

I-1.4 Potential Buyers of Cryogenic Storage Tanks & New plan of LNG project

The demand of LNG, a kind of clean and low price energy, is increasingly large in China. Therefore, there are more new plans of LNG projects. With the rapid development of the national economy, China imports a large amount of LNG every year to meet the domestic energy demand. Chinese government plans to establish seven sets of LNG terminals in recent years, and the domestic LNG terminals capacity will reach 24,000,000t/a when all these projects are finished. It is reported that the import of LNG in China is expected to reach 19 million tonnes in 2010, and the import volume will be as much as 33 million tonnes in 2015.

New LNG terminals are located in coastal areas, including Zhejiang province, Guangdong province, Fujian province and Shanghai. Shenzhen in Guangdong province is the earliest to set up LNG terminal. Its LNG terminal has put into production since 2006. From 2006 to 2030, there will be 3,700,000 tonnes of LNG imported from Australia every year.

As for the new LNG terminals, CNOOC, Sinopec and Petrochina are the major players in China.

Table I-1.4-1 List of new LNG terminals in China

No.	LNG terminal	Location	LNG receiving capacity, kMTs/a	Investment, RMB: billion	Size, M3	Estimated Launch time	Comment
1							
2							
3							
4							
5							
6							
7							
8							
9							
10							
11	Petrochina Jiangsu	Jiangsu	3,500	9	N/A	N/A	Expand to 6,000 kMTs/a
12	Petrochina Hebei LNG	Hebei	3,000	10	N/A	2009	Expand to 10,000 kMTs/a

II Current Supply Situation of Cryogenic Storage Tanks

II-1 Brief Introduction to Major Manufacturers of Cryogenic Storage Tanks

In China, most cryogenic storage tanks being used for over ten years were imported. Its production technology, steel material and fittings were all introduced from overseas, and the tanks were then assembled in Chinese plants.

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Table: II-1-1 active manufacturers of cryogenic storage tank

No.	Producers	Abbreviation	Location
1	[REDACTED]	[REDACTED]	[REDACTED]
2	[REDACTED]	[REDACTED]	[REDACTED]
3	[REDACTED]	[REDACTED]	[REDACTED]
4	[REDACTED]	[REDACTED]	[REDACTED]
5	[REDACTED]	[REDACTED]	[REDACTED]
6	[REDACTED]	[REDACTED]	[REDACTED]
7	[REDACTED]	[REDACTED]	[REDACTED]
8	[REDACTED]	[REDACTED]	[REDACTED]
9	Zhangjiagang CIMC Sanctum Cryogenic Equipment Co., Ltd.	Zhangjiagang CIMC	Jiangsu
10	Zhangjiagang Chemical Machinery Co., Ltd.	Jiangsu Chemical	Jiangsu

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II-2 Market Share of Cryogenic Storage Tank & Position of Oversea Players

Ten years ago, oversea manufacturers played an important role in the domestic cryogenic storage tank industry, because their production technology was much more advanced and the quality of overseas steel is much better.

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Table II-2-1 List of major oversea player in China

No.	Oversea player	Domestic cooperator	Construction company	Client	Project	Cubage, M3	Launch time
1	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
2	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
3	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
4	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
		[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
5	Germany TGE	N/A	Shanghai Jiangnan Boatyard	Sinopec Yangzi-BASF Company	Ethylene cryogenic storage tank	20,000	2004
		Yangzi Petrochemical Engineering Co., Ltd.	N/A	Liaoning Jingfeng Ethylene Co., Ltd.	Ethylene cryogenic storage tank	10,000	2001
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