

Environments targets for 2026

Environmental Vision 2050		Environmental Targets for 2026
2050 Targets	2030 Interim milestones	
<p><u>Our Decarbonization</u></p> <p>•Take on the challenge of net-zero GHG emissions</p>	<p><u>Our low-carbonization</u></p> <p>CO2 emission efficiency improved by 50% compared to 2008</p>	<p><Reinforcement of measures to improve operational efficiency (fuel efficiency)></p> <ul style="list-style-type: none"> •Reduce emissions through efficient navigation, optimized fuel usage, and higher operational utilization •Enhance fuel efficiency management through data utilization (GHG visualization, EEOI, hull coating optimization) •Improve efficiency from both operational and management perspectives, including cleaning, DX, and regulatory compliance <p><Study the introduction of low-carbon and decarbonized fuels.></p> <ul style="list-style-type: none"> •Promote fleet transition centered on next-generation fuels and the introduction of new-fuel vessels •Reduce fuel-related emissions through optimized LNG fuel operations and recycling initiatives •Visualize fuels and fleet composition based on GHG targets and support the transition in coordination with technological development <p><Demonstration and deployment of the automatic kite system “Seawing”></p> <ul style="list-style-type: none"> •Development of the wind-assisted propulsion system “Seawing” •Consideration toward installation on car carriers and commercialization of Seawing <p><Study and introduction of other new technologies></p> <ul style="list-style-type: none"> •Promote the practical application of innovative technologies such as onboard CO₂ capture and environmentally friendly materials, and expand the introduction of energy-saving equipment •Strengthen GHG emissions reduction technologies, including methane slip and N₂O countermeasures, as well as improvements in combustion efficiency •Consider low-carbon operations, including the use of shore power supply to reduce CO₂ emissions during port stays <p><Onshore initiatives></p> <ul style="list-style-type: none"> •Promote energy conservation by reducing electricity consumption at onshore offices (target: keep total consumption at Iino Building and Fort Tower below 200,000 kWh in the first half and 202,000 kWh in the second half) •Enhance corporate value through capital policies and portfolio management that contribute to decarbonization •Promote environmental initiatives and strengthen risk management through legal support •Expand customer development and related businesses by capturing GHG reduction needs •Promote decarbonization measures through the use of renewable energy (e.g., virtual PPAs) and environmental value
<p><u>Support for social Zero CO2 emissions improvement</u></p> <p>•Becoming a player in new energy transportation and supply that supports social decarbonization</p>	<p><u>Support for social low CO2 emissions improvement</u></p> <p>Strengthen activities to promote new energy transportation and supply for social low-carbonization</p>	<p><Development and expansion of new businesses contributing to a low-carbon society></p> <ul style="list-style-type: none"> •Promote research, transportation, and supply chain development related to next-generation energy such as new fuels, CCS, and ammonia •Participate in and expand low-carbon infrastructure businesses such as offshore wind power •Enhance decarbonized transportation services through the utilization of LNG/ammonia bunkering vessels and existing assets •Capture decarbonization demand by introducing transportation of new cargoes such as direct reduced iron (DRI) and liquefied CO₂ •Create low-carbon business opportunities through new transportation projects and collaboration with existing customers •Contribute to emissions reduction across the value chain through green procurement, energy-saving initiatives, and internal activities

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<p><u>Our zero environmental impact to the utmost on oceans and atmosphere</u></p> <ul style="list-style-type: none"> •Zero oil pollution accidents •Zero environmental impact to the utmost on oceans and atmosphere in operation 	<p><u>Reduction of our environmental impact on oceans and atmosphere</u></p> <p>Reduction of environmental impact on the ocean and atmosphere in ship operations including zero oil pollution accidents</p>	<p><Promotion of initiatives to achieve zero oil spill incidents></p> <ul style="list-style-type: none"> •Ensure strict safety operation management and maintenance systems to sustain zero major incidents (oil spills, fires, etc.) •Strengthen day-to-day operational management based on zero oil leakage and proper handling of cargo residues •Thoroughly implement measures to mitigate equipment-related oil spill risks, including prevention of equipment failures and fuel tank overflows •Enhance vessel quality and maintenance management, including improvements in inspection ratings (ICBT) •Minimize accident risks by strengthening large-scale emergency drills and response capabilities <p><Reduction of environmental impacts in vessel operations></p> <ul style="list-style-type: none"> •Mitigate impacts on marine ecosystems through measures such as the installation of ballast water treatment systems •Reduce marine pollution risks by considering the adoption of environmentally friendly antifouling coatings •Accumulate operational expertise for low-environmental-impact operations through LNG-fueled vessel operations •Promote safe and environmentally responsible vessel operations using advanced technologies <p><Reduction of air pollutants emitted from vessels (black smoke, PM, CO₂, SO_x, NO_x)></p> <ul style="list-style-type: none"> •Reduce emissions by ensuring compliance with SO_x and NO_x regulations and optimizing operations •Reduce environmental impact through measures such as lubricating oil reduction, VOC (volatile organic compounds) emission control, and consideration of low-impact refrigerants <p><Minimization of resource consumption and waste generation onboard vessels></p> <ul style="list-style-type: none"> •Reduce waste generation through the thorough implementation of proper onboard waste management <p><Reduction of environmental impacts in shore-based operations></p> <ul style="list-style-type: none"> •Promote resource efficiency and waste reduction by reducing waste generation and restricting office paper usage at business sites (target: less than 1,000 sheets per person in both the first and second halves at Iino Building and Fort Tower combined) •Enhance environmental awareness and knowledge through internal training, awareness programs, and participation in seminars •Suppress the adoption of equipment containing hazardous substances in compliance with the Minamata Convention •Implement office-level actions to reduce electricity consumption and waste generation <ul style="list-style-type: none"> •Support ESG management and reduce corporate risks by leveraging legal and risk management functions •Enhance corporate value through capital policies and investment management aimed at decarbonization and low-carbon initiatives <p><Provision of environmental training and education for crew members / personnel></p> <ul style="list-style-type: none"> •Ensure thorough understanding of environmental awareness and roles through briefings and training programs •Improve safety and environmental response capabilities through technical training and TTOS (conducted at least twice a year) •Promote preventive behavior through awareness activities on marine accidents and oil spill prevention •Continuously improve training content in alignment with EMS <p><Promotion of dialogue with stakeholders></p> <ul style="list-style-type: none"> •Strengthen collaboration with shipowners, ship management companies, and charterers through regular meetings and visits •Share environmental and operational challenges at safety liaison meetings •Enhance information disclosure and expand opportunities for stakeholder communication (e.g., integrated reports) •Promote overall improvement through dialogue with investors and suppliers
<p><u>Support for social environmental improvement</u></p> <ul style="list-style-type: none"> •Support for social environmental improvement •Leader in protection of the ecosystem 	<p><u>Support for social environmental improvement</u></p> <p>Enhancing dialogue and activities for improving the social environment</p>	<p><Enhancement of green ship recycling practices></p> <ul style="list-style-type: none"> •Promote appropriate ship recycling through proper management of hazardous materials inventory for each vessel (IHM management) •Ensure compliance with the Hong Kong International Convention for the Safe and Environmentally Sound Recycling of Ships <p><Promotion of environmental conservation volunteer activities></p> <ul style="list-style-type: none"> •Enhance environmental awareness through participation in and expansion of social contribution and volunteer activities (across the Group)