

## CHINA LNG AND MARINE FUEL BUNKERING Annual Study







The ICIS China LNG Marine Fuel and Bunkering Report provides a current market overview of the growing LNG-fuelled vessels industry. Highlighting the latest industry developments, this report also presents a fundamental supply and demand analysis, as well as a short-term forecast of the market to facilitate investment planning and strategic decision-making in the region.

The annual report also discusses important issues, such as LNG as marine fuel, the opportunities across the different LNG bunkering facilities and key participants in the domestic market. Readers will also gain insight into the emerging domestic LNG market, with a focus on LNG-fuelled vessels and bunkering plants in the region.

### OVERVIEW

Due to enhanced technology and favourable government policies and standards towards LNGfuelled vessels, China is gradually seeing an increasing demand in this emerging market. In an effort to balance the oversupply of LNG over its stagnant demand, the government is encouraging exploration of a new target market by advocating the use of such vessels, which is both cost effective and environmentally-friendly.

This has poised the LNG-fuelled vessels market for development with technological enhancements and resources fed in. In 2015, close to 100 vessels in China have been retrofitted to burn dual fuels of gasoil and LNG and 15 LNG bunkering stations have already been set up.

The ICIS China LNG Marine Fuel and Bunkering Report delves deeper into the recent developments and opportunities in the LNG-fuelled vessels market, giving global players a comprehensive view of the domestic market and how it will affect their business.

### The annual study addresses the following questions:

- What are some of the trends in the LNG-fuelled vessel market?
- What is the government's attitude towards the market?
- Who are the major players in the industry?
- What is the future trend of the LNG-fuelled vessels market?

#### Key features of the report:

- Market overview and update on LNG-fuelled vessels
- Investment analysis on different bunkering facilities by province
- Supply and demand outlook of the LNG-fuelled vessels industry up to 2019
- Key investors and participants in the LNG bunkering market
- Opportunities and challenges in China's vessel use market, with market solutions



Trends

69

,52

35,25

2

Data

Analysis

# CHINA LNG AND MARINE FUEL BUNKERING

Annual Study



PART	CHINA NATURAL GAS MARKET INTRODUCTION AND INDUSTRY CHAIN ANALYSIS Definition of Natural Gas products Development of China's Natural Gas industry Analysis on China's Natural Gas industry chain LNG use as marine fuel
PART	II ANALYSIS ON POLICIES CONCERNING LNG AS MARINE FUEL Global environmental protection policies Policies on LNG-fuelled vessels Industry policies on LNG-fuelled vessels Regulations and standards for LNG-fuelled vessels Construction regulations for LNG bunkering facilities Technical requirements for pilot LNG-fuelled vessels Subsidy policies on vessel-use LNG Policies on vessel-use LNG in key province
PART	<ul> <li>ANALYSIS AND FORECAST ON LNG-FUELLED VESSELS MARKET</li> <li>Analysis on international LNG-fuelled vessels market</li> <li>Status quo of international vessels market</li> <li>Introduction on model international LNG-fuelled vessels</li> <li>Development trend of international LNG-fuelled vessels market</li> <li>Analysis on China LNG-Fuelled vessels for inland waterway and offshore</li> <li>Transportation</li> <li>Status quo of China LNG-fuelled vessels market</li> <li>Introduction on China's LNG-fuelled vessels</li> <li>China LNG-fuelled vessels market outlook</li> </ul>
PART	IV ANALYSIS AND FORECAST ON LNG BUNKERING FACILITIES Analysis on offshore LNG bunkering facilities Analysis on China's LNG bunkering facilities for inland waterway transportation
PART	V LNG-FUELLED VESSELS AND LNG BUNKERING FACILITIES BY PROVINCE Jiangsu Hubei Anhui Chongqing Guangxi Tianjin Zhejiang Hunan Jiangxi Shanghai Shandong Guangdong Sichuan Hebei

#### PART VI

PARTICIPANTS IN CHINA VESSELS-USE LNG MARKET AND BUSINESS MODEL Participants in China vessels-use LNG market Business model of China's vessel-use LNG model Potential participants in China's vessel-use LNG market

Enquire about the China LNG Marine Fuel and Bunkering Report



## CHINA LNG AND MARINE FUEL BUNKERING Annual Study







- PART VII CHALLENGES IN CHINA VESSEL-USE LNG MARKET AND SOLUTIONS Challenges in China's vessel-use LNG market Corresponding solutions
- PART VIII
   INVESTMENT ANALYSIS ON CHINA VESSELS-USE LNG INDUSTRY

   Investment analysis on LNG bunkering facilities
   Investment analysis on China LNG-fuelled vessels

   Cost efficiency comparison between Gasoil and LNG
   Financing opportunities in China's LNG-fuelled vessels
- PART IX
   TECHNOLOGY ANALYSIS ON CHINA VESSEL-USE LNG AND DEVELOPMENT TREND

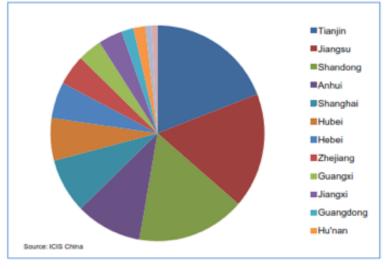
   Technical analysis on building LNG bunkering facilities
   Technical analysis on building/ retrofitting vessels in China

   Technology trend of LNG fuelled vessels and LNG bunkering facilities in China
   Technical analysis on building/ retrofitting vessels and LNG bunkering facilities in China
- PART X OUTLOOK AND REVIEW OF CHINA NATURAL GAS SUPPLY AND DEMAND Forecast of China's natural gas supply and demand (2015-2019) Review of China natural gas supply and demand (2010-2014) Forecast of China's LNG Supply and demand (2015-2019) Review of China LNG supply and demand (2010-2014)



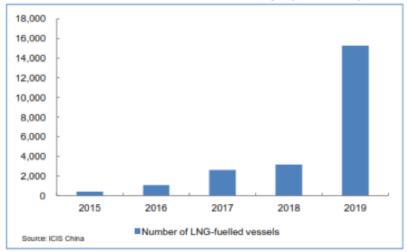
## CHINA LNG AND MARINE FUEL BUNKERING Annual Study

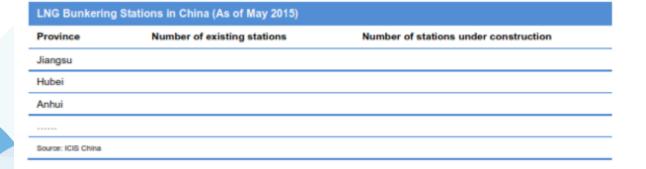
### **REPORT SNAPSHOTS:**



### Distribution of China's LNG-fuelled Vessels by Province (As of May 2015)

### Forecast of China's LNG-fuelled Ships (2015-2019)





Enquire about the China LNG Marine Fuel and Bunkering Report