

Sustainably Creating Corporate and Social Value

Maximization of earnings

Sustainability of society and the environment

ESG Management

Becoming the preferred choice of clients and partners / Enhancing employee satisfaction

Creating new value

Sustainable Solution Provider

Using ESG yardsticks



Investing management resources (talent, assets, investments, and data)

Governance

Materiality (safety, the environment, and human resources)

Toward Further Growth

through Proactive ESG Management

Bringing value to life.

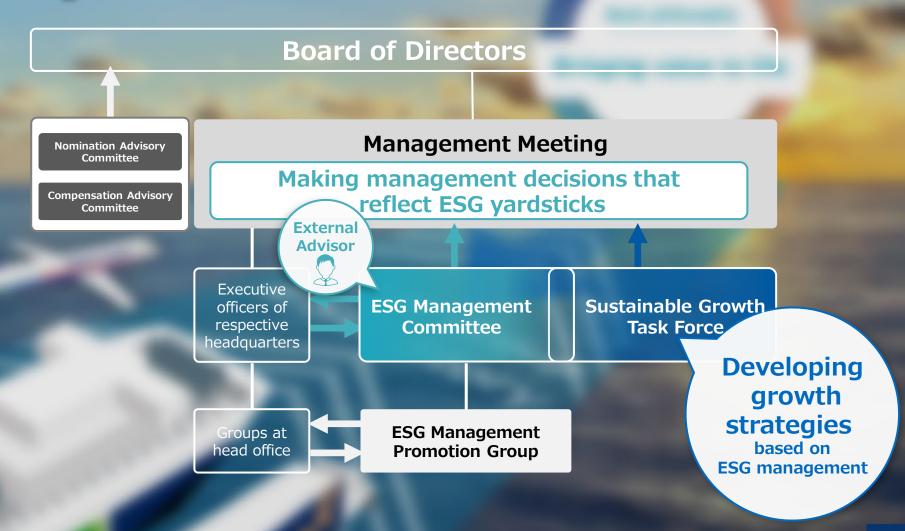
Advancing ESG management that steadily initiates transformation



Developing sustainable growth strategies by backcasting

Basic philosophy

ESG Management Organizational Structure Reinforcement



Chapter 1.

Acceleration of ESG Management

A review of the first fiscal year

Chapter 2.

Toward Realization of Sustainable Growth Strategies

A progress on the drafting medium-term management plan based on a long-term perspective



Creating new value

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Investing management resources (talent, assets, investments, and data)

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Encouraging Each Employee to Use ESG Yardsticks

ESG Navigators

Leading discussions that connect the organization vertically, horizontally, and diagonally

Platform that advances ESG management

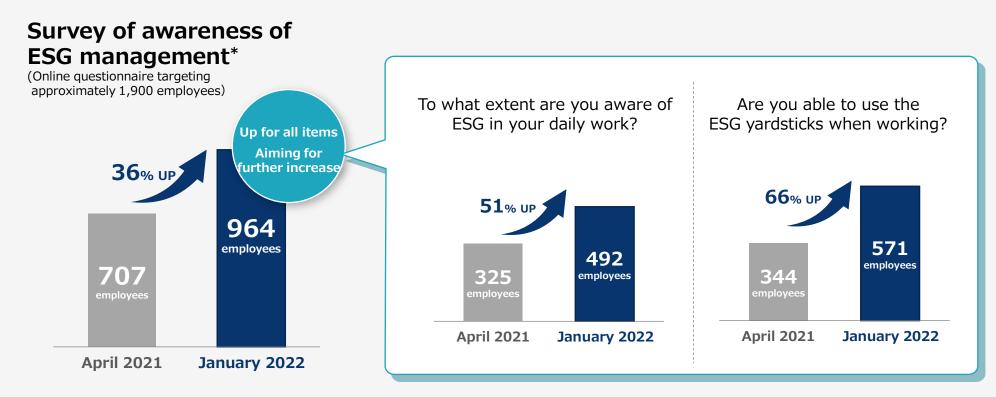
Gathering opinions from a wide range of age groups and encouraging vigorous exchanges of opinions

Through discussions with division leaders, informing management about the target profile of the Group proposed by frontline employees



More than 70 ESG Navigators are stimulating discussions in all 46 head office departments.

Encouraging Each Employee to Use ESG Yardsticks



^{*} Conducted by the ESG Management Promotion Group

The ESG yardstick mindset is steadily increasing. However, implementing individual ESG targets in job descriptions is an ongoing challenge.

ESG Management Beginning to Spread throughout the NYK Group



Yusen Logistics, an NYK Group company, will soon launch its own ESG Story.

Making ESG Management a Major Driver of the Entire NYK Group by Utilizing Each Employee's Aspirations



Future Tasks in the Further Advancement of ESG Management

- Reinforcing human resources and organizations
- > Stepping up human rights initiatives
 Plan to establish a subcommittee in the ESG Management Committee in April 2022
- Strengthening the KPI management structures of ESG management
- Reflecting ESG factors in executive compensation
 Plan to seek approval at the June 2022 General Shareholders' Meeting

Reinforcing Human Resources and Organizations to Advance New Value Creation and Frontline Capabilities

Encouraging our 35,000 employees to mutually recognize and utilize their diversity. As a group, we can readily adapt to major changes amid highly uncertain conditions.



Conducting a Global Engagement Survey in FY2022

Understanding the actual situation of each organization, verifying the effectiveness of measures, and examining improvement measures



Building Organizations with Diversity and Inclusion as Foundations

Launching the New Workstyle Project

Considering how best to create an organization in which the directors and employees work in unison and all 35,000 employees demonstrate their abilities.

Personnel who can provide powerful leadership for transformation



Personnel who have the frontline capabilities to support transformation

Maximizing individual performance and Group outcomes

Taking on challenges that enhance each person's particular attributes

Inspiring all generations to work with enthusiasm and making this an organizational strength

Having thorough discussions about engagement, workstyles, and employee-friendly conditions

Conducting Thorough Cross-Generational Discussions on Human Resource Themes and Measures

Launching the New Workstyle Project



Improving engagement

by having employees rethink their relationships with the Company and work

- Enhancing personal attributes and experience and investing in human resources
- Pursuing careers that allow each person to put their abilities to the best use (realizing careers based on high levels of self-selection)



Aiming to realize flexible workstyles

in terms of place and time

- Enabling diverse personnel to work with enthusiasm
- Collaborating with Group employees worldwide



Pursuing employee-friendly conditions

while reorganizing current workflows and moving forward with digitalization

- Increasing the efficiency of routine work and freeing up time
- Seeking rules and processes that enable frontline employees to work without undue stress
- Enhancing "My Contribution" program

"Contributions to society begin with frontline employees."

Seeking workstyles that are compatible with frontline operations and which create a sense of unity

Creating new value

Sustainable Solution Provider

Investing management resources

⟨talent, assets, investments, and data⟩

Using ESG yardsticks



Value the NYK Group Will Create Going Forward

Maximization of earnings



Sustainability of society and the environment

Creating new value

that will transform the NYK Group

Priority goals

— 1 —

Ensuring Safe Ship Operations

— 2 **—**

Reducing GHG Emissions **—** 3 **—**

Taking On Ambitious Initiatives in the Energy Field **—** 4

Addressing Social Issues

Existing fields •

→ New fields

| Creating new value |

Carrying Out Initiatives for the Social Implementation of Autonomous Ships

2040 2020 — 2021 — 2022 — 2025 •••• 2019 **R&D** on maritime Aiming for the realization of Use of open innovation for ambitious, technologyautonomous autonomous ship technology driven initiatives that address social issues surface ships that improves safety and # A 運 教 和 プロジェクト MEGURI 2040 ②② THE NIPPON FOUNDATION The DFFAS consortium reduces workloads **Complying with** Demonstration of laws and regulations consists of 30 companies, remote operation all of which help create **Gaining society's** of maritime innovations for the social understanding autonomous implementation of surface ships Creating autonomous ships. implementation benefits 株式会社 日本海洋科学 Japan Marine Science Inc. > Acquisition of Representative: (NYK Group) certification for Creating markets autonomous ship Communications framework satellite system Autonomous ship system

Aiming to realize new safe ship operations that protect people and the environment

APEXS-

auto

MEGURI 2040

Autonomous

ship framework

developed

by MTI

Onshore support center

Technological innovation

Conducted unmanned autonomous

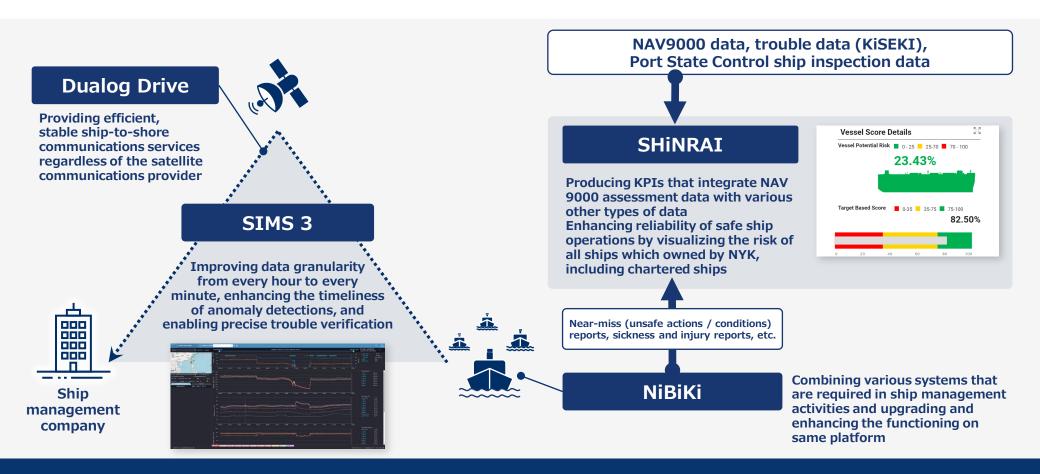
in the congested waters of a regular

navigation using a domestic coastal ship

February 2022

shipping route

Expanding and Enhancing Systems for Safe Ship Operations



Advancing digital transformation that enhances both safe ship operations and work efficiency

Actively Investing to Achieve Net Zero GHG Emissions



Total 45

LNG-fueled ships

35

In compliance with the IGF Code, conducting the prior training of crew members

Ammonia-fueled ships

2

- In 2024, ammonia-fueled tugboat scheduled to enter into service
- In 2026, ocean-going ship equipped with ammonia-fueled engine developed by Japan marine sector scheduled to enter into service

LPG-fueled ships

4

Methanol-fueled ships, etc.

4

Leading the way in the fuel conversion of the maritime shipping industry

| Creating new value |

Strengthening Service Provision Capabilities for Offshore Wind Power



Marine consulting















Offshore geotechnical investigation vessel

Conclusion of a memorandum of understanding with OYO and Fugro on an offshore geotechnical investigation partnership for the domestic offshore wind power industry



Aiming to begin service in FY2022

Self-elevated platform (SEP) vessel

Proceeding with preparations aimed at beginning ship operations in the second half of the 2020s

Crew transfer vessels (CTVs) for offshore wind power generation

Conclusion of a bareboat charter contract with Northern Offshore Services

Conclusion of a memorandum of understanding with Akita Eisen

> Steadily launching new services in step with the domestic public solicitation schedule

Product development progressing steadily and service capabilities currently being established

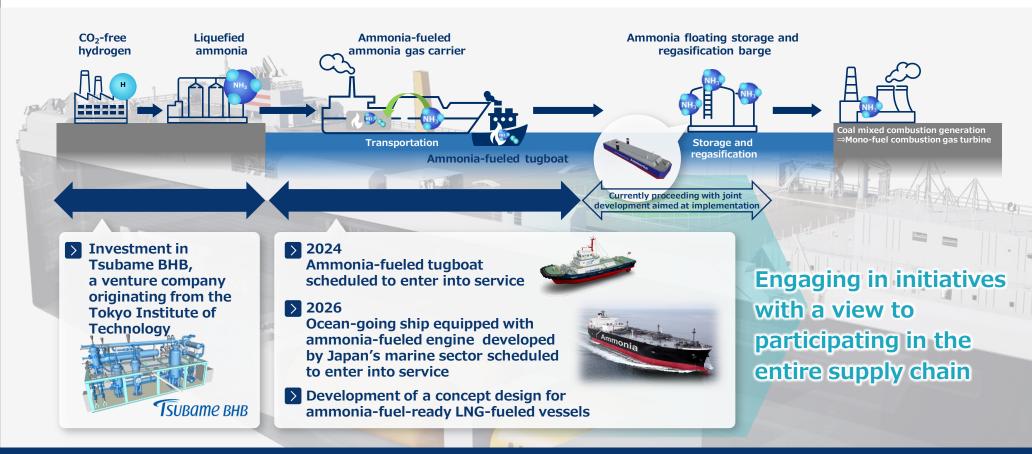
Branch office to open in Akita on April 1

Contributing to the development of offshore wind power in Japan by leveraging the NYK Group's strengths (technological capabilities,

expertise in the offshore business, and a network, etc.) and collaborating with European partners

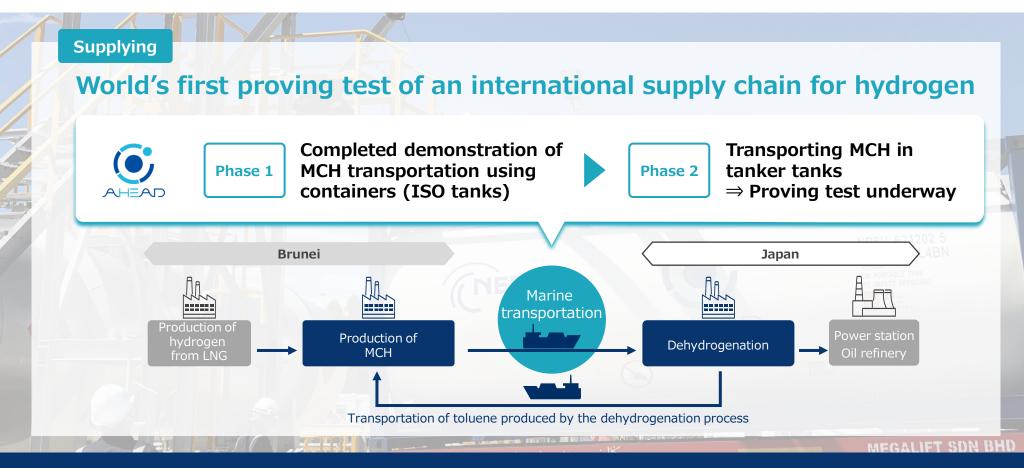
| Creating new value |

Collaborating with Partners to Drive the Building of an Ammonia Supply Chain



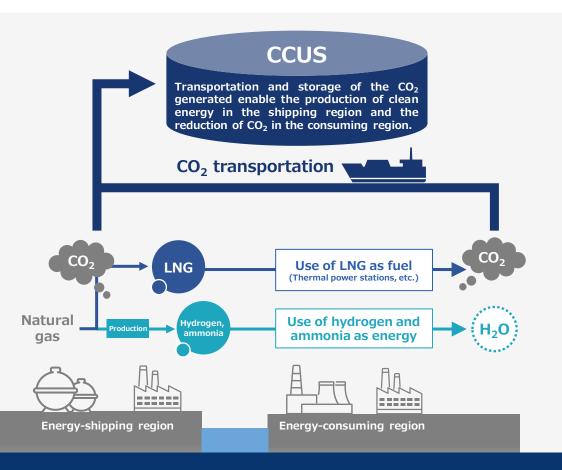
Not only developing technology for ammonia-fueled ships but also intending to lead in its implementation, including legal compliance and safety guidelines

Demonstrating the International Transportation of Hydrogen in the Form of MCH*



Progressing toward the establishment of a hydrogen supply chain

Beginning the CO₂ Transportation Business, a Future Growth Field



Establishment of liquefied CO₂ transportation and storage joint venture with the Knutsen Group

Aiming to begin operations in the mid-2020s





Conclusion of an agreement with Mitsubishi Shipbuilding on the joint development of technologies for transporting CO₂



Taking advantage of knowledge gained in Europe to lead the world in social implementation

Increasing Participation in International Decarbonization Initiatives

Participating in international assessment projects aimed at the decarbonization of marine fuels



Mærsk Mc-Kinney Møller Center *1 for Zero Carbon Shipping

- Keeping abreast of information on the latest developments by building networks with leading companies in Europe and in other industries
- Dispatching NYK technicians and working with other companies to advance decarbonization feasibility studies

Communicating with the international community and other industries and thereafter cultivating cross-industry partnerships

Became the only Japanese shipping company to participate in COP26 and highlighted our initiatives for decarbonization of the maritime shipping industry



> Endorsement of Green Corridors*2



Contributing to decarbonization of the world through co-creation with various industries and companies

^{*1} An international research center tasked with promoting decarbonization of the maritime and shipping industries through conversion to alternative fuels

^{*2} An international cross-industry initiative that was announced at COP26 and which is aimed at promoting decarbonization of maritime and shipping industries worldwide by realizing the operation of ships powered by zero-emission fuels on certain shipping routes of the global core trade.

Steady Growth in the Use of Electronic Money for Crews' Salaries Launch of Loans, Insurance Products, and Other Financial Services



>

Number of users*

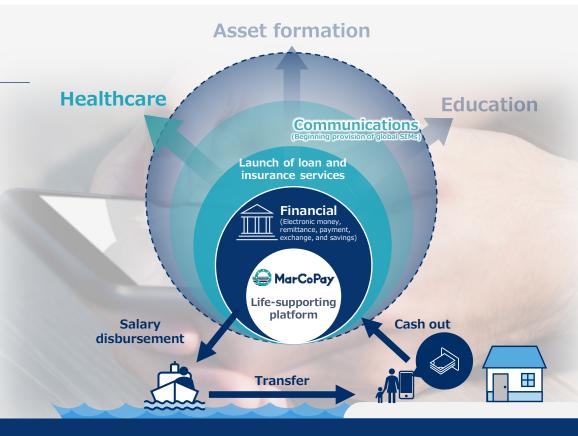
As of March 2022

More than **6,500**

* Total number of members using the service to receive salaries, transfer eMoney, or take out loans (including non-NYK crew members)

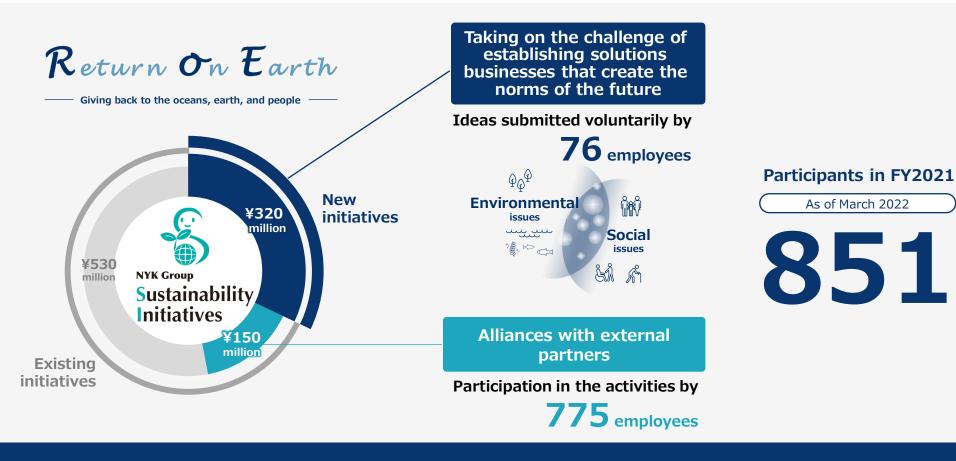
Launch of MCP eMarket, offering and brokering loans and insurance for homes, automobiles, etc.

Prepaid Visa cards—to be offered very soon! Financial literacy seminars will also be offered.



Will continue to focus on increasing functionalities and the user base, and providing opportunities to support maritime industry stakeholder

Creating and Developing Solutions Businesses Aimed at Enhancing Corporate Value



In FY2021, more than 30 new proposals have been discussed and analyzed.

Ship recycling



At scrapping yards, supporting the establishment of supervisory systems for occupational health and safety improvements as well as environmental measures, such as the prevention of pollutant discharges into the ocean

Ocean plastic waste



Participating in projects in the Philippines to restore rivers that cause environmental pollution and floods

Forest projects



Efforts by NYK group to revive biodiversity of ruined forests; initiatives that contribute to local communities and raise Group employees' awareness of environmental conservation and GHG emissions reduction activities

Actively encouraging Group employees to take on ambitious initiatives that address social and environmental issues and lead to innovation and the seeds of new businesses

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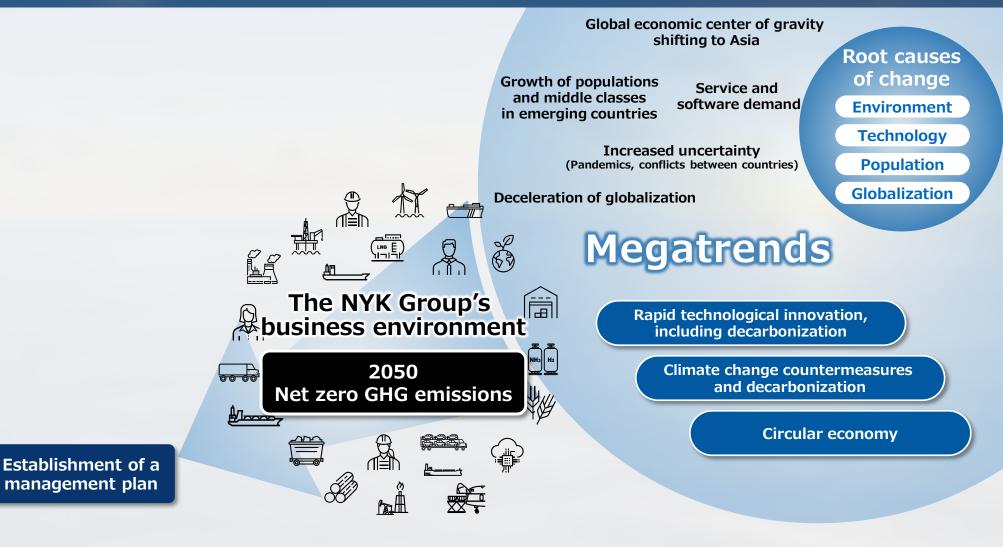
A progress on the drafting medium-term management plan based on a long-term perspective



Formulation of Long-Term Scenarios That Will Serve as a Management "Compass"



Discussing the NYK Group's 2050 Vision with Consideration Paid to the External Environment and Analysis of Risks and Opportunities



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Five Strategies for Sustainable Growth: ABCDE-X

Core strategies

AXAmbidexterity

Further development of existing core businesses and investments in new growth businesses

Reforming existing businesses and increasing earnings

Developing and investing in new businesses

BX
Business
Transformation

Exploitation of existing core businesses

Exploration of new businesses

Strategically developing growth businesses for the future

Supporting strategies

Digital
Transformation

- Introduction of autonomous ships
- Expansion of solutions businesses

Ex Energy Transformation

- Introduction of zero-emission ships
- Expansion of green business

CX Corporate Transformation

Changing human resources, organization and corporate culture to enable BX

Innovative personnel

Becoming an organization with diversity and plurality

Hiring and fostering of skilled personnel

Promoting Ambidexterity (AX) in Light of the 2050 Business Environment and Target Profile

Core strategies



Implementing two types of business transformation (BX) through strategic investment plans



Exploitation of existing core businesses

Promoting the introduction of zero-emission ships

to ensure an environmental advantage and maintain a solid earnings base

Exploration of new businesses



based on knowledge cultivated in existing core businesses

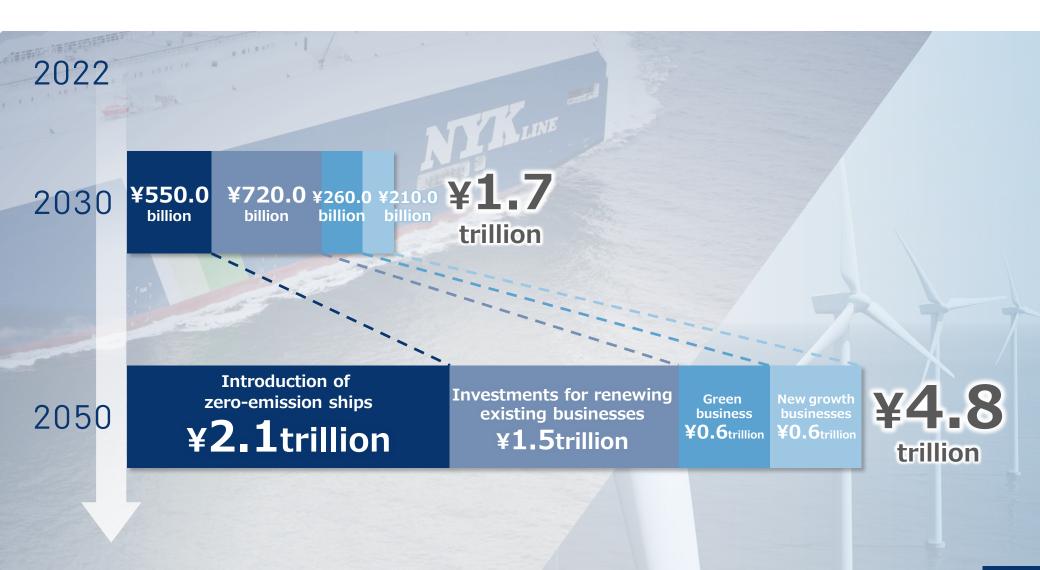
- Offshore wind power value chain business
- Hydrogen and ammonia value chain business
- LNG and ammonia fuel bunkering
 business
- business
 CO₂ transportation and CO₂ capture,
- utilization, and storage (CCUS) business business
- · Offshore power generation business
- Ship value chain business
- Drv bulk terminal business

- Biomass value chain and transportation business
- Low-carbon offshore business and resource exploration business
- Logistics supply chain and solutions
- Logistics supply chain and solutions business
- Comprehensive automobile logistics
 business

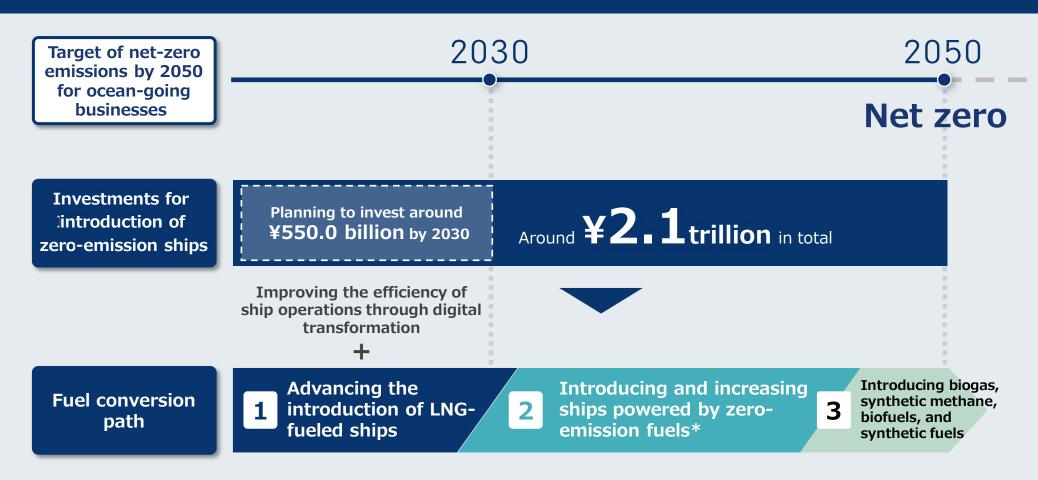
Strategic Investments, Particularly in **Environment-Related Fields**



Strategic Investments, Particularly in Environment-Related Fields



Roadmap for Achieving Net-Zero Emissions by 2050 for Ocean-going Businesses



- This roadmap has been prepared based on the Company's current projections with respect to technological innovation, economic efficiency, laws, regulations, and policies. The roadmap will be revised in step with changes in these projections.
- GHG emissions reduction targets are for the Company's operating ships.

^{*} The amount of investment in ships powered by zero-emission fuels is premised on the introduction of ammonia-fueled ships.

Fuel conversion path

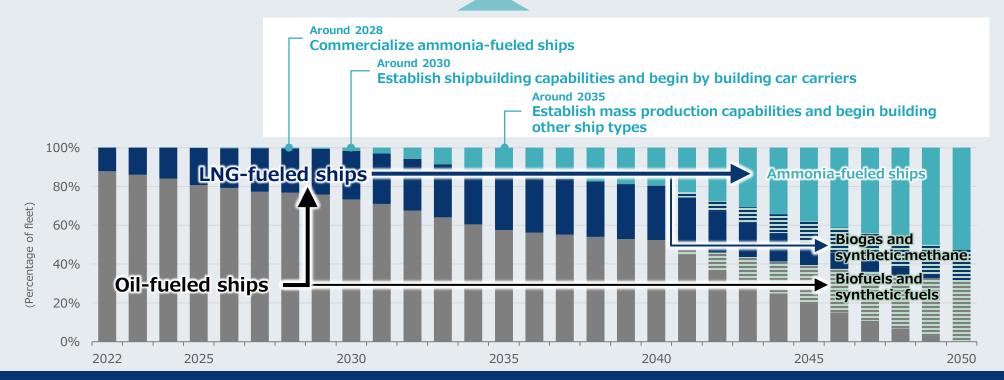
Promoting the Best Conversion Mix through Collaboration with **Domestic and Overseas Partners** Leading the Way in Innovation for the Social Implementation of **Decarbonized Ships**

Accelerate the introduction of **LNG-fueled** ships*1

Introduce and increase ships powered by zeroemission fuels*2

Regarding LNG-fueled ships for which the realization of zero emissions is difficult, convert to biogas or synthetic methane

Convert small ships that are incompatible with LNG fuel to biofuels or synthetic fuels



^{*1} LNG-fueled ships include LNG carriers.

^{*2} The amount of investment in ships powered by zero-emission fuels is premised on the introduction of ammonia-fueled ships.

GHG emissions reduction scenario

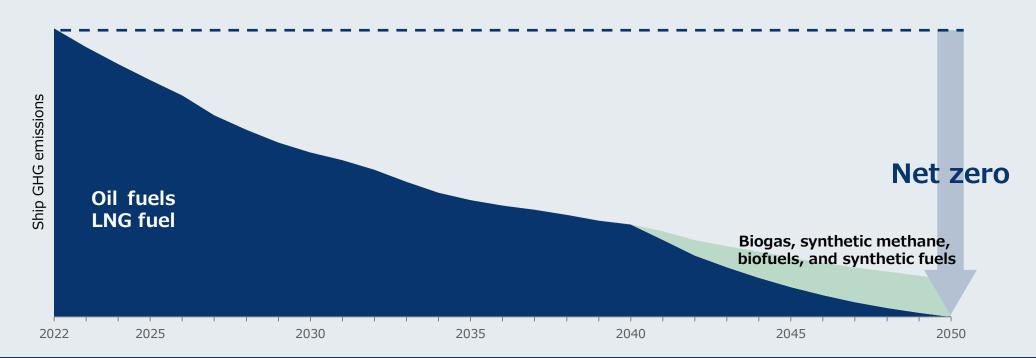
With a View to Ship Decarbonization, Conducting Trials in Accordance with the Stage of Technological Development or Implementation

- Improve the efficiency of ship operations through digital transformation and accelerate the introduction of LNG fuel to reduce the GHG emissions of ships
- 2 Invest in ships powered by zero-emission fuels* to reduce GHG emissions by more than 80%

Convert certain ship types to biogas, synthetic methane, biofuels, and synthetic fuels

3

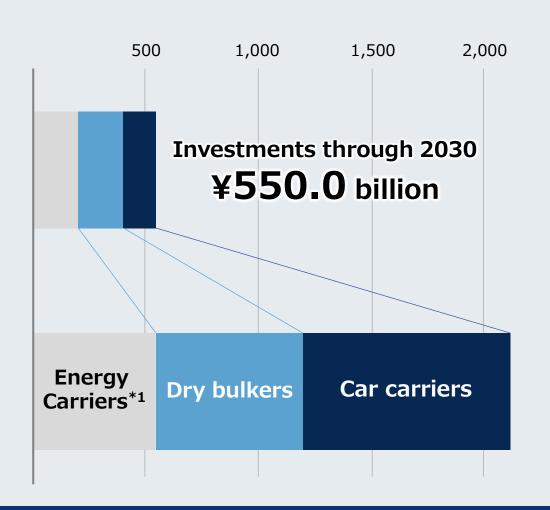
Achieve Net zero



^{*} The amount of investment in ships powered by zero-emission fuels is premised on the introduction of ammonia-fueled ships.

Investments for introduction of zero-emission ships

Planning to Invest a Total of Around ¥2.1 Trillion in Converting the Existing Fleet to Zero-Emission Ships



LNG-fueled ships

Advance as a practical solution aimed at achieving low carbon levels in the interim

Beginning from 2030s, build LNG-fueled ships for which conversion to ammonia fuel is possible Ships powered by zero-emission fuels*2

Begin investments aimed at social implementation



Increase ships while closely monitoring the progress in developing fuel supply infrastructure

2022-2050 Total investment around

¥2.1 trillion

^{*1} Investments in energy carriers do not include investments in LNG carriers.

^{*2} The amount of investment in ships powered by zero-emission fuels is premised on the introduction of ammonia-fueled ships.

Realizing the NYK Group ESG Story Toward Realization of Sustainable Growth Strategies

Providing value to clients

 Evolving into a corporate entity that is the preferred logistics provider of even more clients worldwide

Contributing to a sustainable society

- Meeting responsibility to support the stable transportation of existing energy
- Providing low-carbon and carbon-free solutions

Earning and investing simultaneously

 Securing profitability commensurate with large environment-related investments aimed at realizing a carbon-neutral society

Classifying climate-related risks and opportunities in line with the recommendations of the Task Force on Climate-related Financial Disclosures and strategically planning in accordance with these recommendations

Thoroughly Integrating the ESG Management Discussions and Measures Implemented to Date with Growth Strategies and Accelerating Them

Announcement of next medium-term management plan scheduled

2022

2021
Announced the NYK Group ESG Story



2018

Incorporated ESG into management strategies **Bringing value to life.**

- **■** Established the ESG Management Promotion Group
 - **▶** Established the ESG Management Committee
 - **Established the Sustainable Growth Task Force**

Aiming to Enhance the Corporate Value of the NYK Group by Sustainably Creating Corporate and Social Value

ESG management

that ignites Group employees with enthusiasm and makes us the preferred choice of clients

