

Marine Future Stream



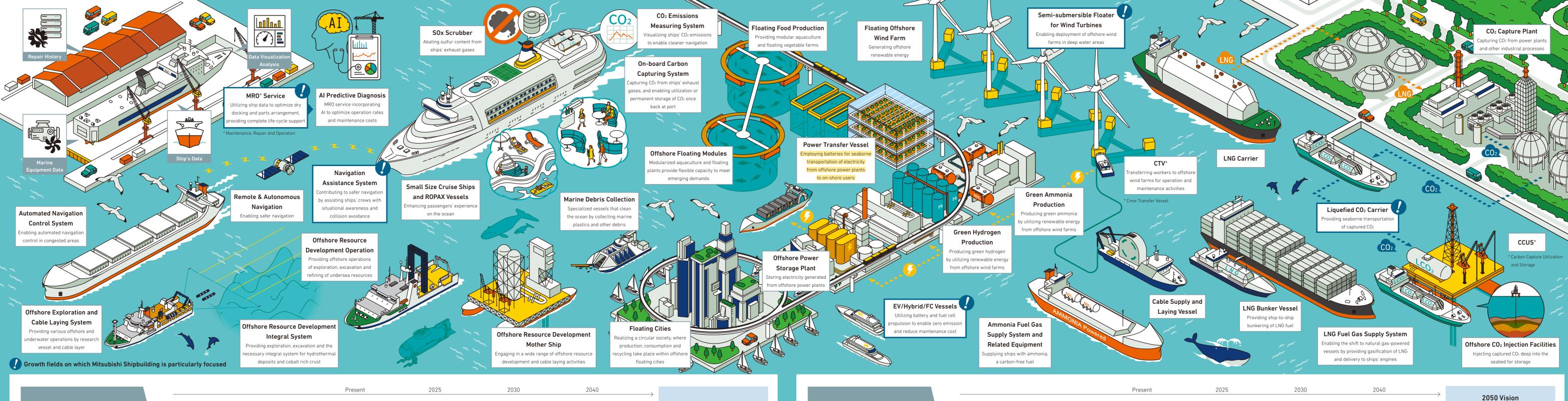


Mitsubishi Shipbuilding

The Mitsubishi Heavy Industries (MHI) Group supports the development of social infrastructure by decarbonizing industry and electrifying and deploying intelligent mechanical systems. As an MHI Group company, Mitsubishi Shipbuilding aims to strengthen its position as a marine systems integrator that generates innovation in marine-related engineering and service businesses beyond the conventional shipbuilding model.

Marine Future Stream

Based on the sustainable coexistence of people and the ocean, which covers 70% of the earth's surface, we established the Marine Future Stream vision for 2050, setting the goals of "safe and secure future for society" and "decarbonization of the maritime economy." Mitsubishi Shipbuilding will realize this vision for the 2050 future society by generating ideas for marine-related innovation through backcasting and bringing to life new technologies and services.



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

Digitalization of the Maritime Industry Employing DX technology to create a safer and more efficient working environment for all involved in the maritime industry

Acceleration of Offshore Resource Development

Contributing to the safe development of offshore resources and environmental protection by proven technologies

Enhancement of User Experience on the Ocean

Enabling utilization of offshore space for enhanced passengers' experience

Navigation Assistance System MRO (Maintenance, Repair and Operation) Service **● EV/Hybrid/FC Vessels** Al Predictive Diagnosis Remote & Autonomous Navigation Automated Navigation Control System Offshore Resource Development Integral System Offshore Exploration and Cable Laying System Offshore Resource Development Mother Ship Marine Debris Collection

Offshore Resource Development Operation Small Size Cruise Ships and ROPAX Vessels

Offshore Floating Modules

Offshore Floating Modules Floating Cities

2050 Vision

Safe and Secure **Future for Society**

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

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

Decarbonization of Ships

Expanding the application of SOx scrubbers and LNG fuel, and working toward the adoption of electric propulsion and ammonia fuel in the future

Expansion of Renewable Energy Utilization

Driving growth in offshore wind farms and production of green fuels utilizing renewable energy

industrial emissions

S0x Scrubber

CO₂ Capture Plant

Implementation of CCS/CCUS

Advancing CO₂ storage and utilization from captured

LNG Carrier CO₂ Emissions Measuring System Ammonia Fuel Gas Supply System and Related Equipment ! Semi-submersible Floater for Wind Turbine CTV (Crew Transfer Vessel)

> Floating Offshore Wind Farm Cable Supply and Laying Vessel

Green Ammonia, Green Hydrogen Producti

On-board Carbon Capturing System Offshore CO₂ Injection Facilities

Decarbonization of the Maritime Economy

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



https://www.mhi.com/group/mhimsb/futurestream

Mitsubishi Shipbuilding Co., Ltd.

3-1, Minatomirai 3-chome, Nishi-ku, Yokohama, Kanagawa 220-8401, Japan

Phone: +81-45-200-6611