K-eco (2026) - Management Planning PE-8

A Global Leader for Sustainable Environment



Korea Environment Corporation

WE SUPPORT UN GLOBAL COMPACT

Leadership Message

“K-eco will lead the journey toward a cleaner planet, a happy society, and a sustainable future.”



Dear Stakeholders,

Demands for action on the climate crisis, resource scarcity, environmental safety, and social responsibility are higher than ever. Sustainability is no longer a choice for the future, but a necessity today. Public institutions have entered an era in which they must drive new change on the basis of environmental value, social responsibility, and transparent governance. K-eco has played a leading role in implementing Korea’s environmental policies, guided by our institutional purpose, “A sustainable future, an environment shared by all.” We now seek to create greater social value through ESG management.

We will build a sustainable future by leading carbon neutrality and the circular economy.

K-eco is actively pursuing its 2040 organizational carbon-neutrality target and supporting national carbon-neutrality policies. We are driving national GHG reductions by advancing the operation of the Emissions Trading System and administering climate finance and budgeting systems. We are also working to prevent environmental pollution by expanding eco-friendly mobility and establishing advanced environmental monitoring systems. In addition, we are accelerating the transition to a circular economy through the higher-value use of waste resources and digital innovation in waste management. Going forward, K-eco will continue to position carbon neutrality and the circular economy as core values for future growth, support the successful implementation of national environmental policies, and expand its capabilities and leadership in global environmental business, thereby fulfilling its responsibilities and role as a world-class environmental institution.

We will realize social value by respecting people and growing together.

K-eco places people first and is creating a safe and fulfilling workplace based on an organizational culture that respects human rights and diversity. We are also advancing mutual growth through collaboration with a wide range of stakeholders, including the public and private sectors, SMEs, and local communities. Above all, we provide diverse public environmental and safety services— such as creating a healthy water environment and responding to water-related disasters, managing chemical safety, and reducing hazards in the living environment— so that people can enjoy healthy and comfortable living conditions. K-eco will continue to build a sustainable society shared by all by supporting the growth of its employees, pursuing mutual growth with external stakeholders, and delivering environmental welfare that people can experience in their daily lives.

We will lead ESG management based on trust and transparency.

Sustainable institutions grow on the trust of their stakeholders. K-eco will strengthen board-centered responsible management and advance its ethics and compliance systems to firmly establish a culture of integrity and transparency. We will also set a new standard for ESG management in the public sector through AI- and digitally driven management innovation, data-based decision-making, proactive information disclosure, and broader communication with the public.

K-eco will continue to move unwaveringly toward its vision of becoming “a global environmental institution leading the carbon-neutral era.” At the heart of the journey to create a cleaner planet, a happy society, and a sustainable future, we will lead change together with the public and fully honor our responsibility to pass on a better environment to future generations.
Thank you.

Acting Chairman of K-eco
Executive Director of Management & Planning Division
Kwang Myoung Cha

K-eco Overview & ESG Management

Korea Environment Corporation Overview

K-eco is a public institution under the Ministry of Climate, Energy and Environment, established in January 2010 through the integration of the Korea Environment & Resources Corporation and the Environmental Management Corporation. In accordance with the Korea Environment Corporation Act, K-eco strives to contribute to national development by facilitating the transition to a carbon-neutral society through projects focused on preventing environmental pollution, improving the environment, advancing resource circulation, and reducing GHG emissions projects in response to the climate crisis.

General Status
(As of March 2026)

Institution Name	Korea Environment Corporation (K-eco)	**Institution Type**	Quasi-governmental institution (commissioned-service type)
Date of Establishment	January 1, 2010	**Legal Basis**	Article 1 of the Korea Environment Corporation Act (Act No. 21065)
Competent Authority	Ministry of Climate, Energy and Environment	**Head Office Location**	Comprehensive Environmental Research Complex, 42, Hwangyeong-ro, Seohae-gu, Incheon Metropolitan City
Head of Institution	Lim Sang-jun	**Employees**	3,271 (executive officers + regular employees)



2026 K-eco Sustainability Report Full Version

2026–2030 K-eco Mid-to-Long-Term ESG Management Strategy

Vision

A Clean Planet, Happy Society, and Sustainable Future Created by K-eco

Slogan

The Green Future Envisioned by K-eco

Key Goals

Environmental	Social	Governance
Institutional Carbon Neutrality by 2040 National Resource Circulation Target: 84%	Highest Rating in the Shared Growth Evaluation Grade 1 in the Safety Management Rating	Grade 1 in the Comprehensive Integrity Assessment Highest Rating in the Comprehensive Information Disclosure Evaluation

Strategic Direction

Lead the Realization of Carbon Neutrality	Fulfill Social Responsibility through Professional Environmental Services	Strengthen Trustworthy and Transparent Management

10 Key Issues

3 Key Issues	4 Key Issues	3 Key Issues
Carbon Neutrality (RE100), Circular Economy, Environmental Management	Human Rights, Labor (Jobs), Customers, Mutual Growth with Local Communities	Board of Directors, Anti-Corruption and Ethical Management, Stakeholder Communication

Strategic Tasks (12)

1. Achieve institutional carbon neutrality by 2040 2. Support national carbon neutrality implementation 3. Advance the circular economy and waste-to-energy conversion 4. Lead environmental services responding to the climate crisis	5. Strengthen the human rights management system 6. Ensure fair recruitment and create a happy workplace 7. Advance safety management and information security 8. Enhance customer satisfaction management and support SMEs and local communities	9. Strengthen Board of Directors governance 10. Strengthen ethical and compliance management and the anti-corruption system 11. Activate information disclosure and communication 12. Improve management efficiency and sustainability

Implementation Tasks (35) Detailed Action Tasks (77)

13, including achieving institutional carbon neutrality by 2040 30, including implementation of the carbon neutrality scenario roadmap	13, including strengthening the human rights management system 28, including human rights risk management and internalization of human rights values among employees	9, including strengthening the functions of the Board of Directors 19, including strengthening board participation in ESG management

K-eco's Contribution to the International Community for a Sustainable Future

Participating in Global Climate Action

K-eco participates in international climate action by joining Korea's government delegation to UN climate change negotiations and supporting the development of Korea's Nationally Determined Contribution (NDC) for greenhouse gas reduction. Through international reduction projects, K-eco also supports greenhouse gas reduction and sustainable development in developing countries.

Sharing Korea's Environmental Policies and Technologies with the International Community

K-eco shares Korea's environmental management experience and technologies—in fields such as air quality and resource circulation—tailored to the conditions of partner countries. Through ICT-based environmental management, the use of environmental satellites, and the dissemination of K-EPR (Korea Extended Producer Responsibility), K-eco supports the development of environmental management capacity and institutional systems in partner countries.

Building the Capacity of People and Institutions Together

Beyond the transfer of facilities and technologies, K-eco shares its policy experience and expertise in ESG, the circular economy, and waste management to help partner countries independently implement sustainable environmental policies, and expands knowledge cooperation to strengthen the capacity of government officials and related institutions.

Expanding Connections to Solve Environmental Problems through Global Partnerships

K-eco collaborates with international organizations such as UNESCO, OECD, the World Bank, and UNDP on expert dispatch, joint project development, and digital and AI-based environmental cooperation. Going forward, K-eco will continue to expand its global environmental cooperation platform connecting governments, international organizations, development cooperation agencies, and the private sector.

Status of Green ODA Projects



Uzbekistan
KRW 8.5 Billion (2023-2026)

- Project Details
  - Install a 300 kW LFG Power Generation Facility
  - Improve the Landfill Site
- Expected Effects
  - Secure 300 kW of Sustainable Energy
  - Reduce Annual Greenhouse Gas Emissions by 1,200 Tons

Egypt
KRW 10.1 Billion (2023-2027)

- Project Details
  - Construct an Education and Training Center (265 m^3)
  - Build a Waste-to-Resource Facility (150 Tons/Day)
- Expected Effects
  - Strengthen the Capabilities of Facility Operators
  - Build the Capacity of 10 Participants, including Policymakers

Uganda
KRW 8.1 Billion (2023-2026)

- Project Details
  - Install a Fecal Sludge Pretreatment Facility (60 m^3)
  - Provide Equipment and Build Capacity (13 Persons)
- Expected Effects
  - Benefit Approximately 80,000 Local Residents
  - Create Jobs by Fostering the Compost Industry

Mozambique New
KRW 16.5 Billion (2026-2028)

- Project Details
  - Install 60 Landfill Gas Collection Systems
  - Install a Leachate Treatment System (62,200 m^3)
- Expected Effects
  - Improve Public Health and the Living Environment
  - Reduce Greenhouse Gas Emissions

Mongolia
KRW 11.5 Billion (2023-2026)

- Project Details
  - Establish 21 Automated Air Quality Monitoring Stations
  - Establish an ICT-Based Air Quality Management System
- Expected Effects
  - Build an Air Quality Database to Support the Recipient Country's Policymaking
  - Ensure Public Access to Air Quality Information

Laos New
KRW 10.4 Billion (2026-2030)

- Project Details
  - Establish a Chemical Safety Education and Training Center
  - Establish an Accident Response System
- Expected Effects
  - Train 500 Hazardous Materials Specialists
  - Reduce Chemical Accidents

Mongolia
KRW 7.3 Billion (2023-2026)

- Project Details
  - Install 746 Sanitation Toilets
  - Install a Fecal Sludge Pretreatment Facility (250 m^3)
- Expected Effects
  - Prevent Leachate and Improve Sewage Treatment Efficiency
  - Benefit Approximately 170,000 Local Residents

Indonesia New
KRW 10 Billion (2026-2029)

- Project Details
  - Establish a Biomethane Supply System
  - Introduce and Operate 13 Hydrogen Vehicles
- Expected Effects
  - Establish a Foundation for Expanding the Hydrogen Economy
  - Support the Overseas Expansion of Korea's Automotive Industry

K-eco's Progress on UN SDGs Implementation

UN SDGs	Goal	Key Activities
	Goal 1 No Poverty	• Recognized institution under the Rural Community ESG Practice System • Highest-rated institution under the Local Community Contribution Recognition Program • Provided goods to special disaster areas
	Goal 2 Zero Hunger	• Shared food with elderly people living alone in local communities • Implemented the Busukuma Environmental Improvement Project in Uganda and provided food and goods • Improved living conditions in ger districts of Mongolia
	Goal 3 Good Health and Well-being	• Strengthened the asbestos safety management system for products purchased directly from overseas • Improved indoor air quality and conducted water quality inspections at facilities used by sensitive and vulnerable groups • Advanced noise management and expanded services to mitigate inter-floor noise disputes
	Goal 4 Quality Education	• Established 'Pine Tree Home' study rooms for children from vulnerable groups • Operated an environmental job knowledge-sharing program • Certified as an 'Excellent Education Donation Institution' by the Ministry of Education
	Goal 5 Gender Equality	• Established five-year targets and KPIs to expand the number of women managers • Developed a pool of female executive candidates • Strengthened work-family balance through pregnancy and childcare support
	Goal 6 Clean Water and Sanitation	• Operated the Water Tele-Monitoring System (TMS) control center • Expanded and advanced Total Water Pollution Load Management System • Implemented projects to supply safe groundwater and strengthen drinking-water welfare
	Goal 7 Affordable and Clean Energy	• Became the first public institution to pursue a Power Purchase Agreement (PPA) • Expanded solar power generation facilities at air quality monitoring stations • Participated in the K-RE100 Green Premium program
	Goal 8 Decent Work and Economic Growth	• Enhanced internship programs and supported linkage to regular employment • Supported youth startups in the environmental sector • Operated the K-eco Win-Win Cooperation System and supported sales channels for SMEs
	Goal 9 Industry, Innovation and Infrastructure	• Supported sales channels for companies with certified innovative products • Identified new businesses to create a sustainable zero-emission vehicle ecosystem • Improved, reviewed, and integrated the operation of environmental facilities and infrastructure
	Goal 10 Reduced Inequalities	• Established and implemented socially equitable hiring targets • Expanded rural community ESG practices and win-win efforts • Supported social entry and career development for youth preparing for independent living
	Goal 11 Sustainable Cities and Communities	• Strengthened safety nets against droughts, sinkholes, urban flooding, and other risks • Led carbon neutrality in the public sector and expanded it to local governments • Strengthened aquatic ecosystem infrastructure through river and reservoir improvements
	Goal 12 Responsible Consumption and Production	• Advanced the waste appliance collection system through institutional improvements • Expanded waste resource recycling by strengthening the management of regional collection centers • Fostered a public-participation resource circulation culture in daily life through 'Green Return' and other initiatives
	Goal 13 Climate Action	• Expanded Scope 3 disclosure and calculated and managed Scope 3 emissions • Achieved GHG reduction targets by strengthening national carbon neutrality implementation • Expanded reduction activities through the Emissions Trading Scheme
	Goal 14 Life Below Water	• Remotely monitored wastewater discharges by operating the water tele-monitoring system (TMS) control center • Strengthened technical support for nonpoint source pollution management • Began construction of an Integrated Water Pollution Response Center
	Goal 15 Life on Land	• Advanced the 'Allbaro' workplace waste platform • Systematically managed groundwater and soil contamination • Advanced reservoir restoration projects and the recovery of aquatic ecosystem infrastructure
	Goal 16 Peace, Justice and Strong Institutions	• Attended the Conference of the Parties (COP30) as part of the government delegation • Strengthened communication and cooperation on global environmental issues • Operated an internal control system and fostered an organizational culture of integrity and anti-corruption
	Goal 17 Partnerships for the Goals	• Expanded global presence through water industry cooperation in Kazakhstan, Vietnam, and other countries • Advanced public-private overseas environmental projects by expanding Green ODA • Strengthened communication and cooperation with international organizations (UNESCO, OECD, World Bank, UNDP, etc.)

K-eco Core Operations

Korea Environment Corporation (K-eco) is at the forefront of environmental improvement and resource circulation to protect a clean and safe living environment for the people of Korea. The Corporation carries out the construction and operation of environmental facilities, environmental impact assessments, and research and development, with a focus on three key areas: reducing greenhouse gas emissions and achieving clean air (including support for GHG reduction policies, advanced air quality monitoring, and the promotion of eco-friendly mobility); creating a healthy water environment (including strengthened water pollution management and enhanced water disaster response capabilities); and transitioning to a circular economy society (including creating added value from waste resources, operating waste management platforms, and administering resource circulation systems).

Beyond these efforts, K-eco contributes to improving environmental welfare for the public through chemical substance management, hazardous material inspection and assessment, reduction of various living environment hazards, and support for vulnerable populations. The Corporation is also shaping the future of the environmental industry by nurturing specialized environmental professionals and supporting domestic companies in their global expansion. Under the slogan “Closer to People, Closer to Nature”, K-eco will continue to do its utmost to achieve carbon neutrality and transition to a circular economy society.

Achieving GHG Reduction and Clean Air

GHG Reduction Policy Support

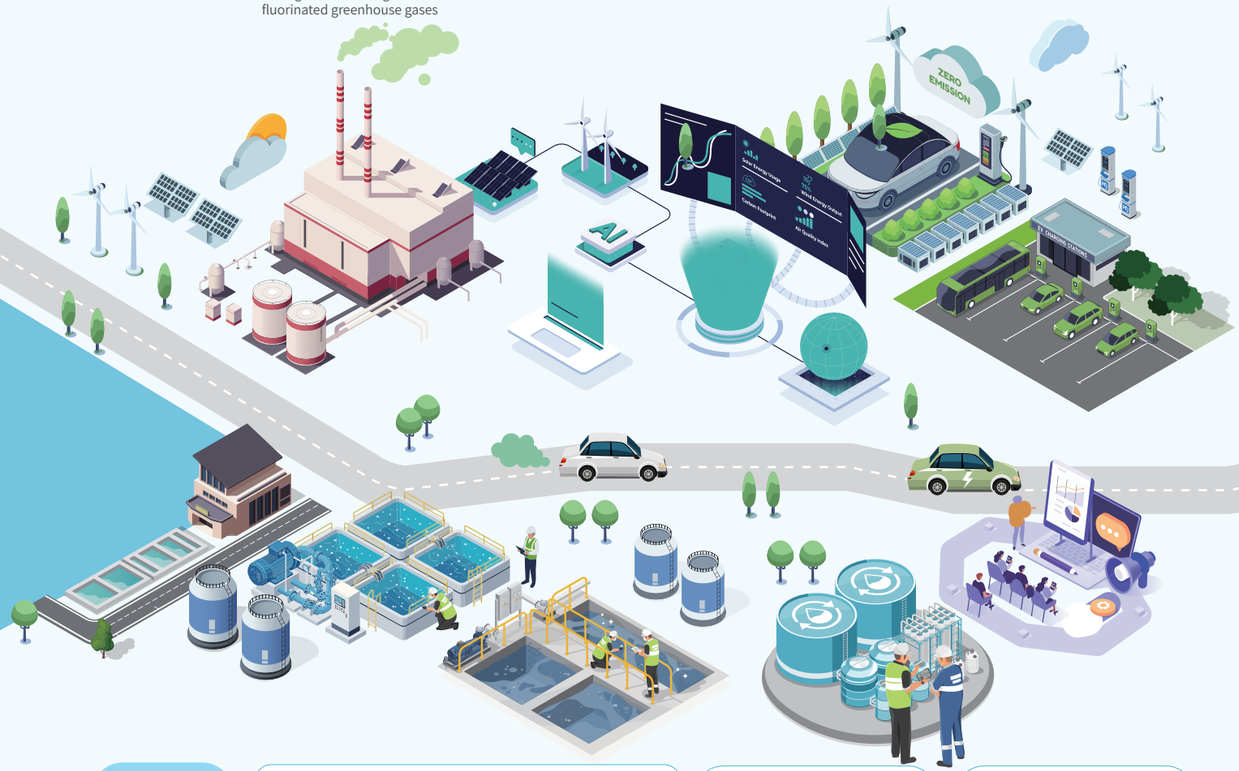
- Operation of the Emissions Trading System and revitalization of the trading market
- Support for companies responding to the EU Carbon Border Adjustment Mechanism (CBAM)
- Operation of the GHG Target Management System
- Operation of the Climate Response Fund and the GHG Reduction-Conscious Budgeting System
- Identification and dissemination of best carbon-neutrality policies
- Management of refrigerants and fluorinated greenhouse gases

Advanced Air Environment Monitoring

- Operation of the national air quality monitoring network Air korea
  * Nationwide real-time air quality information and forecasts (PM2.5, PM10, and ozone)
- Operation of the Stack Tele-Monitoring System CleanSYS
- Technical diagnostics for odor at public environmental facilities
- Technical support for odor-emitting workplaces
- Operation of the Vehicle Emissions Integrated Information System
- Implementation of driving restrictions and low-emission measures for old diesel vehicles

Deployment and Expansion of Eco-Friendly Mobility

- Construction and management of charging infrastructure for electric and hydrogen vehicles
- Operation of the integrated zero-emission vehicle website
- Programs to expand adoption of eco-friendly vehicles, including subsidy support



Creating a Safe Environment with Tangible Benefits for the Public

Chemical Substances Management

- Chemical toxicity testing (GLP)
- Support for chemical substance reporting, confirmation, and registration
- Measurement and analysis of persistent organic pollutants (POPs)
- Support for SMEs' compliance with the Chemical Substances Control Act and the Act on the Registration and Evaluation of Chemical Substances, etc
- Reporting of new chemical substances and confirmation and provision of hazard information

Reducing Living-Environment Hazards and Supporting Vulnerable Groups

- Asbestos safety management, measurement, and analysis
- Free radon measurement and reduction consulting
- Operation of the Among Neighbors for Floor Noise
- Operation and management of noise and vibration monitoring networks and automatic indoor air quality monitoring networks
- Indoor air quality diagnostics and improvements for facilities used by vulnerable groups

Creating a Safe Environment

- Inspection and diagnostics of hazardous chemical handling facilities
- Support for corporate chemical safety management and prevention of defect-related accidents at chemical facilities

Global Environmental Projects and International Cooperation

- Operation of the International Environmental Cooperation Center
- Support for the global expansion of domestic mid-sized companies and SMEs
- Training of global environmental professionals



Creating a Healthy Water Environment

Strengthening Water Pollution Management

- Policy support for basin-centered integrated water management
- Operation of the Total Water Pollution Load Management System
- Integrated management of agricultural and livestock pollution sources and contaminated soil remediation projects
- Water pollution monitoring (automatic water quality monitoring networks for the four major rivers and the groundwater quality monitoring network)
- Groundwater environmental surveys and pollution prevention and technical support for livestock burial sites and other locations
- Management of effluent water quality from sewage and wastewater and compliance with ecotoxicity standards for industrial wastewater
- Management of non-point pollution sources and operation of the performance inspection system for non-point pollution reduction facilities
- Operation of the Wastewater Tele-Monitoring System SOOSIRO

Strengthening Water Disaster Response Capabilities

- Operation of the Basin Sewerage Support Center and the Sewerage Information System
- Policy support for sewerage, water reuse, and water demand management
- Provision of safe groundwater support for areas vulnerable to water supply shortages
- Response to pollution incidents through operation of the Water Pollution Control Center

Fostering the Water Industry and Providing Technical Support to Business Sites

- Support for the development and advancement of the water industry
- Development of future core water management technologies
- Support for water companies' demonstrations using test-bed facilities

Transitioning to a Circular Economy

Creating Added Value from Waste Resources

- Operation of the National Battery Circularity Cluster
- Certification, testing, analysis, and training related to used batteries
- Waste-to-energy conversion, establishment of integrated biogas production and utilization infrastructure, and support for the deployment of waste-to-energy
- Operation of the Biogas Center
- Operation of the Solid Refuse Fuel (SRF) reporting and inspection system
- Operation of the Integrated Waste-to-Energy Resource Information Management System
- Collection and treatment of agricultural waste

Operation of Waste Management Platforms

- Operation of the Allbaro System Allbaro
- Operation of RFID-based medical and food waste management systems
- Operation of the Electronic transfer management system for livestock manure and consigned wastewater
- Operation of Proper Waste Treatment Center
- Operation of the Circular Resource Information Center

Operation and Management of Resource Circulation Systems

- Operation of the Extended Producer Responsibility (EPR) system and Waste Charge System
- Operation of the Eco-Assurance System and Packaging Material and Structure Evaluation System 환경성보장제
- Operation of the mandatory recycled material use system and management of the recycling market

Environmental Facilities

- Support for the installation of aquatic ecosystem restoration and water treatment facilities
- Support for the installation of environmental energy facilities
- Value Engineering (VE) review of environmental facility designs
- Review of environmental impact assessment reports and post-environmental impact surveys

K-eco ESG Impact Highlights



Environmental

Achievement of the 2025 Institutional Carbon Neutrality Roadmap Target
- Reduction target: 1,608 tons, reduction achieved: 1,817 tons (113%)

Environmental

Presidential Commendation for Operation of the GHG Reduction-Conscious Budgeting System on World Environment Day

Environmental

First Certification of the Environmental Management System (ISO 14001)

Environmental

Expanded Scope 3 Emissions Accounting Categories and Developed AI-Based Automated Calculation Technology

Environmental

Prime Minister's Award at the 14th Korea Knowledge Awards
- VOC-based knowledge service for the Integrated Environmental Permitting System

Environmental

Grand Prize in the Environmental Data Analysis and Application Contest
- Development of an AI-based waste recognition and classification application

Environmental

Minister of Personnel Management Award at the Proactive Administration Best Practices Contest
- Zero disposal fees by abolishing stickers for waste home appliances

Environmental

Established the K-eco RE100 Implementation Model
- 2035 RE100 implementation strategy and introduction of a Power Purchase Agreement (PPA)

Social

Selected as a Certified Institution under the Outstanding Educational Donation Institution Certification Program

Social

First Certification of the Occupational Health and Safety Management System (ISO 45001)



Social

First Institutional Recognition Designated as a Recognized Institution for ESG Practices in Rural and Fishing Communities

Social

Ministry of SMEs and Startups Shared Growth Evaluation
Achieved the highest rating

Social

Achieved the Highest "Outstanding" Rating in the Public-Service Customer Satisfaction Index (PCSI)

Social

The Only Public Institution to Receive the Korea Human Rights Award from the National Human Rights Commission of Korea

Social

Prime Minister's Commendation for Contributions to National Disaster Management

Social

Pilot Four- to Four-and-a-Half-Day Attendance System to Support Work-Family Balance

Governance

100% Implementation Rate for Management Recommendations from Non-Executive Directors (All 30 recommendations reflected)

Governance

Organization-Wide Internal Communication Council for Innovation
Launch of "Green Reboot TF 1.0" and advancement to 2.0

Governance

Achieved a 91% Implementation Rate on the Ministry of Economy and Finance 「Public Institution Ethical Management Standard Model」 Checklist

Governance

Achieved a Grade 2 rating in the Comprehensive Integrity Assessment, marking a two-year consecutive improvement

Governance

Integrated Launch of the Integrity and Internal Control Committee as K-eco's Ethical Management Control Tower

Governance

Established AI Ethics Governance
- Enacted ethical guidelines and formed an Ethics Subcommittee

Governance

Top Excellence Award in the Public Services Category at the AX Innovation Awards

Governance

Highest Ratings in the Public Data Provision and Data-Based Administration Assessments

Environment

K-eco Opening a Sustainable Tomorrow

Korea Environment Corporation comprehensively manages core environmental domains — including carbon neutrality, integrated water management, the circular economy, and environmental safety — grounded in its environmental management system. Alongside pursuing net-zero at the institutional level, K-eco supports national carbon neutrality policies and is expanding the environmental value experienced by the public through initiatives such as establishing healthy water and resource circulation systems and managing hazards in everyday living environments. Furthermore, the Corporation is strengthening data-driven, science-based, and efficient environmental services by integrating AI and digital technologies across all areas of environmental management.

K-eco is building a sustainable tomorrow through its commitment to reducing greenhouse gas emissions and responding to the climate crisis, preventing environmental pollution of water, soil, and other media, and promoting resource circulation.

Supporting K-eco 2040 Carbon Neutrality and National Carbon Neutrality Implementation

Carbon Reduction Implementation Efforts and Performance by Sector

Buildings

1,166 tons from solar power, etc.

- Newly installed 859 kW of renewable energy facilities
- Replaced old windows and high-efficiency equipment

Transportation

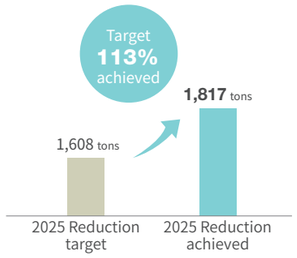
146 tons from eco-driving, etc.

- Reduced fuel use by 51,000 liters from 2024
- Reduced internal-combustion and eco-friendly vehicles by 20

Daily Practices

505 tons

- Electricity conservation, lights-off practices, and water conservation
- Tree planting (kenaf)



Expansion of Scope 3 Emissions Accounting Coverage

2024 Disclosure (2023 Emissions)

④ Upstream transportation · ⑤ Waste · ⑥ Business travel · ⑦ Employee commuting

4 categories

954 tons

2025 Disclosure (2024 Emissions)

Existing 4 items + ① Purchased goods and services · ② Capital goods · ③ Fuel- and energy-related activities

7 categories **112-fold increase ↑**

106,890 tons

Development and Outcomes of an RE100 Implementation Model for Small Facilities

Low-Carbon Monitoring Station Design	Expansion of Renewable Energy Installations	Recognition of Renewable Energy Use
- Install monitoring stations based on low-carbon design using Passive House-certified materials - Improve energy efficiency by applying insulating and heat-blocking paint and installing partition walls for heating and cooling zones	- Install solar power generation facilities at six additional air quality monitoring stations - Introduce a new wind power generation facility by selecting an optimal site based on the surrounding environment (one site)	- Recognition of 1,275 MWh of eco-friendly electricity use through participation in the K-RE100 Green Premium*

Installation of Passive Houses at water quality monitoring network stations (27% energy savings) and acquisition of preliminary certification (2025)

Achievement of RE100 for the air quality monitoring network through renewable energy generation (114 MWh) and renewable energy use certification (1,275 MWh)

* Monitoring networks use low-voltage electricity, which limits renewable energy supply contracts such as PPAs; therefore, RE100 renewable energy use recognition programs such as the Green Premium must be utilized.

Expansion of Eco-Friendly Mobility Infrastructure

- Improvements to the EV Subsidy System and Full-Life-Cycle EV Services
- Efforts to Foster a Zero-Emission Vehicle Ecosystem, Including Hydrogen Charging Infrastructure

Infrastructure	**Charging blind spots:** Outlying areas and older EVs	Used a location selection program to identify optimal sites and deploy multi-standard chargers compatible with both older and newer EVs
Purchase	**Noncompliance with subsidy payment procedures:** Vehicles shipped before subsidy eligibility is confirmed	Established a collaborative system with EV manufacturers to automatically verify subsidy confirmation when a shipment is requested
Use	**Different charger interfaces:** User inconvenience due to different operating methods	Standardized different screen layouts and text systems across manufacturers of public fast chargers in a user-centered manner

Selected by the Anti-Corruption and Civil Rights Commission as a Best Practice in Public Complaint Services

Integrated Water Management

Expansion and Advancement of Total Water Pollution Load Management

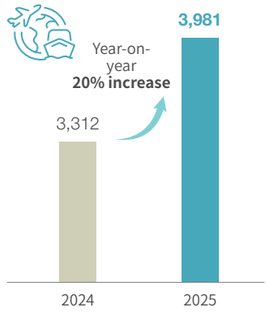
- Expanding management scope from BOD (Biochemical Oxygen Demand) to TOC (Total Organic Carbon)
- Supporting Prompt and Scientific Water Management through AI-Based Analysis and Management of Real-Time River Water Quality Data (Approximately 50,000 Records Annually)

The Korea Water Cluster Operational Support

- Providing Comprehensive Support to Domestic Water Companies throughout the Entire Process from Technology Development and Commercialization to Overseas Expansion

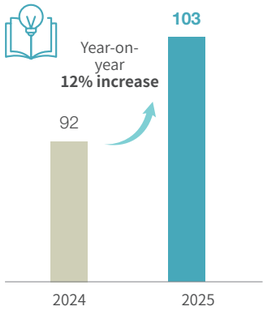
Exports of Supported Companies (Unit: USD million)

39.81 USD million



Technology Demonstrations (Unit: cases)

103 cases



Eco-Friendly Projects Based on Digital and AI Technologies

Advancement of Water Quality Management

- Continued expansion of automatic water quality monitoring networks
- Operation of the Water Tele-Monitoring System (TMS) Control Center

Advancement of Air Pollution Management

- Expanding installation of Stack Tele-Monitoring Systems (TMS)
- AI·IoT-based odor information management and response

Advancement of Waste Management

- Advancement of the AI-based 'Allbaro' system
- Development of an AI waste disposal assistant app

Top Excellence Award at the Public Sector AX Innovation Awards
Prime Minister's Award at the Korea Knowledge Awards

Circular Economy

Expanding Waste Reduction Practices at K-eco Facilities

Reusable Cup Support for the Café

Supported the Purchase of 1,200 Reusable Cups

43,000 Uses (Washes)

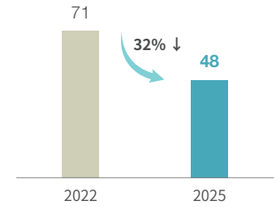
Paper-Towel-Free Restrooms

Equivalent Pine Tree Planting Effect

214 trees annually
(Based on 10 gCO2e emitted per sheet)

Waste Generation (Unit: tons)

2025
48 tons



Strengthening Waste Collection and Recovery Capabilities

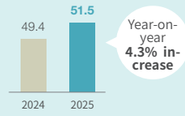
- Promoting the Recycling of Electric and Electronic Products by Achieving Zero Disposal Fees for Waste Home Appliances

Expansion of Free Collection to All Items

Disposal Fee
Free Collection of All Electrical and Electronic Products
0 KRW

Reduction in Disposal Costs for the Public
120.6 KRW billion

Waste Home Appliance Recycling Volume (Unit: 10,000 tons)



Public Environmental Services and Public Safety

Reduction of Environmental Risk Factors in Daily Life

Expanding management services covering asbestos, indoor air quality, noise, and more

Support for diagnosis and improvement of hazardous factors in facilities used by sensitive and vulnerable populations

Establishment of a Disaster Prevention and Response System

Securing everyday safety against drought, flooding, sinkholes, and other hazards, and supporting disaster recovery

Prime Minister's Commendation for Contributions to National Disaster Management

Provision of User-Centered Environmental Information

Operation of 'Air Korea,' a public air quality information service

Grand Prize in the Public Services Category at Mobile Award Korea

Public Institution Customer Satisfaction Survey

Customer satisfaction evaluation targeting users of public institution services

Achieved the institution's all-time record score of 97.6 points and a 'Very Excellent' rating

Social

K-eco Embracing People and Sharing Value

Korea Environment Corporation (K-eco) is building a sustainable society that grows together with diverse stakeholders, including employees, partner companies, and local communities. The Corporation fosters a safe working environment and a healthy organizational culture, and practices people-centered management through talent development, fair recruitment, and human rights-based management. In addition, K-eco is expanding shared growth with partner companies and mutual growth with local communities, while strengthening cybersecurity and personal data protection to contribute to the creation of safe and inclusive social value that the public can trust.

Placing people as its foremost priority, K-eco is cultivating an organizational culture and working environment that upholds safety and human rights, while pursuing mutual prosperity with small and medium-sized enterprises and local communities.



Safety Management

Implementation of Activities to Strengthen the Safety Management System

- Strengthening the Safety Budget Management System
- Formation of a Management-Participated Safety Task Force and Investment of an Emergency Safety Budget
- Strengthening the TBM-Based Prevention System for High-Risk Work

Key Initiatives

- Management of the entire safety budget formulation and execution process
- Operation of the Safety Budget Committee

- Formation of a Chairman-led safety task force
- Identification of harmful and hazardous factors at worksites

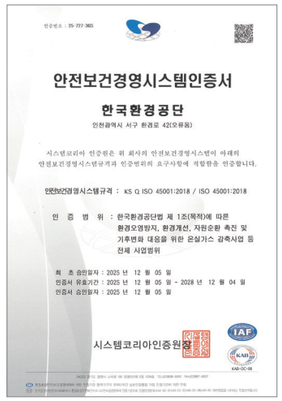
- Improvement of high-risk work procedures
- Strengthening of TBM activities
- Feedback of risk assessment results

Safety Budget
KRW 126
Billion Allocated

Risk Factors Identified at 33 Workplaces
1,065Cases

Strengthening TBM Implementation
Establishing a Virtuous Cycle System

Obtained ISO 45001 Certification for the Occupational Health and Safety Management System



Occupational Health and Safety Management System(ISO 45001) Certification

Strengthening Safety Management for Partner Companies

Key Results

Partner Company Workers Safety Qualifications Acquired	Contracted Project Safety Management Guides Distributed	Partner Company Occupational Health and Safety Training Completed	Workplaces Receiving Safety Consulting	Risk Factors Identified and Improved
3 persons	200 Copies	71 Employees	13 worksites	194 Cases

Safety Training Performance

Area	Training Program	Training Dates	Completion Hours
Industrial Safety	Regular Occupational Safety and Health Training	First and Second Half	6 Hours (Office Workers) 12 Hours (On-Site Workers)

Participants
First Half 3,257 Second Half 3,561

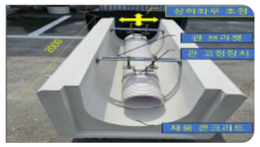
Completion Rate
100%

Development of Preventive Technologies to Strengthen On-Site Safety

Development of Underground Pipeline Protection Blocks

- Background ···· Sinkholes Continued to Occur Despite the Application of Protection Methods
- Technology Overview ···· Strengthening Structural Stability with Underground Pipeline Protection Blocks
- Outcome ···· **Preventing Sinkholes through a Ground-Subsidence Mitigation Method**





Hosted by the Ministry of the Interior and Safety
2025 Korea Safety Technology Awards Minister of the Interior and Safety Award

Talent Development and Recruitment

Implementation of Environmental Professional Training Programs and Expansion of Equitable Recruitment

- Training of greenhouse gas management professionals; Nurturing of Global Environmental Leaders (GELP)
- Expansion of socially equitable recruitment and employment support for youth preparing for independent living

Key Performance of Environmental Professional Training Programs

Greenhouse Gas Management Professional Training Program

Increase in Training Completion Rate	Overall Training Satisfaction (Out of 5)	Employment Rate of Program Completers
2024: 85% → 2025: 97%	4.8	72.5%

Global Environmental Leaders Program (GELP)

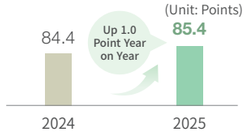
Expanded Number of Participants Selected	Expanded Number of International Organizations Receiving Interns	Support for Outstanding Young People to Enter International Organizations
2024: 40 → 2025: 50	2024: 14 → 2025: 15	25Persons

Human Rights Management

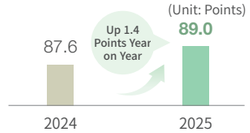
Human Rights Management Framework and Strengthening Capacity to Implement Remedy Procedures

- Establishment of a new deliberation subcommittee under the Human Rights Management Committee
- Opening of the K-eco Human Rights Lounge and conduct of mock human rights violation reporting drills

Human Rights Maturity (Unit: Points)



Korea Culture Index (Unit: Points)



First within the Organization and the Only Public Institution to Receive the 2025 Korea Human Rights Award

Mutual Growth with Local Communities

Implementation of Wide-Ranging Social Contribution Activities across Local, Rural, and Global Communities

- Promotion of ESG activities for mutual cooperation with farming and fishing communities
- Implementation of environmental improvement and environmental welfare contribution activities in Uganda and Mongolia



Award for the Rural ESG Practice Recognition Program



Global Social Contribution in Busukuma, Uganda

Organizational Culture and Labor-Management Relations

Building an Organizational Culture of Mutual Respect and Trustworthy Labor-Management Relations

- Received the Top Excellence Award in the Verbal Violence-Free Workplace Certification
- Conclusion of a collective labor-management agreement



Verbal Abuse-Free Workplace Certification Ceremony

Shared Growth

Operation of Support Programs and Systems for Small and Medium-Sized Enterprises

Win-Win Smart Factory

- **[Scale of Support]** 2 Companies, Total KRW 50 Million
- **[Support Details]** Improved Manufacturing Competitiveness through Smart Factory Advancement
  - Deployed AI-Based Real-Time Electricity Management Systems and Equipment
- **[Support Performance]** Increased Equipment Utilization (11.1%) and Reduced Electricity Use (28.5%) through AI Electricity Management

Innovation Partnership Support Program

- **[Scale of Support]** 8 Companies, Total KRW 80 Million
- **[Support Details]** Provided Productivity Improvement Consulting and Equipment Support
  - Development of New Products and Technologies, and Diagnosis and Improvement of Production Processes
- **[Support Performance]** Improved Process Defect Rate by 39.5% and Manufacturing Lead Time by 26.7%, with Financial Performance of KRW 228.8 Million

Cybersecurity

Establishing a Proactive Information Security Response System

- Proactively Detect Information Leaks and Risky Behavior When Using Emerging Technologies
- Strengthen Joint Cybersecurity Activities with the National Intelligence Service
- Diversify K-eco-Led Cyberattack Response Exercises
- Establish an Information Security Portal for All Employees



Incheon Regional Cybersecurity Council, First Half of 2025

Governance

K-eco Driving Innovation Through Trust

K-eco is establishing a management framework trusted by the public, built on responsible decision-making and transparent, integrity-driven institutional operations. Grounded in expertise and independence, the Corporation is strengthening the Board of Directors' strategic decision-making and oversight functions, while expanding organizational innovation and communication through collaborative governance mechanisms such as the Future Innovation Council. Furthermore, K-eco proactively manages potential risks through a systematic internal control and ethics and anti-corruption framework, continuously enhancing accountability and transparency.



K-eco Future Innovation Council Meeting of 2025

Responsible Board Operations

Operating Structure and Achievements of the Future Innovation Council under the Board of Directors

ESG Committee	AX Committee	Global Committee
Provide Expert Advice to Strengthen K-eco's Sustainability through Enhanced ESG Management and Support the Achievement of Carbon Neutrality by 2040	Provide Expert Advice to Accelerate K-eco's AI Transformation and Expand the Use of Data Held by K-eco	Provide Strategic Advice to Help K-eco Become a Global Environmental Institution through Expanded International Cooperation and Partnerships and Responses to Global Environmental Issues
Major Agenda Items - ESG Management Performance and Plans - Measures to Introduce a Renewable Energy PPA to Achieve Carbon Neutrality	**Major Agenda Items** - K-eco Artificial Intelligence Implementation Plan for 2025 - Direction for K-eco's Data-Driven Administrative Innovation in the AI Data Era	**Major Agenda Items** - Establish the K-eco Global Expansion Roadmap - Measures to Strengthen Global Talent Development
15 of 17 Recommendations Implemented **(88.2%)**	All 21 Recommendations Implemented **(100%)**	22 of 31 Recommendations Implemented **(70.9%)**

Ethical and Anti-Corruption Management

Establishing Specialized Internal Units for Proactive Ethical Management

Specialized Organizations

Specialized Organization for Preventing Fraudulent Receipt of Government Subsidies	Specialized Organization for Managing Organizational Culture Risks such as "Office Bullies"
RED Team (All 11 departments participated)	BLUE Team (125 participants including the head of the organization and future-generation employees)
Key Activities **Proactive Inspection** Identified vulnerabilities in subsidy management based on hypothetical scenarios(44 scenarios in total) **Effective Improvement** Revised 38 items across 11 business guidelines to reflect identified vulnerabilities **Thorough Investigation** Identified 31 cases of fraudulent subsidy receipt through a review of cases from the past four years	**Key Activities** **Active Communication** Identified 263 organizational culture risks through CEO meetings and the BLUE Team appointment ceremony **Focused Inspection** Conducted focused inspections of cases with a high level of relevance to key personnel(33 disciplinary actions taken) **Substantive Response** Established and implemented measures to address organizational culture risks such as "Office Bullies" as the first public institution to do so

Key Performance

Zero External Audit Findings for National Treasury Subsidy Programs Implemented in 2025	Ordered the Recovery of KRW 16 million in improperly claimed funds and referred 1 case for criminal investigation	16.5% Year-on-Year Reduction in Employee Sick Leave Days in 2025	Achieved 88% Employee Approval Rating for the Newly Implemented Cultural Standards

Achieved Grade 2 in the Comprehensive Integrity Assessment
(marking the first time in K-eco's history that its grade improved for 2 consecutive years)

Corruption Cases or Findings Identified by External Organizations
Zero

Advancement of the K-eco Ethical Management Standard Model

Introduction of the K-eco Standard Model

Design of K-eco-Specific Indicators
Development of K-eco's Own Unique Indicators Beyond the Limitations of the Standard Model

	Existing	Improvement
Expanded Definition of Risk Groups	Broad management including unmet indicators	Establishment of "Priority Risk" specialized indicators reflecting the characteristics of high-risk businesses
Strengthened Accountability	Risk management led by operational departments	Transition to comprehensive management of "Priority Risks" led by the head of the organization

Establishment of a Mid-to-Long-Term Roadmap
Establishment of implementation tasks and annual targets for each unfulfilled indicator

Improvement of Implementation Rate

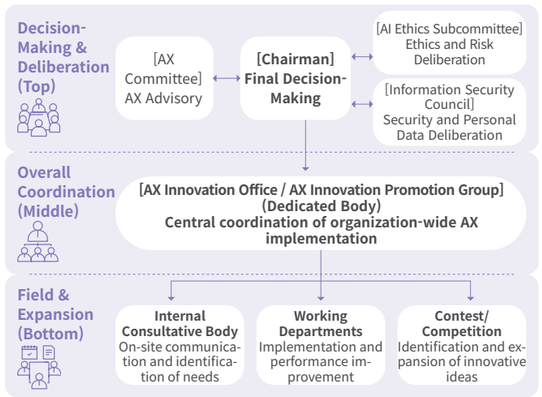
Achieved a **91**% implementation rate
(up **5.7**%p year on year)

K-eco will strengthen Board accountability, advance its ethics and compliance management framework, and establish AI-based governance to achieve sustainable growth grounded in the trust of its stakeholders.



Building Governance Driven by AI Innovation

A three-tier AX governance structure across the organization



AI Transformation Implementation Framework and Support Activities of the Dedicated Department

① Establish a Formal Basis for AI Ethics Governance
Revise the Ethical Management Practice Regulations

② Establish Operational Framework for AI Ethics Review and Advisory Activities
Hold AI Ethics Subcommittee meetings

③ Establish Detailed Organization-Wide Guidelines for Practical Application
Establish new AI Ethics Guidelines (AI Ethics Subcommittee)

④ Strengthen Organization-Wide Commitment to Practicing and Complying with AI Ethics
Conduct the AI Ethics Pledge Regularly (AI Ethics Guidelines)

Results in Environmental Service Innovation and Private Sector Business Model Creation

Application to and Improvement of Environmental Services	Public Data Utilization Contest
Strengthen data-based administrative incentives(Expand internal evaluation credits, increase competition awards/ citations)	Strengthen contest publicity targeting citizens, businesses/startups, and university students
Environmental policy reflection/ utilization cases: up 130%(10 cases → 23 cases)	Enhance participation via real-time YouTube citizen evaluation panel

Two Outstanding Environmental Policy Achievements

[Climate and Air] Odor pollution forecasting service integrating meteorological and environmental data

[Chemical Safety] Risk-based selection of monitoring sites for persistent organic pollutants (POPs)

Five Products and Services Developed

[Grand Prize] Separate collection platform based on environmental data analysis

[Top Excellence Award] Shipping carbon emissions optimization model

Ministry of the Interior and Safety Evaluation of Public Data Provision and Operations
Highest Grade for 6 Consecutive Years (Top 5%)

Results of Data Sharing and Utilization among Administrative and Public Institutions

Utilization Method	Details	Performance
Korea Fiscal Information Service	Link national fiscal information data to establish an electronic delivery system **Current** Mail **Improved** Electronic delivery	• Establish K-eco's first electronic delivery system • Save approximately KRW **200** million and reduce work hours by **40,000** hours
Local Governments	Verify and expand linkage of quarterly vehicle scrappage monitoring data by local government **Current** Corporation ↔ Ministry of Land, Infrastructure and Transport **Improved** Corporation ↔ Ministry of Land, Infrastructure and Transport·Local Governments	• Waste battery recovery rate increased by **6 percentage points** (86% in 2024 → 92% in 2025)
Ministry of Land, Infrastructure and Transport	Digitalize sewer pipe management system by linking nationwide pipe network DB **Current** Drawings/Files **Improved** Digitalization	• Establish a nationwide digital sewer pipeline system • Use sewer pipeline deterioration analysis to identify defective sections and select emergency maintenance projects

Ministry of the Interior and Safety Data-Based Administration Inspection and Evaluation
Highest Grade for 4 Consecutive Years (Top 5%)

Korea Environment Corporation

The United Nations Global Compact (UNGC) is the world's largest corporate sustainability initiative, launched in New York, USA, in 2000, with over 25,000 participating companies and organizations across more than 160 countries worldwide. K-eco has been a member of the UNGC since 2010 and implements its principles in the areas of human rights, labor, environment, and anti-corruption.

MIX
Paper | Supporting responsible forestry
FSC® C159581
www.fsc.org

PRINTED WITH SOY INK

The cover and interior pages of this report are printed on FSC®-certified paper using soy-based ink.