Marine Logistics & Transportation

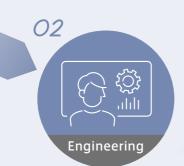
Providing one-stop solutions for natural gas transportation needs

[Provision of consistent solutions from the upstream to the downstream processes of natural gas transportation projects

Consulting

Consulting services including the selection of ship specifications for ship owners

MES TGE



Provision of engineering services for small



Natural gas is attracting attention as a clean energy with a small environmental footprint. Demand for gas carriers for importing and exporting natural gas is expected to grow with future increases in natural gas

Working together with our subsidiary TGE Marine Gas Engineering GmbH (TGE), a German gas carrier engineering company, we are aiding the development of the small and midsize gas carrier market. We will enter the upstream processes of gas carrier construction by acquiring expertise from TGE, which

has worked on a large number of Engineering, Procurement, and Construction Supervision (EPCS) projects, including the development of small and midsize gas carriers, demand for which is expected to increase in the future. In addition, we will provide solutions that are not limited to shipbuilding through an integrated provision of technologies and products for handling gas fuels, including the electronically controlled gas injection diesel engine (ME-GI), which we developed jointly with MAN Diesel & Turbo SE, the licensor, and fuel gas supply systems (FGSS).

Electronically controlled gas injection diesel engine (ME-GI)

An ME-GI is a dual fuel engine that can be fueled by both natural gas (LNG) and heavy oil, despite being a large, two-cycle low-speed diesel engine with high thermal efficiency.

Fuel gas supply systems (FGSS) for LNG carriers







High-pressure pump

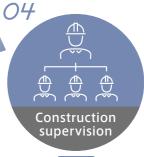


Procurement

Provision of gas engineering equipment

03

MES Kaji Technology



MES

After-sales services

We have established facilities for we provide services for the overall lifecycle of marine diesel engines.

e-GICSX

This equipment provides early maintenance and repairs at key locations detection of abnormalities by analyzing in Japan and overseas. At these facilities, and monitoring big data, which include not only data from multiple main engine sensors but also navigation data, such as weather and sea conditions.



Technoservice Dept

supply are developed in the gas markets of India,

China, and Southeast Asia in the future.