# The NYK Group ESG Story 2022

March 24, 2022





## 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

**Basic philosophy** 

Bringing value to life.

#### Advancing ESG management that steadily initiates transformation

Nippon Cargo

Developing Sustainable growth strategies by backcasting

## 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 Chapter 1.

# Acceleration of ESG Management

A review of the first fiscal year



#### Creating new value

# Sustainable Solution Provider

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

# Using ESG yardsticks

#### **Encouraging Each Employee to Use ESG Yardsticks**

## **ESG Navigators**

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

#### Platform that advances ESG management

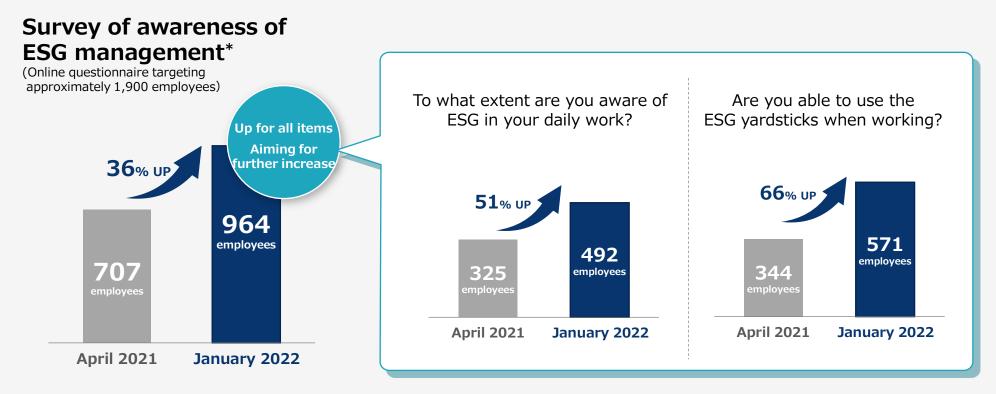
Gathering opinions from a wide range of age groups and encouraging vigorous exchanges of opinions

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.

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Strengthening the foundations of ESG management

#### 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

#### **ESG Management Committee**

Sharing the concept of ESG management through study sessions, interviews, and discussions

**Respective headquarters** 

Sharing the details of discussions and examining proposed KPIS of respective headquarters

Encouraging open discussions that connect the organization vertically, horizontally, and diagonally

# 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 Reinforcing human resources and organizations

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



"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

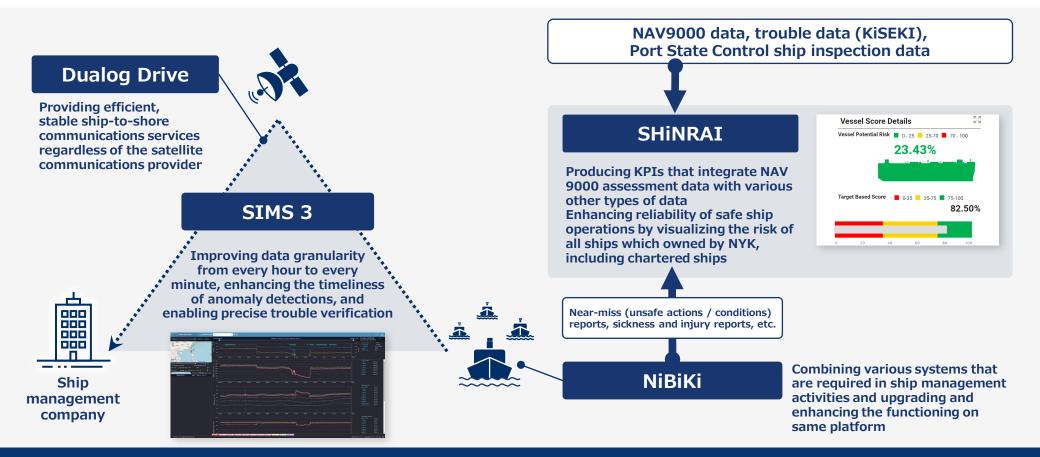
#### Carrying Out Initiatives for the Social Implementation of Autonomous Ships



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

#### Creating new value

#### 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



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

#### Creating new value

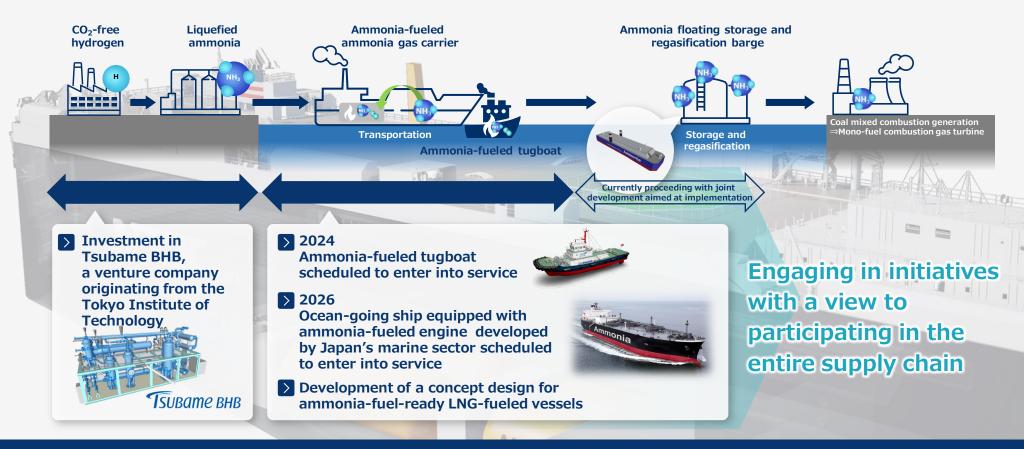
#### **Strengthening Service Provision Capabilities for Offshore Wind Power**



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

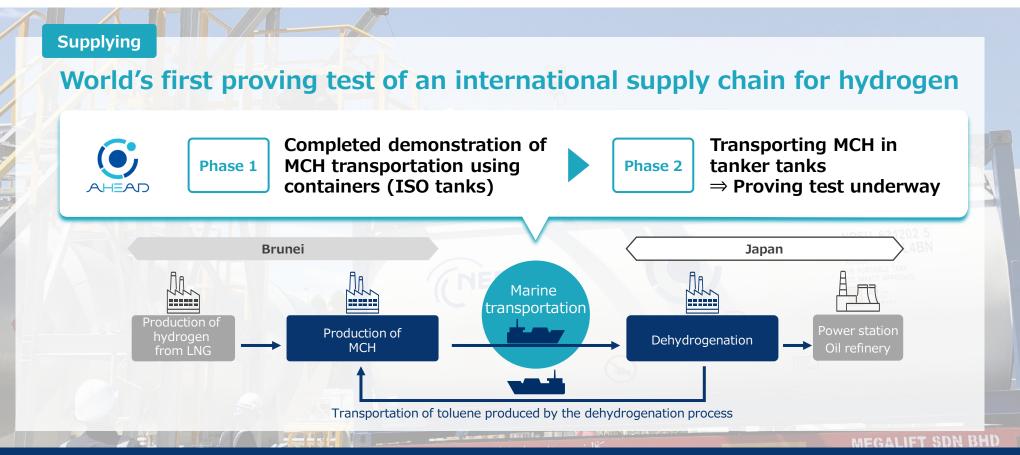
Creating new value

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



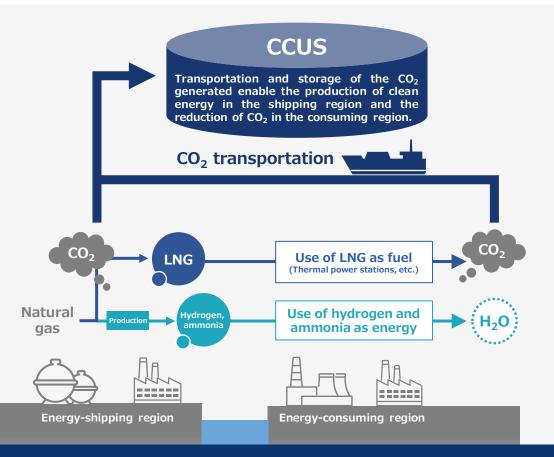
Not only developing technology for ammonia-fueled ships but also intending to lead in its implementation, including legal compliance and safety guidelines | Creating new value |

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



#### Progressing toward the establishment of a hydrogen supply chain

#### **Beginning the CO<sub>2</sub> Transportation Business, a Future Growth Field**



### Establishment of liquefied CO<sub>2</sub> 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 CO<sub>2</sub>



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



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# 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.

Creating new value

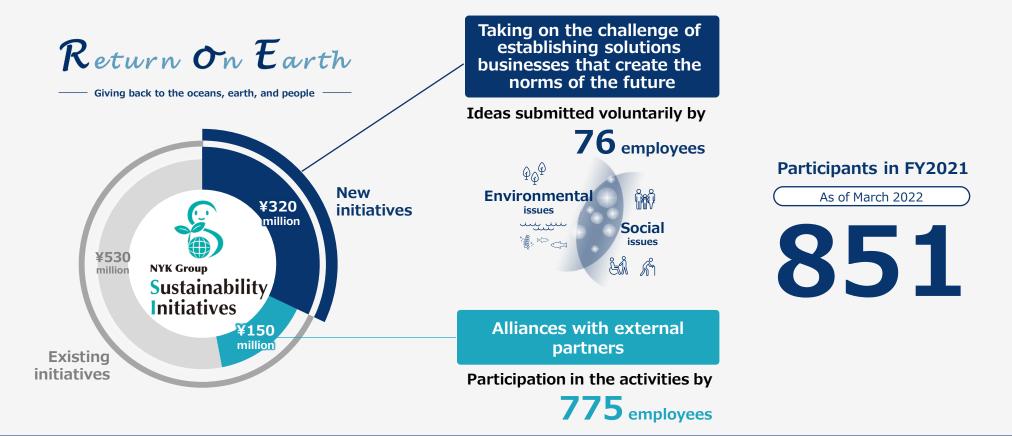
#### Steady Growth in the Use of Electronic Money for Crews' Salaries Launch of Loans, Insurance Products, and Other Financial Services



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

| Creating new value |

#### 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

#### Chapter 1.

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## **Toward Realization of Sustainable Growth Strategies**

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

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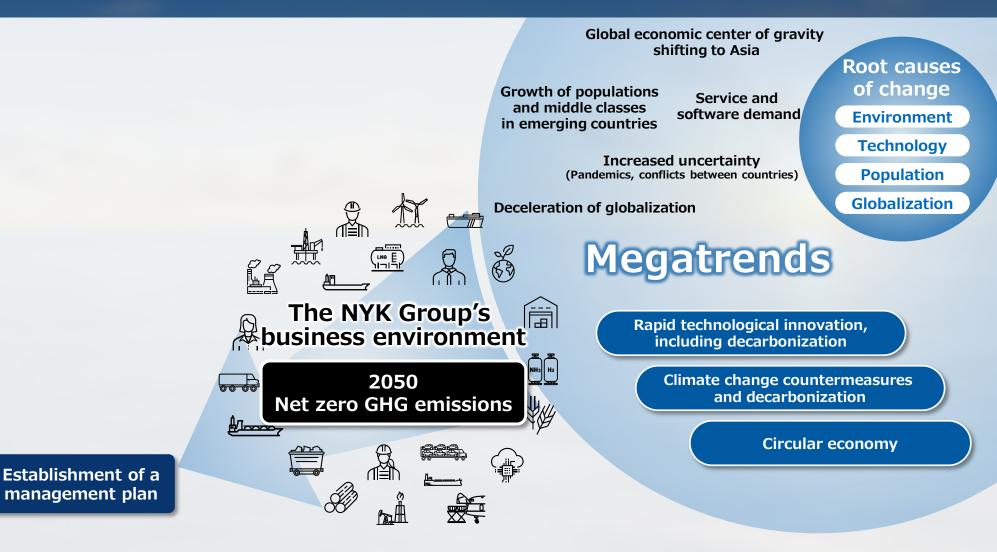
A progress on the drafting medium-term management plan based on a long-term perspective



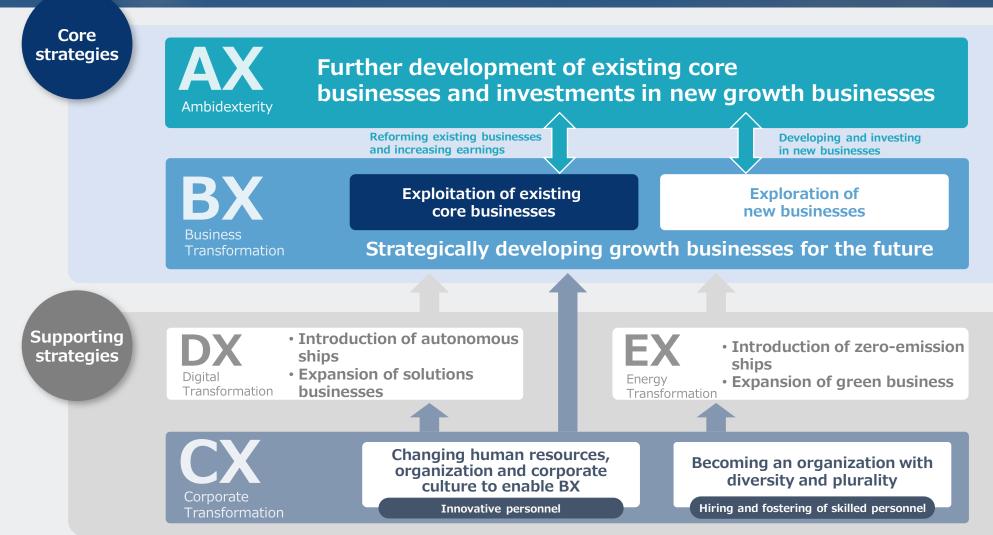
### Formulation of Long-Term Scenarios That Will Serve as a Management "Compass"



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

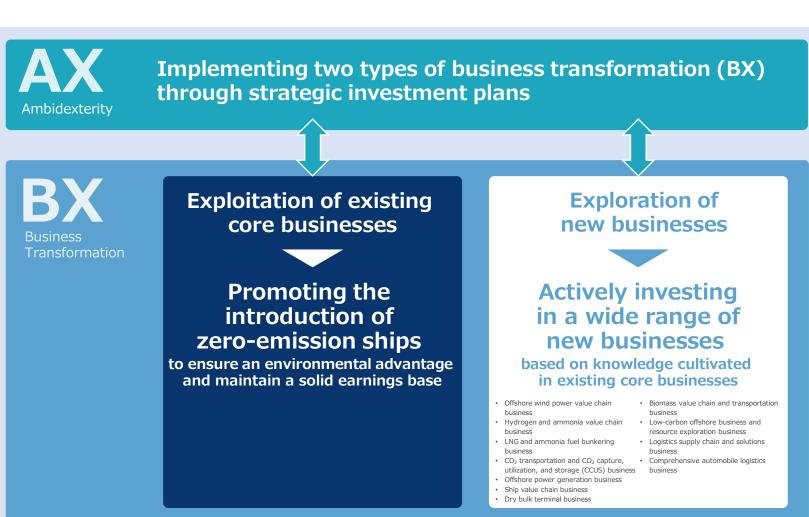


## Five Strategies for Sustainable Growth: **ABCDE-X**



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

Core strategies



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

Exploitation of existing core businesses

#### **Reinforcement investments**

¥3.6 trillion

Exploration of new businesses

**Growth investments** 

¥1.2 trillion



Introduction of zero-emission ships ¥2.1trillion Investments for renewing existing businesses ¥1.5trillion

2022-2050 Total investments

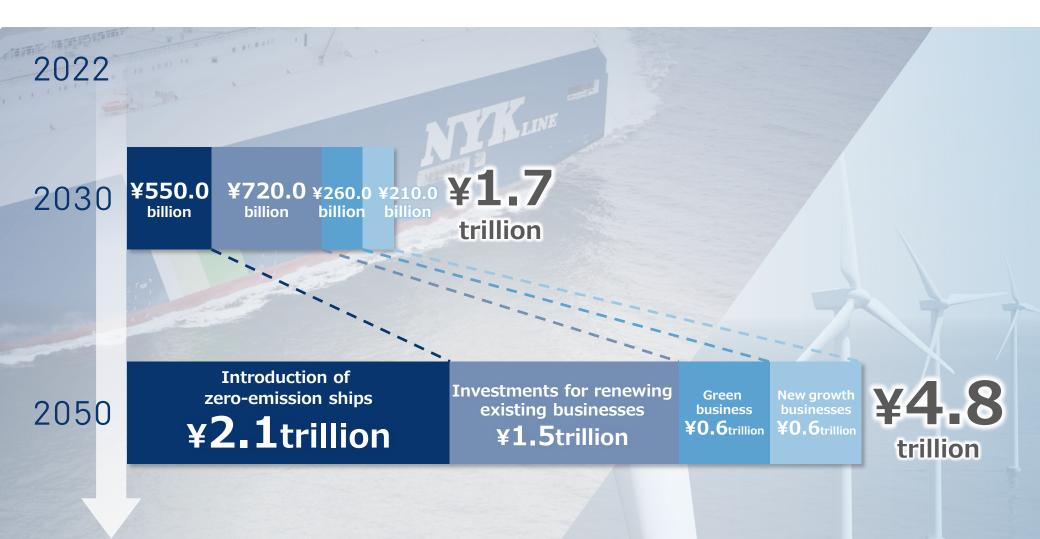
¥4.8 trillion

Green business ¥0.6trillion

> New growth businesses ¥0.6trillion

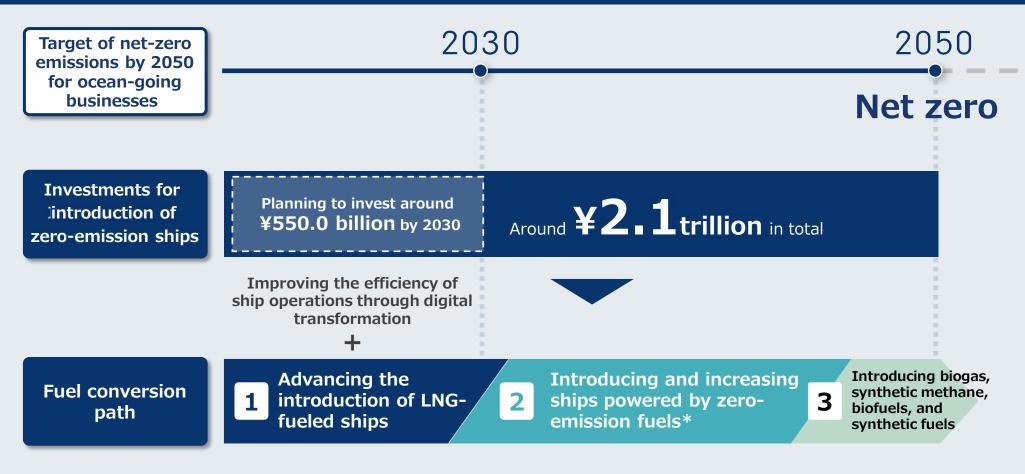
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#### Strategic Investments, Particularly in Environment-Related Fields



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

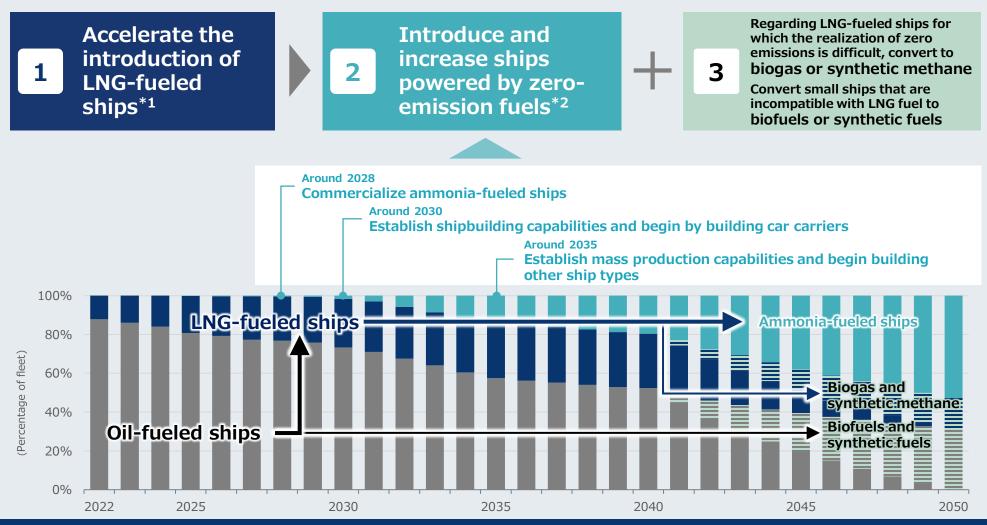


- This roadmap has been prepared based on the Company's current projections with respect to technological innovation, economic efficiency, laws, regulations, and policies. The roadmap will be revised in step with changes in these projections.
- GHG emissions reduction targets are for the Company's operating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



\*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

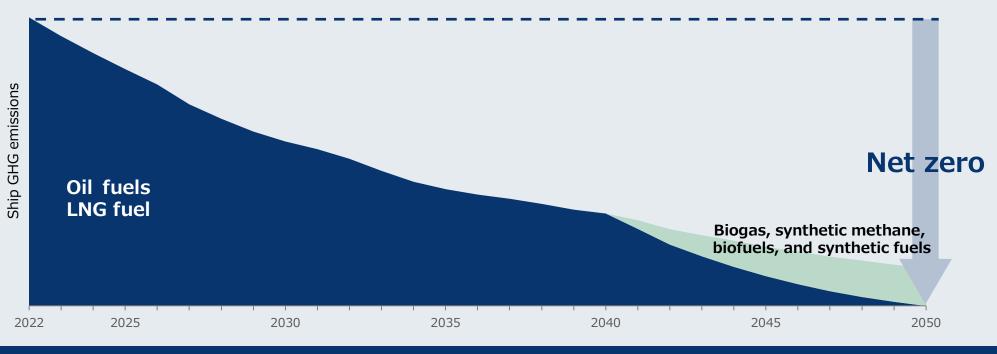
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## With a View to Ship Decarbonization, Conducting Trials in Accordance with the Stage of Technological Development or Implementation

Improve the efficiency of ship operations through digital transformation and accelerate the introduction of LNG fuel to reduce the GHG emissions of ships

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

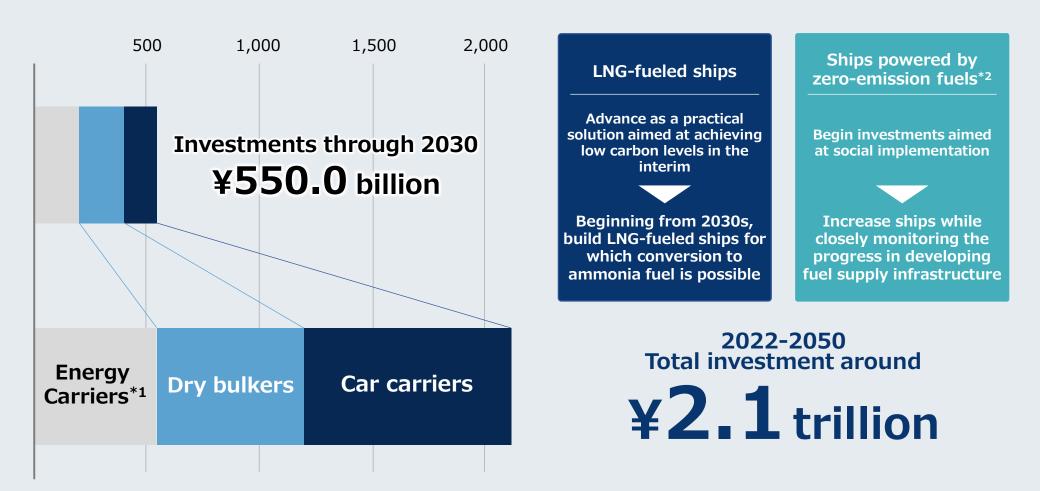
Achieve Net zero



2

#### 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



\*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



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 2023 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

