistan. The 497 km pipeline, with a diameter of 1067 mm, has a working pressure of 9.81 Mpa and an annual gas throughput of 30 billion m³. The pipeline has 3 pressure compressor station and 1 border measuring station. The owner of the pipeline is Asia Trans Gas LLC.

Introduction of the Section in Kazakhstan
The section in Kazakhstan starts from the

border of Turkmenistan and Uzbekistan and ends at Horgas Port on the border of China and Kazakhstan across Chimkent. The 1300 km pipeline has an annual gas throughput of 40 billion m³. The Chimkent - Horgas section of the pipeline will get the gas both from Turkmenistan through Central Asia Natural Gas Pipeline and from Caspian Sea in Kazakhstan through Kazakhstan - China Natural Gas Pipeline. The owner of the section is Asia Gas Pipeline LLP.

After the completion, Central Asia Natural Gas Pipeline will transfer 30 billion m³ from Central Asia in 30 years. The gas will be provided to China through West East Gas Pipeline II.

(New) Turkmenistan - China Natural Gas Pipeline

Project Brief:

Turkmenistan - China Natural Gas Pipeline is also known as Central Asia Natural Gas Pipeline. Please refer to the introduction of Central Asia Natural Gas Pipeline.

(New) Kazakhstan - China Natural Gas Pipeline

KazMunaiGas

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