



COMPANY PROFILE



MITSUBISHI SHIPBUILDING CO., LTD.
5-33-11 Shiba, Minato-ku, Tokyo
108-8015, Japan
Phone: 81-3-5476-6903
<https://www.mhi.com/group/mhimsb/>



Creating the Future in the Sea

Founded on Solid Technology

Mitsubishi Shipbuilding Co., Ltd. covers the maritime-related businesses of Mitsubishi Heavy Industries (MHI) Group. We help propel forward the development of the maritime industry both in Japan and around the world through conventional shipbuilding and marine engineering, based on our deep technological expertise in shipbuilding and by leveraging the wide range of technologies across MHI Group.

Throughout our long history in shipbuilding, we have helped develop the maritime industry, including the establishment of maritime laws, regulations and standards, while manufacturing a broad range of ships and maritime products. By making full use of the foundational technologies that we have accumulated over many years and the integration capabilities that bring them together, we accommodate the needs of a variety of customers by adhering to a customer-first philosophy and actively taking on new challenges.

We, Mitsubishi Shipbuilding, will create the future in the sea founded on solid technology.

Mission

We will create the future in the sea founded on solid technology.

Vision

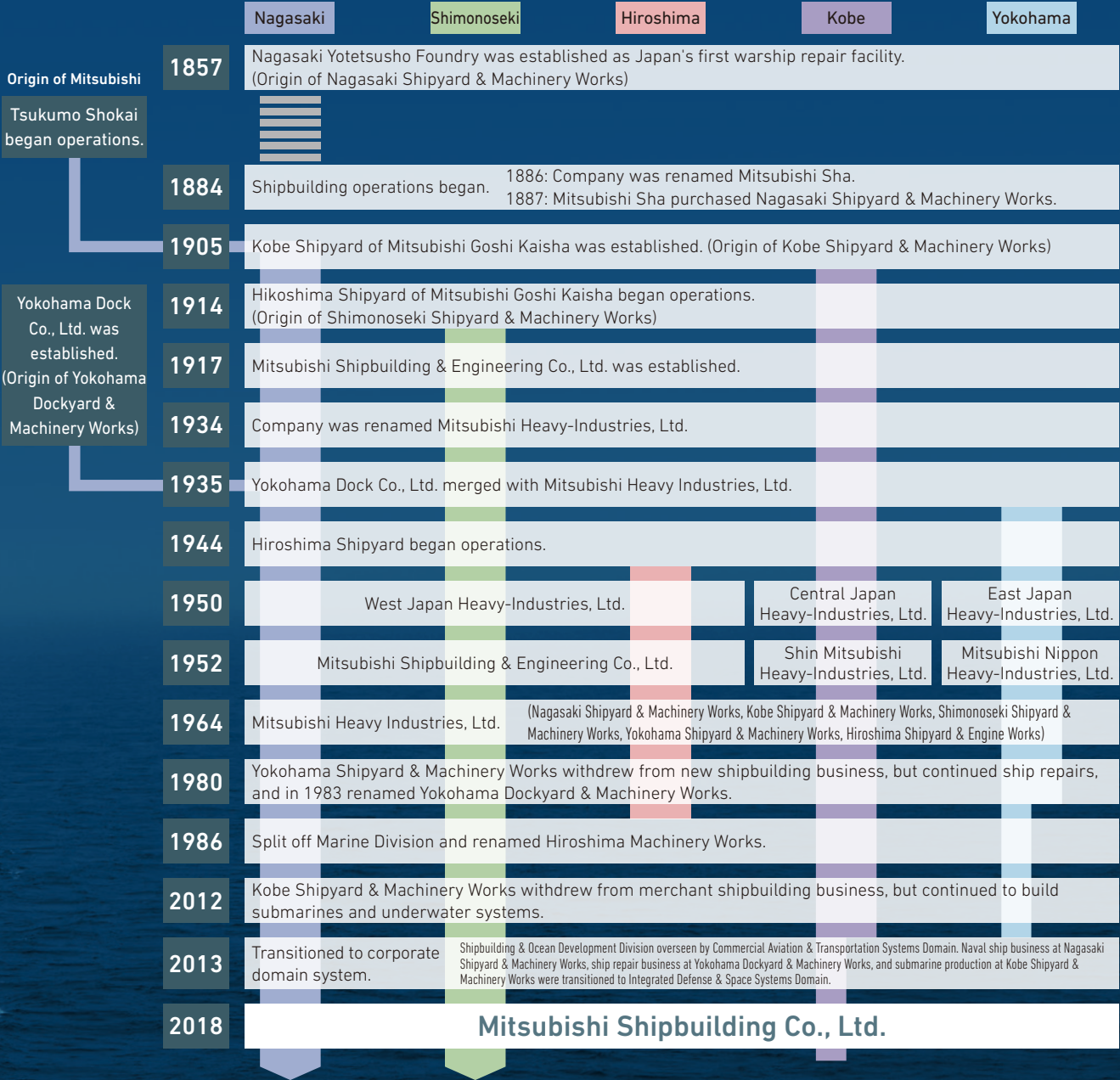
We aim to address needs and challenges in the maritime industry by proactively keeping new challenges, creating values, and aiding sustainable development, all based on our deep shipbuilding expertise.

Value

We value "safety," "reliable quality" and "timely response" in accordance with the MHI Group Global Code of Conduct.

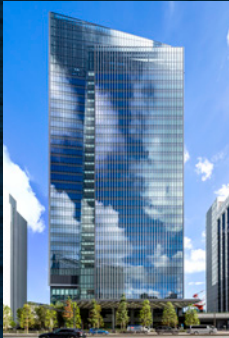


History



Locations

Tokyo (Head Office)
5-33-11 Shiba, Minato-ku, Tokyo
108-8015, Japan



Shimonoseki Site (Enoura Plant)
16-1, Hikoshima Enoura-cho 6-chome,
Shimonoseki-shi, Yamaguchi, 750-8505, Japan



Nagasaki Site (Main Plant)
1-1, Akunoura-machi, Nagasaki-shi, Nagasaki,
850-8610, Japan



Nagasaki Site (Koyagi Plant)
180 Koyagi-machi, Nagasaki-shi, Nagasaki,
851-0310, Japan



Greetings from President & CEO



Mitsubishi Shipbuilding (MSB) is a company established in 2018 that succeeded to Mitsubishi Heavy Industries' (MHI's) shipbuilding business which was founded in 1884. Since we started our business under the authentic name of Mitsubishi Shipbuilding, we have been actively engaged in providing marine engineering and services while building and delivering of a wide variety of ships. And today, the global and Japanese maritime industry are faced with complex multi-solution problems such as populational, environmental, geopolitical, and technological subjects. It's time for us to brave these challenges.

MSB will make every effort to solve such problems through a new shipbuilding business model. Complex problems require complex solutions. Those problems are not so simple that single organization can solve. We are going to tackle the problem with global cooperation. We will move forward and grow together with our business partners.

We will develop cutting-edge technology, as a densely outfitted ship we build in practice and as a green technology to utilize LNG (liquefied natural gas), ammonia and LCO2 (liquefied carbon dioxide). We will also incorporate innovative method for development, engineering and construction of ships, and will lead the collaboration with business partners.

We will keep growing to achieve future success and take actions with responsibility.

Safety first is our motto in all cases. We pursue to create value through reliable quality and timely response and contribute to making the shipbuilding business even more attractive.

President & CEO
Shin Ueda

Mitsubishi Shipbuilding's Commitment to SDGs

We have established the "2050 Vision" to address the SDGs through each business and product.

2050 Vision 01

Creating a Safe and Secure Future for Society

Growing DX technology offerings and service businesses beyond the traditional borders of the shipbuilding industry.

Building a sustainable relationship between people and the ocean to realize a circular society where all can live in comfort and peace.



Digitalization of the Maritime Industry	Acceleration of Offshore Resource Development	Enhancement of User Experience on the Ocean
Employing DX technology to create a safer and more efficient working environment for all involved in the maritime industry	Contributing to the safe development of offshore resources and environmental protection by proven technologies	Enabling utilization of offshore space for enhanced passengers' experience
Related Products Navigation Assistance System, Hybrid Electric Propulsion Vessel	Related Products Marine Research Ship, Cable Layers	Related Products Small Passenger Ship, Car and Passenger Ferry

2050 Vision 02

Realizing Decarbonization of the Maritime Economy

Leading decarbonization of ships and accelerating offshore utilization of green energy and carbon capture.

Promoting harmony between people and the environment, and realize a sustainable and resilient decarbonized society through maritime business.



Decarbonization of Ships	Expansion of Renewable Energy Utilization	Implementation of CCS/CCUS
Expanding the application of alternative fuels such as LNG and ammonia, and working toward the adoption of synthetic fuels and electric propulsion in the future.	Driving growth in offshore wind farms and production of green fuels utilizing renewable energy	Advancing CO ₂ storage and utilization from captured industrial emissions
Related Products Fuel Gas Supply System, LNG-fueled ferry	Related Products Semi-submersible Floater for Wind Turbines	Related Products Onboard Carbon Capture and Storage System, Liquefied CO ₂ Carrier

Corporate Overview

Company Name: Mitsubishi Shipbuilding Co., Ltd
Establishment: January 1, 2018
Head Office: 5-33-11 Shiba, Minato-ku,Tokyo 108-8015, Japan
President & CEO: Shin Ueda
Business Operations: Ship engineering, design, manufacture and repair of ferries, cargo and passenger ships, RO/RO ships, special-purpose vessels, patrol vessels, etc.
Capital: 3,000 million yen (MHI: 100%)
Group Companies: MHI Marine Engineering, Ltd. MHI Shimonoseki Engineering Co., Ltd.

Organization

Mitsubishi Shipbuilding Co., Ltd.	Planning & Administration Department	T	S	N
	Strategic Planning & Operation Office	T		
	Business Department	T	S	
	Procurement Department	T	S	N
	Shimonoseki Quality Assurance Department		S	
	Nagasaki Quality Assurance Department	T		N
	Marine Engineering Center	T	S	N
	Engineering Business Department	T		
	Ship & Ocean Engineering Department	T	S	N
	Environmental Technology department	T		N
	Designing Department		S	N
	Shipbuilding & Repair Department		S	N
	Health, Safety & Environment Management Office		S	N

T: TOKYO
S: SHIMONOSEKI
N: NAGASAKI

PRODUCT LINEUP

As the company that launched modern shipbuilding in Japan, MHI Group has always been at the forefront of shipbuilding and ocean development. Drawing on over a century of tradition and technological capabilities, the Group develops and builds an array of commercial ships and special-purpose vessels to meet a wide variety of needs. It is working to expand its engineering business in an effort to broaden its role on the world's seaways.

Commercial Ships

Ferries, Cargo-Passenger Ships

Car Carriers, RO/RO Ships

Patrol Ships

Marine Resource Research ships

Cable Layers

Survey, Research, Training Ships

Other Special Ships

Engineering Business

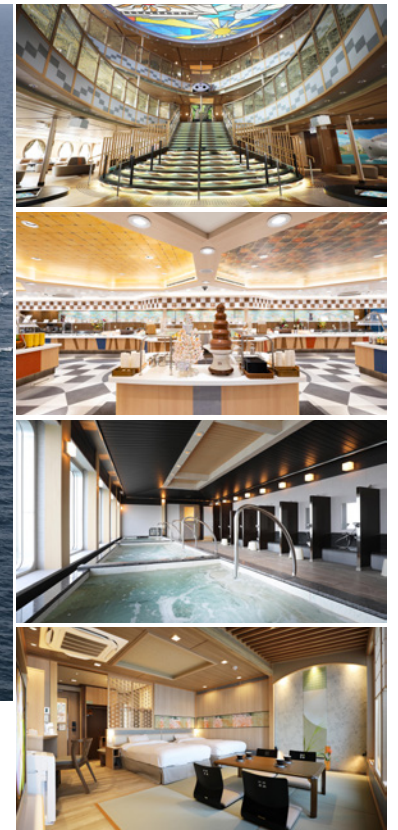
Environment, Energy-related Technologies

Shipbuilding Engineering

Marine Solution Provider

Commercial Ships

Ferries, Cargo-Passenger Ships



SUNFLOWER KURENAI (LNG-fueled vessel) Ferry

Gross Tonnage	17,114 GT	Speed	22.5 knots
Length	199.9 m	Shipyard	Shimonoseki
Breadth	28.0 m		



KEYAKI Ferry

Gross Tonnage.....	14,157 GT	Speed	28.3 knots
Length	199.0 m	Shipyard	Shimonoseki
Breadth.....	25.5 m		



KITAKAMI Ferry

Gross Tonnage	13,694 GT	Speed	21.5 knots
Length	192.5 m	Shipyard	Shimonoseki
Breadth	27.0 m		



SALVIA MARU Cargo-Passenger Ship

Gross Tonnage	6,099 GT	Speed	20.0 knots
Length	118.0 m	Shipyard	Shimonoseki
Breadth	17.0 m		



YURIYA Cargo-Passenger Ship

Gross Tonnage	273 GT	Speed	23.0 knots
Length	46.0 m	Shipyard	Shimonoseki
Breadth	8.0 m		

RO/RO Ships, Car Carriers, Marine Resource Research Ships, Survey, Research, Training Ships



FUJIKI RO/RO Ship

Gross Tonnage	15,986 GT	Speed	23.0 knots
Length	167.0 m	Shipyard	Shimonoseki
Breadth	30.2 m		



TRANS HARMONY GREEN Ro/Ro cargo ship (LNG-fueled vessel)

Gross Tonnage	49,264 GT	Speed	19.5 knots
Length	195.0 m	Shipyard	Shimonoseki
Breadth	30.6 m		



KEYS Azalea

Gross Tonnage	4,744 GT	Speed	12.0 knots
Length	82.4 m	Shipyard	Shimonoseki
Breadth	18.2 m		



HIMAWARI 8 RO/RO Ship

Gross Tonnage	10,626 GT	Speed	23.0 knots
Length	166.9 m	Shipyard	Shimonoseki
Breadth	27.0 m		



HAKUREI Marine Resource Research Vessel

Gross Tonnage	6,283 GT	Speed	15.5 knots
Length	118.3 m	Shipyard	Shimonoseki
Breadth	19.0 m		



KAIMEI Seabed Research Vessel

Gross Tonnage	5,747 GT	Speed	12 knots
Length	100.5 m	Shipyard	Shimonoseki
Breadth	20.5 m		

Patrol Ships, Survey, Research, Training Ships, Cable Layers, Other Special Ships



ASAZUKI Patrol Vessel

Gross Tonnage	6,500GT	Speed	25.5knots or more
Length	150 m	Shipyard	Shimonoseki
Breadth	16.8 m		



OSHIMA MARU Training Vessel

Gross Tonnage	373 GT	Speed	12.5 knots
Length	56.49 m	Shipyard	Shimonoseki
Breadth	10.60 m		



HAKUHO MARU Ocean Research Vessel

Gross Tonnage	3,991 GT	Speed	16 knots
Length	100.0 m	Shipyard	Shimonoseki
Breadth	16.2 m		



TERESA MAGBANUA Multi-Role Response Vessel

Gross Tonnage	2,265 GT	Speed	24knots
Length	96.6 m	Shipyard	Shimonoseki
Breadth	11.5 m		



SUBARU Cable Layer

Gross Tonnage	9,557 GT	Speed	13.2 knots
Length	123.33 m	Shipyard	Shimonoseki
Breadth	21.0 m		



HAYAKAZE Fisheries Patrol Vessel

Gross Tonnage	56 GT	Speed	35 knots or more
Length	26.0 m	Shipyard	Shimonoseki
Breadth	5.4 m		

Environment, Energy-related Technologies

Utilizing the experience and know-how cultivated through the building of a wide variety of ships, including liquefied gas carriers, we not only sell environmental system products, but also provide engineering services related to ship design, construction, and operation.

Ammonia Fuel Handling System (MAmmoSS®)

MAmmoSS® enables marine diesel engines to be fueled by ammonia which does not emit CO₂ during combustion.



MAmmoSS® modules (image)



Ammonia-Fueled Bulk Carrier



Please see the website for details.

LNG Fuel Gas Supply System (LNG FGSS)

LNG FGSS enables marine diesel engines to be fueled by LNG.



LNG Fuel Tank



FGSS Module

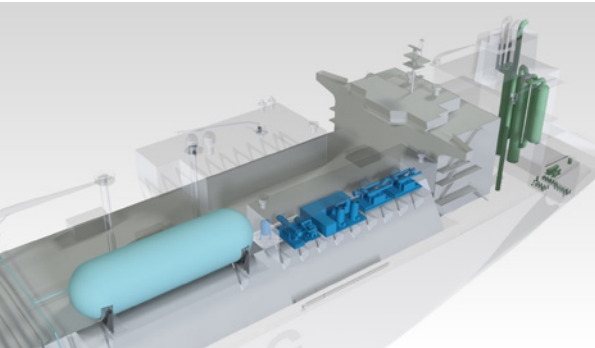


Please see the catalog for details.

Onboard Carbon Capture and Storage System (OCCS), LCO₂ Carrier / LCO₂ Handling System

Development of Onboard Carbon Capture and Storage System for a solution to reduce GHG emissions from ship.

Development of Cargo Handling System of LCO₂ carriers for CCUS value chain.



Onboard Carbon Capture and Storage System (OCCS)



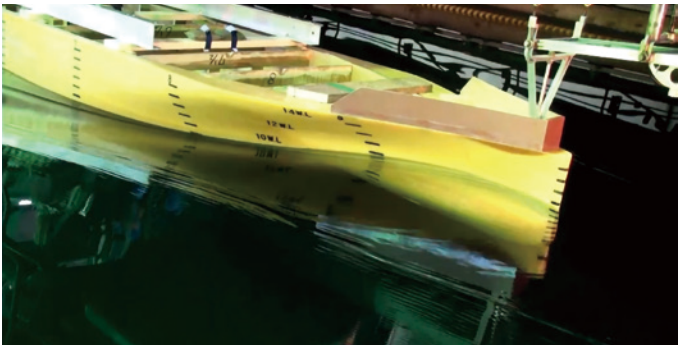
LCO₂ Carrier / LCO₂ Handling System

Shipbuilding Engineering and Digital Transformation Technologies

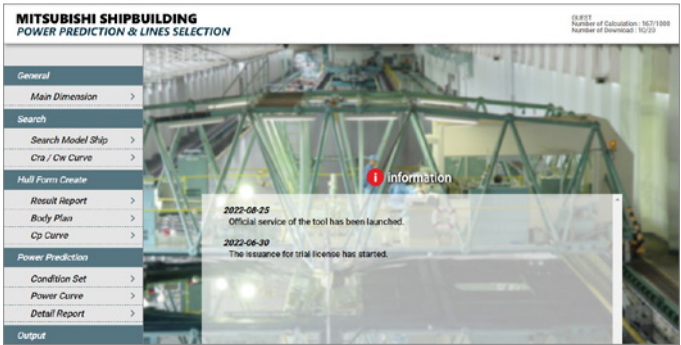
Utilizing advanced CFD analysis and vast model test records, energy efficient hull form will be developed and provided to our customer shipyards. Additionally, variety of design and analysis services, propeller and energy-saving devices can be provided.

- Hull form development
- Various model testing menus
- Propeller
- Energy-saving devices (Reaction Fin)
- Concept / basic / detail design
- Structural / vibration / ventilation analysis
- 3D Modeling
- Power Prediction & Lines Selection (MiPoLin®) system using the huge database of model test results.
- Sales of Mitsubishi Advanced Total Engineering system of Ships (MATES®) and 3D-Viewers (HullViewer®/FitViewer®)

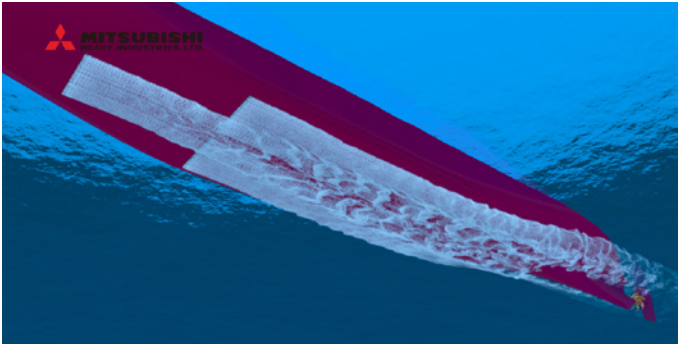
Other than above, flexible solutions can be provided upon requests.



Wave Shape from Model Test



Power Prediction & Lines Selection (MiPoLin®)



MALS (Mitsubishi Air Lubrication System)



MATES® Machinery Room 3D Design

Navigation Assistance System

Through the partnership with Marindows Inc., maritime start-up focused on DX, Mitsubishi Shipbuilding is delivering safety and security to the domestic shipping industry. We are tackling agendas such as improving the working environment for seafarers and preventing accidents at sea.

Digitalization of ship's system

- Portable navigation assistance system "Navin"
- Based on electrical sea-chart "new pec", GPS position of own-ship & AIS information of other ships are provided.
- Route planning, route tracking, grounding alert and collision alert and collision avoidance assistance.
- Audio input/output
- Plans to be connected to cloud system and other on-board devices such as on-board dash cam for further enhanced functions.

* Provided by the Japan Hydrographic Association, a public interest foundation

