

Mitsubishi Heavy Industries Shipbuilding Co., Ltd. –Its Energy-Efficient Technology for Gas Carriers for Global Energy Stability –



Mitsubishi Heavy Industries
Shipbuilding Co., Ltd.

Mitsubishi Heavy Industries Shipbuilding Co., Ltd. (MHISB) is a new group company of Mitsubishi Heavy Industries, Ltd. (MHI). The company was established in October 2015 with one billion yen in capital and approximately 500 employees to play a significant role in supporting growing demands in global energy transportation. MHISB specializes in the construction of gas carriers and offers comprehensive services that include design, construction, delivery, and after-sales services of gas carriers.

Hull blocks are provided by Mitsubishi Heavy Industries Hull Production Co., Ltd., which was also established at the same time. The partnership between the two companies enables a streamlined production process based on continuous construction. Operational process reform and improved cost effectiveness are further pursued under the company's compact, yet dynamic business structure, with the goal of actively supporting the ongoing success of the Nagasaki commercial ship business.

1. Company creed

MHISB is dedicated to making a positive impact on the stability of the global energy supply by utilizing its superb energy-efficient technology. The company's business operations are guided by the following values:

- (1) In-depth understanding and thorough fulfillment of customer needs:
Become a trusted presence in society by offering reliable products with long-lasting value and specialized services through sincere engagement with customers
- (2) Active contribution to global energy transportation and environmental solutions:
Play a significant role in global efforts to solve energy transportation and environmental issues featuring the world's best proven technology for building energy efficient ships
- (3) Comprehensive stakeholder satisfaction through value chain reform:
Provide employees with both material and moral support and attain stakeholder satisfaction through value chain and corporate culture reform

2. Profile

MHISB's dock (990 m long x 100 m wide) at the Nagasaki Shipyard's Koyagi Plant is equipped with one 1,200-ton and two 600-ton Goliath cranes for handling large blocks, thus enabling efficient shipbuilding (**Figure 1**).

Labor efficiency is also improved by carrying out more on-ground outfitting prior to block loading and eliminating the need for more labor-intensive in-vessel work as much as possible. Further business expansion is being pursued by shortening the outfitting period, which often causes bottlenecks.



Figure 1 Mitsubishi Heavy Industries Shipbuilding Co. Ltd. Koyagi Plant at Nagasaki Shipyard