



Korea Environmental
Industry & Technology Institute



The Path to a Sustainable Tomorrow

KEITI will open the path to a sustainable tomorrow, the path to green new deal.

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President Message



To clean and safe environment,
KEITI will lead the way.

“We are deeply committed to making a clean and safe environment for all.”

Fine dust clouding our cities, wastes and industrial wastewater that are disposed without being properly treated, hazardous chemicals in humidifier sterilizers and damaged ecosystem are key environmental issues that degrade our quality of life.

KEITI fosters the environmental industry and supports the development of environmental technologies that clean our air and water, recycle and treat wastes and heal our natural environment. We seek to unburden those suffering from polluted environment and harmful substances and help the people lead an environmentally-friendly lifestyle.

Science, technology and industries cannot solve every environmental issue that we face today. But they can lead us to a solution. An environmentally-friendly lifestyle will definitely add to that effort. The reason the country and public organizations exist is to care for environmentally-marginalized and vulnerable people and to ensure that the social value of coexisting with the local communities is realized.

Everyone here at KEITI is committed to doing our best with respect for everyone to ensure that our customers are satisfied. As a result of our commitment, environmental welfare services provided to the public and to every Korean citizen will be improved and environmental sustainability will be enhanced.

We ask for your continual support and encouragement.

Thank you.



President of
Korea Environmental Industry and
Technology Institute

유 제 철

History



2009-2010

2009. 04.
Established as Korea
Environmental Industry &
Technology Institute

2009~
Implemented Environmental
Product Declaration (EPD)
system

2009~
Initiated the operation
of training programs
for professionals in the
environmental sector

2011

2011. 06
Established
Environmental
cooperation centers
in China, the Viet Nam
and Indonesia



2012

2012. 05
20th anniversary of
Eco-Label System

2012. 11
Established Environmental
Analysis Center

2013

2013. 01
Designated as an advisory
body to the Sustainable
Public Procurement
Initiative led by the United
Nations Environment
Programme (UNEP SPPI)

2014

2014. 01
Initiated the provision of
support for the victims of
humidifier disinfectants

2014. 03
Established environmental
cooperation centers in
Columbia and Algeria

2015

2015. 03
Established Soil
Environment Center

2015. 10
Won the Green World
Champion 2015 for
KEITI's Green Credit
Card program

2015. 12
Promulgated Korea
Environmental
Industry &
Technology Institute
Act



2016

2016. 01.
Implemented Compulsory
Environmental Impairment
Liability Insurance System

2016. 12
Enforced Korea
Environmental Industry &
Technology Institute Act

2016. 12
Relocated to a new office
building



2017

2017. 07
Established
Environmental Industry
Research Complex

2017. 11
Received the United
Nations "Momentum
for Change" Climate
Solutions Award for
KEITI's Green Credit Card
program

2018

2018. 05
Accredited by national
certified testing
agency KOLAS (Korea
Laboratory Accreditation
Scheme)

2018. 05
Started operating relief
system for asbestos
victims

2018. 12
Held the first
Environmental Start-up
Expo

2019

2019. 02
Opened the Household
Chemical Products &
Biocides Center

2019. 04
The 10th anniversary
of KEITI

2020

2020. 09
Established
International
Environmental
cooperation
centers

IECC

Mission

To promote the innovation of the environmental industry and the environmental technologies that drive the sustainable society and to contribute to healthy and happy lives of the people by protecting them against environmental harms.

Vision

To be a global environmental agency that, together with the people, opens the door to the future.





DEVELOPMENT OF ENVIRONMENTAL TECHNOLOGIES

SUPPORT FOR ENVIRONMENTAL INDUSTRIES

ECO-FRIENDLY LIFESTYLES ENVIRONMENTAL HEALTH & SAFETY(EHS)

REALIZATION OF SOCIAL VALUES



The environment,
the economy,
the people's



harmonious path.



DEVELOPMENT OF ENVIRONMENTAL TECHNOLOGIES

KEITI contributes to environmental conservation and economic growth through environmental technology development projects involving soil, water quality, soil pollution, etc.

Technology development support to solve environmental issues facing the people

- Support for key national technologies for green new deal and carbon neutrality
- Support for development of a technology to solve environmental issues, such as air pollution, microplastic, wastes, etc.
- Listen and apply public feedback and develop a technology customized for end-users

Dissemination of the success of on-demand environmental technologies

- Engage in environmental technology partnerships and host roadshows to promote transfer of environmental technologies
- Host events to collect public opinions and share achievements



Total Value of Environmental R&D Projects
Commercialized (Domestic & Overseas)

\$8.24 billion
(cumulative basis)



No. of Registered Patents

3,480 patents
(cumulative basis)



No. of Papers in SCI journals

5,197 papers
(cumulative basis)

Environmental R&D projects



NO. of new joint environmental R&D projects

1,141 Projects
(cumulative basis)



NO. of continuing agreement environmental R&D projects

2,221 Projects
(cumulative basis)



Projects KEITI supports for the development of environmental technologies

Support for Development of environmental Technology

- Global Top Environmental Technology Development / Technological innovation development for promising green companies / Development of technologies to respond to disasters at environmental facilities
- Plant research project / Technology development for innovating sewage and water supply system / Research project on on-demand water supply service / Project for smart urban water resources management / Water management research project / Technology development to ensure health of water ecosystem / Development of domestic technologies to produce high-purity industrial water / Development of hydrothermal heating / air conditioning and renewable heat hybrid system
- Development of Environmental Technologies for Chemical Accident Response / Development of Practical Technologies for Environmental Health / Establishment and development of a digital survey foundation for environmental health / Development of core technologies to prevent and control environmental diseases / Development of technologies to control biologically-harmful factors for indoor air quality / Development of household chemical safety management technology
- Technology Development for Management of Pollution and Hazards of Subsurface Environment / Development of technology to conserve and manage top soil
- Development of a technology to recycle household waste / Development of a technology to measure microplastics and evaluate risks / Development of a technology to improve circular utilization of products that inhibit recycling / Add a project to develop a technology to treat potentially-infectious medical waste / Project to make multi-ministerial national biological research resources more advanced
- Invasive Species Management Program / Development of a technology to promote the health of urban ecosystem / Development of a biomimicry-based environmental pollution management technology / Project to develop an eco-friendly new material derived from wildlife and processing technology
- Development of a technology to resolve and demonstrate management of air pollution blind spots
- Project to develop an ICT-based technology to assess environmental impact / Development of a public communication satellite for geostationary orbit



- 1 MRB membrane fouling reduction technology
- 2 Demonstrative facility for PM10 capture
- 3 Anaerobic digestion facility for organic waste



SUPPORT FOR ENVIRONMENTAL INDUSTRIES

KEITI offers various programs, such as designation of outstanding environmental company, policy fund financing, operation of Environment Industry Science Park, etc. to nurture the environmental industry and to create jobs in the industry. We also offer close support to environmental companies in global expansion by opening and running overseas branches.

Support growth of environmental companies

- Offer customized support to start a business through entrepreneur discovery and systematic programs
- Support commercialization of a technology so that promising environmental SMEs can successfully enter the market
- Provide financial support to outstanding environmental companies by giving them support in policy fund loan and in attracting private investment



Support to commercialize technologies by
environmental companies

1,001 cases
(cumulative basis)



Total Amount of Loans Taken Out from
Environmental Policy Funds

\$2.13 billion
(cumulative basis)

Export support for environmental companies

- Discover overseas projects and expand project participation opportunities through public - private partnership
- Provide professional consulting for environmental companies to expand overseas and offer support for discovering overseas sales channel



Export Volume driven by KEITI's
Export Support Activities

\$12.14 billion
(cumulative basis)

Create jobs in the environmental industry

- Nurture outstanding professionals in the environmental industry
- Create jobs by supporting environmental SMEs commercialize their technologies
- Create social values through job creation



No. of environmental technology
technicians and professionals

4,560 persons
(cumulative basis)

Promote dissemination of environmental technologies

- Contribute to development of technology and nurture environmental industry through certification and verification of new environmental technology
- Promote private investment in green technology area by operating a green certification program



Financial performance of
technology utilization

\$4.20 billion
(cumulative basis)



Projects KEITI supports for the development of environmental technologies

Fostering the domestic environmental industry

Designation of leading environmental companies / Support creation of private sector jobs in the environmental industry / Operation of specialized graduate school for the environmental sector / Planning and management of a course to nurture environmental industry and technology experts, educating those working in the industry / Environmental industry research complex / Support eco-start up / Eco-Start-Up Challenge

Support for overseas expansion

Establishment of master plans for improving the environment in developing countries / Implementation of a feasibility study for overseas environmental projects / MDB environmental projects and collaboration projects / Discovering projects that support developing countries using Green Climate Fund / Trade shows with overseas buyers / Support for the global community's joint efforts in commercializing environmental technologies in overseas markets / Support environmental companies with professional consulting service to expand overseas / Centers to provide intensive support for local bidding process (China, VietNam, Indonesia, Columbia and Algeria) / Support operation of International Environmental Cooperation Center and handling of bilateral and multilateral environmental cooperation / Diagnosis of environmental facilities in developing countries and environmental policy consulting project / Operation of masters program for civil officers in environmental partner countries

Green financing support

Provision of loans from Environmental Policy Fund / Project to support commercialization of environmental technologies by SMEs / Operate financing support system for green management companies

Eco-friendly Business Management

Disclosure of Environmental Information / Green company designation program

Promote the dissemination of environmental technologies

Support field investigation of new environmental technologies and offer financial support for verification commission fees / Green certification / Functional verification of environmental technologies / Designation of environmentally innovative products



- 1 Sri Lanka sewage treatment facility
- 2 Environment Industry Science Park
- 3 Global Green Hub Korea



ECO-FRIENDLY LIFESTYLES

KEITI promotes sustainable consumption and production through eco-certifications for products, such as Eco-Label, Environmental Footprint Labelling, etc. In addition, through various programs such as green card, green store designation, Eco-EXPO Korea, etc., KEITI seeks to spread eco-friendly lifestyle and culture.

Expand the foundation for green production

- Help companies secure competitiveness and support eco-friendly lifestyle of the public through Eco-Label and Environmental Footprint Labelling
- Support environmental management of companies and help them become reliable, trustworthy companies by disclosing their environmental information
- Promote circular utilization evaluation and quality label certification for recycled resources programs



Promote a culture of green consumption

- Build infrastructure and offer information to increase consumers' access to green products
- Develop and run programs such as ECO-EXPO Korea, Green Credit Card, environmental campaigns, etc. to help the public practice green consumption
- Promote green public procurement



No. of Green Credit Cards Issued

2,022 million
(cumulative basis)



No. of Green Store

643 stores
(cumulative basis)



The amount purchased through Green Public Procurement

54.4 procurement rate
%

\$3.40 procurement amount
billion

Strengthen foundation to promote virtuous cycle of sustainability

- Control/manage green product market to increase credibility of green products
- Offer consulting on and evaluate eco-friendliness of products
- Disseminate green procurement system and ensure that eco-labeling is transferrable overseas through international cooperation



KEITI programs to spread eco - friendly lifestyle

Environmental Certification

- Korea Eco-Label, Residential gas boiler certification program
- Environmental Product Declaration (EPD), Green building certification
- Testing and analysis of product eco-friendliness
- Circular utilization and circular resources quality mark certification

Promote Sustainable Consumption

- Green Credit Card
- Designation of Green Stores
- Promotion of eco-friendly technologies and operation of government award system to promote consumption of eco-friendly technologies
- ECO-EXPO KOREA

Ensure that the eco-friendly product market is systematic

- Post-management of eco-labelled products
- Investigation into unauthorized use of eco-labels
- Monitoring and management of eco-friendliness label and advertisement

1 Green Store designation

2 Ceremony for Outstanding Agencies for Public Procurement

3 Green products

4 Green Credit Card

5 ECO-EXPO KOREA





ENVIRONMENTAL HEALTH & SAFETY(EHS)

KEITI supports safety management of household chemicals to protect the safety and health of the public while building a social safety network through environmental damage relief programs, such as a program to support the victims of humidifier sanitizer scandal. We are offering life-friendly health and welfare services for children and the vulnerable.


Support prevention of environmental damage

- Ensure that household chemical safety management system takes root and gets disseminated
- Strengthen safety management of children's environment
- Diagnose and improve living environment of the environmentally-sensitive and vulnerable groups



No. of household products whose safety standards are verified

66,802 products
(cumulative basis)




No. of beneficiaries receiving diagnose, improve indoor environment

21,182 persons
(cumulative basis)

Provide relief for environmental damage

- Provide a relief system that focuses on the victims and environmental responsibility insurance system
- Quick and fair relief for victims of humidifier sanitizer scandal
- Look for and strengthen support for asbestos victims



No. of people compensated for damages caused by humidifier disinfectants

\$68.37 compensation
million(cumulative basis)

4,114 persons
(cumulative basis)



No. of people compensated for damages caused by Asbestos

\$86.26 compensation
million(cumulative basis)

4,823 persons
(cumulative basis)



Health and welfare & safety programs offered by KEITI

Establishment and operation of environmental damage relief system

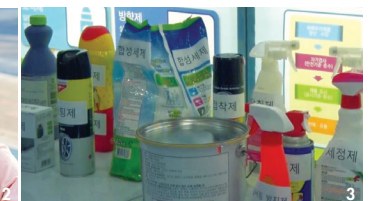
- Environmental pollution damage relief
- Establishment and operation of the support center for victims of humidifier disinfectants Asbestos damage relief
- Support the vulnerable class with litigation against environmental damage and harm they suffer
- Provide environmental responsibility insurance and run re-insurance program

Policy support for safety management of household chemicals & biocide

- Status investigation into household chemicals and risk assessment
- Receive reports about household chemicals subject to safety verification and control
- Inspection of household chemical products
- Support enforcement of industrial laws and policy

Environment & health services in every life

- Environmental safety certification system for children's activity zones
- Support joint guidance and inspection for children's activity zones by local governments and offices of education
- Lifecycle management of environmental risk factors in children's products
- Birth cohort survey into health and welfare of each cohort
- Diagnose, offer consulting, and improve indoor environment of the vulnerable class



- 1 Market observers for household chemicals
- 2 Children's activity zone safety certification system
- 3 Household chemical safety management

REALIZATION OF SOCIAL VALUES

Eco-friendly management & Social contribution activities

- Push forward an afforestation carbon offset project involving the public
- Environmental education program to nurture future experts in the field
 - Afforestation carbon offset projects at home and abroad (Eco-Tree Campaign, "Together Green" Campaign, Paperless Campaign)
 - Run a free semester Environmental education



- 1 Dr.Eco
- 2 Joint public/private/army Eco-Tree Campaign
- 3 Paperless Mongolia Drinking Water Program



Mutually-beneficial cooperation with the local society

- Improve indoor environment for the environmentally-sensitive and vulnerable groups
 - Contribute to revitalization of local economy and job creation
 - Assess and improve living environment
 - Reinvigorate the local traditional markets and contribute to the community
 - Increase purchase of products from social enterprises
 - Give out sponsored goods to the socially-vulnerable class
 - Support job creation
- 4 MOU ceremony to improve indoor environment of the vulnerable class
 - 5 Volunteer food rationing service at and donate food rations to the senior welfare center
 - 6 Share sponsored goods to the vulnerable groups in Eunpyeong-gu
 - 7 MOU to revitalize traditional markets
 - 8 Support greenification of public facilities in Eunpyeong-gu

