

The Current Status of LNG in China

Gu Anzhong Shi yumei Wang Rongshun
Institute of Refrigeration and Cryogenic Engineering,
School of Mechanism and Power Engineering,
Shanghai Jiaotong University, Shanghai, 200030, China
anzgu@online.sh.cn

Abstract

There is rich natural gas source in China. Chinese government put great effort to exploit and utilize the natural gas for improving energy structure, reducing pollution and developing economy of the west part of China. In recent 10 years, every link in the liquefied natural gas (LNG) chain has advancement. Especially in the recent years, some aspects in the LNG chain make great progress.

There are two LNG plants in China. One is the peakshaving LNG plant in Shanghai, the other LNG plant is in Puyang of Henna province. The third LNG plant would be built in Xinjiang province.

For importing LNG, a LNG receiving terminal is been building in shenzhen of Guangdong province. The second LNG receiving terminal would be built in Fujian province.

In some cities in Shandong, Jiangsu and Henan provinces, there are LNG satellite stations, where the LNG is re-gasified and the natural gas is supplied to residents and industries by pipeline.

The Chinese government has planned to build LNG carrier. The LNG road tankers and storage tanks have been manufactured successfully and are used to transport LNG from plant to satellite stations. Some companies have also planned to develop the LNG container.

The regulations and standards of LNG are been establishing now in China.

In this paper, the technical data and flow diagram about LNG plants, LNG receiving terminal, LNG satellite station, storage tank and LNG road tanker are introduced.