Connecting People and Space with **LX**

2021 LX Sustainability Report





PRINTED WITH SOVINK To minimize impact on environment and maximize the use of natural resources, spot color printing and coating were avoided and soy ink was used for this report.

X



About This Report

In order to fulfill its social responsibilities as a public enterprise, LX has been issuing sustainability reports and sharing its innovative and inclusive growth with stakeholders. This is LX's tenth sustainability report since the first edition published in 2008.

Reporting Standards

This report was prepared in compliance with the core Global Reporting Initiative (GRI) Standards as well as fulfilling the requirements of ISO 26000 (international standards for social responsibilities) and the UN Sustainable Development Goals (SDGs). The financial information contained in this report are based on Korean International Financial Reporting Standards (K–IFRS).

Reporting Period and Boundaries

This report covers substantial business activities including key sustainability management activities and outcomes of LX's domestic and overseas offices from January 1 to December 31, 2021. For some quantitative achievements, details of the past three years are reported to enable trend analysis.

Cycle of Report

Annual report (last report published in March 2021)

Assurance of Report

To ensure reliability of the activities and outcomes reported, a verification was conducted by With Accounting Corp., an independent external agency, and the result is listed in the Thirdparty Assurance Statement (refer to pages 84 and 85).

Download Report

This report was issued in Korean and English and can be downloaded from LX website (https://www.lx.or.kr/eng.do).

Inquiry

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CEO Message

Overview

Leading Carbon Neutrality 2050

Implementing Social Values with National Land Information

Fair · Transparent Management Together with the People

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CEO Message



President & CEO of LX

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Thank you all for your steadfast support for LX.

Due to the COVID-19 pandemic, coupled with climate crisis, the clock of change has been ticking faster than ever. In the face of disruptions to global supply chains and recent economic crises, the establishment of a sustainable future has become more vital than ever before.

In response, LX has been actively adopting ESG practices. We have prioritized innovation and taking a significant leap forward as a company, as well as strengthening our system for promoting sustainability. Our ultimate goal for sustainability management is to provide people with wider access to smart land by utilizing drones, big data, and AI, hence realizing a society where everyone can be happy.

With this goal firmly set in our mind, LX is committed to our responsibility for environmental, social, and corporate governance, all while discovering methods of innovation and sharpening our future competitiveness.

First, we are striving to promote activities to achieve Carbon Neutrality by 2050.

To establish scientific ways of realizing carbon neutrality, we provide a variety of digital twin-based administrative services, such as water pollution monitoring and using eco-friendly materials in boundary signs used for cadastral surveys. This has led to a reduction of 90 tons of greenhouse gas emissions.

LX is also actively engaged in building hydrogen infrastructure. As part of these efforts, we have installed hydrogen charging stations and introduced hydrogen buses in Jeonju City, while also participating in the public commitment to carbon neutrality by launching a bicycle riding campaign. Furthermore, we held the Recycling Design Contest to develop cooperative projects for resource recycling.

Second, LX contributes to fulfilling social value commitments using national land information.

We are devoted to enhancing our ESG performance based on our cadastral capabilities. Drone maps were built using spatial information coupled with technologies including drones, AI, and the Internet of Things, and we also developed an integrated map for underground spaces. We believe this will further enhance public

safety and benefits. As the designated institution for the Digital Twin Land Pilot Project, LX contributes to resolving a wide variety of urban and social issues on the environment, transportation, and disasters.

This year is significant in that we have re-established our safety management promotion system. Having achieved a memorable record of zero serious or fatal accidents for 9 consecutive years. LX is focused on creating a safer and healthier work environment through hands-on safety management at our worksites and the phased introduction of a more stringent safety management system this year.

Third, LX conducts fairer and more transparent management together with the public.

Under the vision of Clean LX Trusted by the People, we have further strengthened our transparent and ethical management. In order to enhance transparency and reliability, we have identified and prevented risk factors through a review of areas prone to corruption and illegality, and have intensified the training of internal auditors. We have also engaged external experts in running the audit advisory committee, as well as the LX Ombudsman. Additionally, we have encouraged greater participation from the public and improved the effectiveness of our corruption reporting system through the operation of the integrity promotion consultative body, the Millennial Board, and the Anti-corruption Promotion Group.

LX, as a specialized national land information enterprise, is fully committed to our roles and responsibilities in creating a sustainable future. Moving forward, we will continue to innovate to ensure the happiness of the public and our stakeholders.

We ask for your continued support and interest in LX as we pursue innovation and take a leap into the future.

Thank you.

Kim, Jeong-ryeol, President & CEO of LX

About LX

Overview

LX is a leading organization specializing in national land information. It was established on July 1st, 1977, in accordance with the Framework Act on National Spatial Information System, which was introduced to support the efficient establishment, holistic use, and management of a national spatial information system. LX fulfills diverse responsibilities such as support for the establishment of the national land information system, research in the field of geospatial information and cadastral systems, technology development, and cadastral surveys. Through providing trustworthy national land information to citizens, LX has been firmly establishing itself as a national land information platform that leads at the forefront of a smart society.

Status in General

Organization Name	Korea Land and Geospatial InformatiX Corporation (LX)	President & CEO	Kim Jeong-ryeol
HQ Address	120, Giji-ro, Deokjin-gu, Jeonju-si, Jeollabuk-do, 54870, Republic of Korea	Date of Establishment	Jul 1, 1977
Нотераде	www.lx.or.kr	No. of Employees	4,569

Financial Performance

Business Revenue

Operating Profit









ESG Management Performance

Safety-Cap





Anti-corruption Policy Assessment

Credit Rating

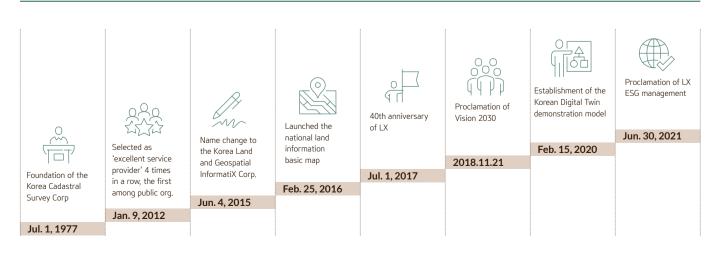
^{7 consecutive} Excellent Level

Organizational Network

HQ & Affiliated Institutes

HQ	Jeonju, Jeonbuk	
LX Education Institute	Gongju, Chungnam	
Spatial Information Research Institute	Wanju, Jeonbuk	
Regional HQ • Th	ne number of Regional HQ	
10 Seoul Regional HQ		
7 Busan&Ulsan Regional	HQ	
5 Incheon Regional HQ		
19 Gyeonggi Southern Regional HQ		
11 Gyeonggi Northern Reg	gional HQ	
18 Gangwon Regional HQ		
12 Chungbuk Regional HQ	2	
17 Daejeon/Sejong/Chun	ignam Regional HQ	
14 Jeonbuk Regional HQ		
24 Gwangju&Jeonnam Regional HQ		
28 Daegu&Gyeongbuk Regional HQ		
19 Gyeongnam Regional HQ		
2 Jeju Regional HQ		

History





Business Overview

Cadastral Survey



Cadastre is the foundation of the national spatial information business, which is at the forefront of Industry 4.0. It can be considered the 'resident registration' for land, recording all information on land in the country. LX is a trusted cadastral survey provider and records the latest land information in the cadastral register to effectively manage national land. It strives to provide a trusted service to protect the property rights of the people.

Efficient Management of National Land

Increasing values of national land use through continuous updates and by offering reliability in cadastral information

Protection of Property Right

Ensuring universal protection of the rights and interests of the people through provision of swift and accurate cadastral survey service

Consensus Amona People Fulfilling social responsibilities to implement people-oriented values

Cadastral Services that Form a

Cadastral Resurvey



Cadastral resurvey aims to correct false boundaries, and digitally record them, using advanced technology to survey and measure cadastral mismatches* caused by damage to paper cadastral maps created 100 years ago. Leveraging cutting-edge equipment such as drones and GNSS, LX conducts cadastral resurveys on the 14.8% of Korea's land (5.54 million lots) that exhibits cadastral mismatches, laying the foundation for the spatial information industry and enhancing the value of the nation's land.

Accelerate Digital Cadastre Establishment

Providing a driving force to promote cadastral resurveying and strenathening business execution capabilities through development of national policy projects and establishment of foundation for arowth

Conversion of the World Geodetic System

Enabling development of various contents through convergence of cadastral and other spatial information

Implementation of Social Inclusion

Expanding business effects by discovering and resolving social issues, such as to resolve public complaints, implement government projects, and supporting winwin growth in private sector

* Mismatch of national land information: Land for which information displays a mismatch between the national cadastral records and the real boundary

Spatial Information

Comprised of national land information (topography and land use) and urban land information (roads and land), spatial information can now be recorded in the form of digital maps to include even the natural, social, and economic characteristics compared to the past when only the topographical shapes and information on natural features could be recorded in the form of paper. LX, through its spatial information businesses, is leading the country's innovative growth by collecting and managing national land information in an efficient manner and also supporting the government's decision-making process so as to improve the quality of life of the people.

National Land Enjoyed by All

Creating national land equipped with uniqueness and competitiveness through enhancement of activities to resolve pending issues

Strengthening of Foundation for Inclusive Growth through Spreading Innovative Growth Cooperation

Supporting innovative growth through securing of key technologies in preparation for social changes

Strengthening cooperation for

win-win growth with spatial information industry

Overseas Projects



world.

Capacity Building

administration

Education



R&D

LX Spatial Information Research Institute supports national policies and the growth of spatial information industry through policy and institutional research and development of core spatial information technologies such as autonomous driving, drones, AI, big data, and IoT technologies. In addition, LX strives to revitalize the local economy by creating a foundation for win-win cooperation with academia and the private sector through industry-academic cooperation R&D. We will become a 'sink platform that drives the future value of spatial information' through continuous research and technology development.

Research planning and operation

Creating a futureoriented research environment to spread R&D outcomes and establish a research support system



Land is the direct cause of global poverty, which the international community is striving to resolve. In response, LX is contributing to the efficient use of land and establishment of responsible land policy by sharing the status and innovation cases of land management in countries around the

Land Information Consulting and

Empowering developing countries through transfer of land information system and education on land

Spatial Information Package

Establishment of comprehensive spatial information infrastructure by exporting individual projects as a comprehensive package

Spatial information Convergence

Development of spatial information convergence business based on topics that meet the strategic goals of each country

LX Education Institute, Korea's only training and educational organization specializing in national land information, provides national land information education on the convergence of time, space, and human by offering advanced technical programs according to the educational demand. Through practical and tailored educational planning, LX Education Institute is dedicated to fostering futureoriented human resources, leading technological development, and promoting the national land information industry.

Training and Education

Enhancing iob competencies of

(e.g., technical skills and knowledge)

Consigned Training

Providing customized education on national land information for government employees and the private sector

Remote Education

Strenathenina employees' capabilities through establishment of self-directed learning system

Policy system research

Increase the effect of government/ construction policy support in accordance with the LX-type Korean New Deal project, and strengthen institutionalization through the diagnosis of construction projects and the enactment and revision of legal systems

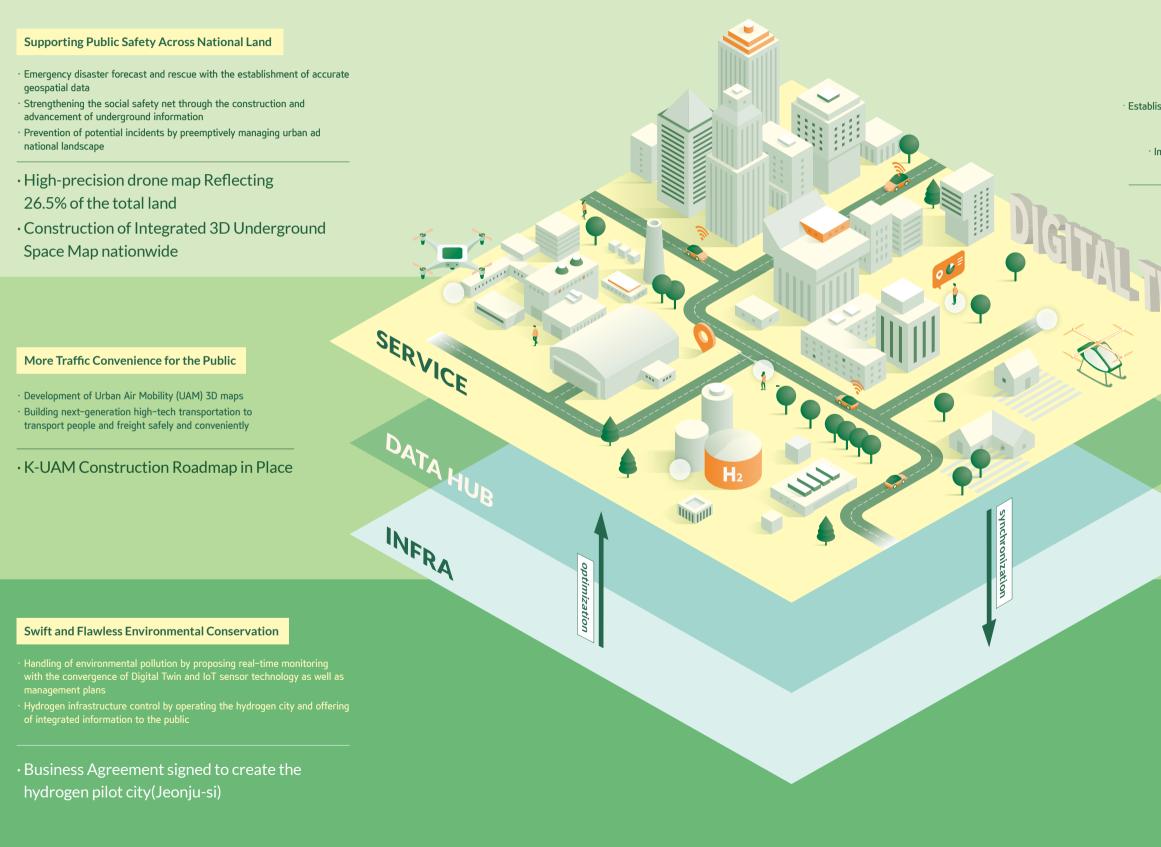
Spatial information core technology development

Establish a sustainable management foundation in the era of the 4th Industrial Revolution through the development and commercialization of core technologies for spatial information

Industry-Academic Cooperation R&D

Develop spatial information technology and policies necessary for regional win-win and industrial development by supporting research and development of universities/enterprises/ academic societies

LX, Drawing the Future of Korea with Digital Twin National Land



Improving People's Quality of Life

 Development of an administrative utilization model to build an urban space model and solve social problems through the Digital Twin test project in Jeonju-si

Establishment of the foundation for the spread of LX-led Digital Twin nationwide through designation of LX as a digital twin national pilot project management agency by the Ministry of Land, Infrastructure and Transport

Improving the efficiency of civil service and the quality of life by promoting the development of specialized administrative utilization models for each local government

 Development of Digital Twin-based administration models to be used in local governments

Preemptive Response to Industry 4.0

 Disclosure of autonomous driving data and establishment of infrastructure to use the data
 Support for technology development and expansion by building and disclosing Korean-specific dynamic data

 Road data renewal cycle reduced to one-twelfth(1/12)
 Digitalization of 14,000km of General National Highway

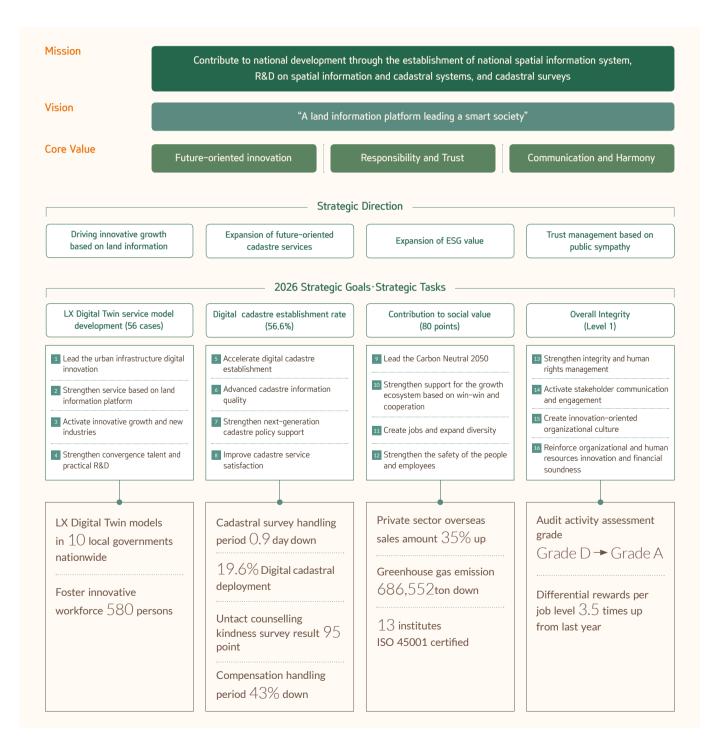
Revitalizing Regional Economies

 Support for conversion to digital infrastructure by creating the ecosystem of Digital Twin and Metaverse platform
 Development of the next generation regional geospatial experts

• No. of Digital Twin Jobs Created 364 people (5.4 times up from 2020)

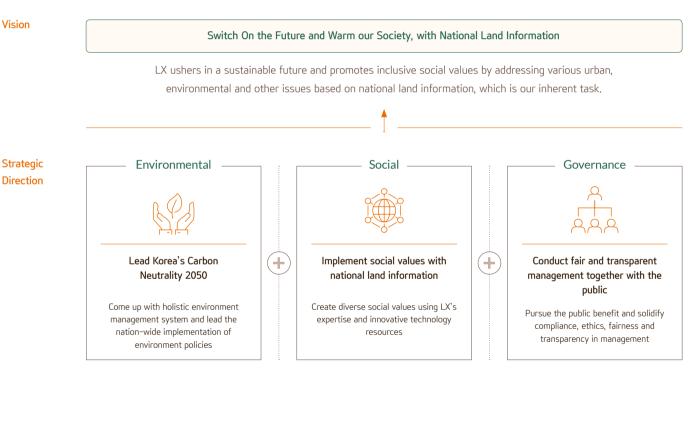
LX Mid-to Long-term Management Strategy

Under the vision of leading a smart society as the national land information platform, LX will improve citizens' quality of life and ultimately contribute to national development by promoting our three management goals: success of LX digital new deal projects, expansion of services beneficial to the public, and LX's growth into an excellent institution to implement social values.



ESG Management Strategy

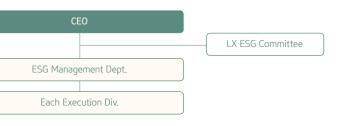
As the call for sustainable management continues to increase from internal and external stakeholders and changes in the industrial structure accelerated in the era of the post COVID-19, LX announced its implementation of ESG management on June 30, 2021. With the vision of switching 'On' the future with national land information, we introduced three strategic directions for ESG management: leading Korea's carbon neutrality by 2050, implementing social values with national land information, and fair and transparent management along with the public.



Operation of ESG Management

LX expanded and transformed the existing 'happier social values committee' into the LX ESG Committee, which acts as an advisory group and meets on a quarterly basis to discuss items on the ESG agenda. The LX ESG Committee expands participation by including experts and stakeholders from the environmental, social and governance sectors, checks on directional suitability of LX ESG management, and reports main plans and progress on ESG management. We also reorganized the Social Value Implementation Department as the ESG Management Department which is dedicated to ESG management and in full charge of ESG management planning.

LX ESG Management



LX Highlights

LX has established strategic tasks in accordance with the strategic directions for each ESG area: leading Carbon Neutrality 2050, implementing social values with national land information and conducting fair and transparent management together with the public.

Strategic Direction		Strategic Direction Strategic Tasks		2022 Goals	UN SDGs
		• Develop environmental management plans	Diagnose the internal environment and conduct a fact-finding survey	Lay the foundation for environmental management system	7 AFFORDABLE AND CLEANEBREY
		Replace all business vehicles with Green Mobility cars	91% achieved	100% achieved	×.
	Lead Carbon Neutrality 2050	• Hold a campaign for Zero carbon emission	Held three campaigns for bicycle donations and made a donation of KRW 70 mil.	Promote the LX Two Rounds around the Earth campaign	13 RETION
		• Expedite the conversion to high energy efficient and eco-friendly materials	Reduce greenhouse gas emission by 5.7%	Reduce greenhouse gas emission by 34%	_
		Promote a plastic-free campaign and upcycling	Make boundary signs with eco-friendly materials	Establish an eco-friendly virtuous cycle of cadastral equipment	
		 Build geospatial information system to address urban and social issues and secure the public safety 	Proceed with a project to build LX platform Digital Twin service	Complete the project to build LX platform Digital Twin service	3 GOODHEATH 4 QUALITY AND WELFBING
S		• Expand win-win programs for job creation and shared growth	Sales of KRW 11.7 billion by companies settled in the Geo-Dream Center	Raise and create funds for the geospatial information segment	
¥.		Revitalize the local community and nurture talent	Subdivide and reform educational courses for geospatial information	Promote contact-free education utilizing metaverse platform	5 EPIDER EQUALITY 5 EQUALITY 5 EQ
	Implement social values with national land information	Assume the role of an international hub for geospatial information	Submit UN-GGIM-AP session resolution	Support activities to attract a geospatial information service center	9 INUSTRY INFORMATION 10 INCLUSED
P CN		Set up and run the geospatial information collaboration center for developing countries	Establish an innovation center for Africa hub geospatial information	Expand the establishment of collaboration centers overseas	
		Construction of 3D Underground Information for Public Safety	Establishment of Integrated Underground Space Map for 33 Local Governments	Integrated map of underground space completed nationwide	11 SUSTAINABLECITES 17 PARTNERSHIPS
		• Operate liability insurance system to minimize the violation of the people's right	Run liability insurance system	Increase the compensation limit of liability insurance	
G		Strengthen expertise of audit activities	Hold the Audit Advisory Committee four times	Expand the participation of external experts in the Audit Advisory Committee	16 PEACE AUSTICE AND STRONG INSTITUTIONS
	Conduct fair and transparent management together with the public	Solidify a system of representing the public's rights and interests	Hold 4 regular meetings of LX Ombudsperson and 9 external advisory meetings	Increase the members of LX Ombudsperson for better and more active operation	16 PEACE JUSTICE AND STEORIE STUTUTIONS
		Publish reports with ESG items more enhanced	Win the Gold prize in the 2020 sustainability management report category sponsored by LACP	Publish sustainable management reports in compliance with the global standards	

Stakeholder Participation

LX strives to communicate with our internal and external stakeholders on a regular basis and reflect the results in our management activities. As part of our efforts, we have conducted interviews with experts and carried out surveys on our stakeholders regarding social value creation. LX's internal and external stakeholders are comprised of LX employees, customers, the central and local governments, local residents, suppliers, and the press. By establishing communication channels with each stakeholder to understand their needs and demands in detail, LX is reflecting them in our management activities.

Communication Channel

Local residents, civic group, sector-specific experts

·Idea contest for innovation and social values · 'Community mapping' a map created together ·Local community win-win development forum ·Team of citizens to promote innovation ·Round-table conference of citizens at local governments ·LX Creative Interview ·LX website and social media



Central/local governments, relevant industries

·Spatial information forum · Consultative body for road name address at local governments Address-based industry creation contest ·Shared growth workshop

·Consultative body for overseas market entry by spatial information service providers

Talk with enterprises at Geo-Dream Center Startup contest using spatial information



Employees, labor union, prospective employees

•Mutual Respect Day campaign · Millennial Board · 'Value of Being Together' communication activities ·LX new communication program Discussion to improve work conditions ·Mobile recruitment fair ·I XTV



Local resident

As a public institution, we believe that we have an important role to fulfill because the impacts of ESG management can be felt across society. We think it is positive to promote region-specific ESG management by utilizing the unique characteristics of LX, which operates branches in cities, counties and districts across the country. With socio-economic impacts increasing due to COVID-19 and climate change, we hope to realize healthy coexistence with local communities by utilizing core technologies related to the key work undertaken by LX.

Supplier

Contributing to job creation while coexisting with small businesses by focusing on technology development that converges intellectual and other fields is a great example for the industry. I hope that the efforts to collaborate with related organizations such as industry, government and academia to discover core businesses that satisfy the value of ESG will continue. Developing solutions to solve social environmental problems based on spatial information will maximize the positive impact on the environment across the industry.

Employee

As part of the eco-friendly and environmental cleanup campaign, I think that it is a great environmental conservation activity to replace business vehicles such as surveying vehicles, in the city with electric vehicles and to use drones to monitor the local environment, including environmental monitoring and fish farms. I hope that employees will keep suggesting on environmental improvements and management will continue to make concerted efforts to reflect such proposals.

and public relations.

A safe working environment is an important value that we should constantly pay attention to. A safety management system reflecting the characteristics of each branch was a good opportunity to strengthen the expertise of local personnel in safety management. I think that establishing a system that fosters managers with extensive on-site experience, in order to respond to crisis situations, is a good way of strengthening standards of health and safety at LX.

Expert

Customer



The land surveying procedure looked complicated at first, so I was concerned about whether it could be handled properly. However, the survey consultation service provided by LX was easy and convenient, and all necessary information was provided. The decrease in the number of days to process information disclosure also helped to speed up the schedule.

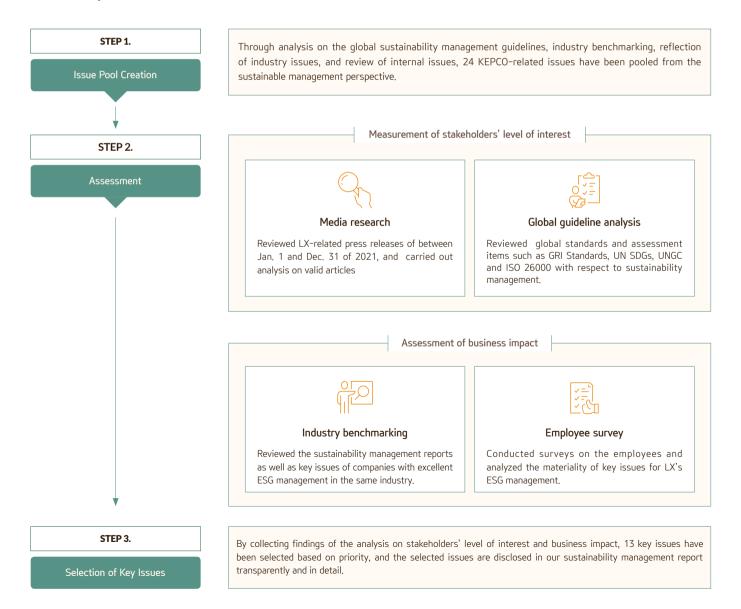
For ESG management to be trusted both internally and externally, it is essential to transform the organizational culture and individual perceptions of mutual respect and equal relationships, regardless of rank. This can be achieved in the process of connecting visions, goals, and tasks between the head office, headquarters, and branch offices. It should be accompanied by a management system that emphasizes public and social-centered thinking

It is impressive that LX is actively striving to establish ESG management. It is important to select sustainable and effective tasks among the various attempts to identify a representative policy of LX. I hope that diverse public relations activities will be actively carried out in line with the positive direction currently being pursued.

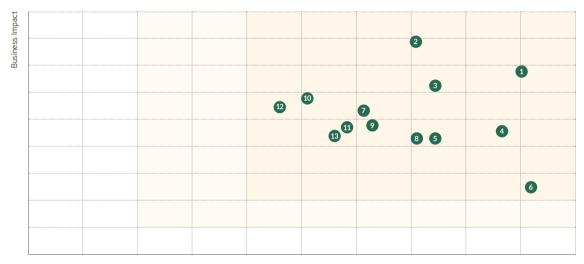
Materiality Assessment

LX selects key issues by analyzing the interests of major domestic and global stakeholders and their impact on our business. The materiality assessment has been conducted by comprehensively considering international standards for sustainable management, such as GRI Standards, UN SDGs, UNGC, etc. as well as social issues in the media, and ESG trends of our peers and the industry. In 2021, we derived a total of 13 key issues. This report discloses LX's management approach and major achievements regarding these issues.

Materiality Assessment Process



Key Issues



Key Jacob			Stakeholders Interest		P
	Key Issues	GRI Standards	Internal	External	Page
1	Establishing compliance and ethical management system	GRI 205 : Anti-corruption		٠	64-67
2	Strengthening shared growth and cooperation with local communities	GRI 413 : Local community		•	53-59
3	Embedding culture to respect human rights	GRI 412 : Human rights assessment	•		40-43
4	Implementing accurate cadastral survey service	-		•	45-46
5	Strengthening R&D of future innovative technologies (Digital Twin, autonomous driving, drones, etc.)	-		•	10-11
6	Reinforcing privacy and information security management	GRI 418 : Customer's personal information	٠	•	38-3
7	Creating sustainable jobs	GRI 401 : Employment	•	•	50
8	Supporting employees' competency development	GRI 404 : Training & education	•		51-5
9	Implementing reliable labor-management culture	GRI 402 : Labor-management relation	•		52
10	Operating fair employment and rational remuneration system	GRI 405 : Diversity & equal opportunity	•		50-52
11	Enhancing disaster safety management	GRI 416 : Customer health & safety	•	•	32-3
12	Reducing fine dust emission based on environmental analysis technology(Digital Twin)	GRI 305 : Emission		•	32-3
13	Creating safe work environment	GRI 403 : Industrial health & safety	•		26-3

Stakeholder Interest

o1. Leading Carbon Neutrality 2050

Z



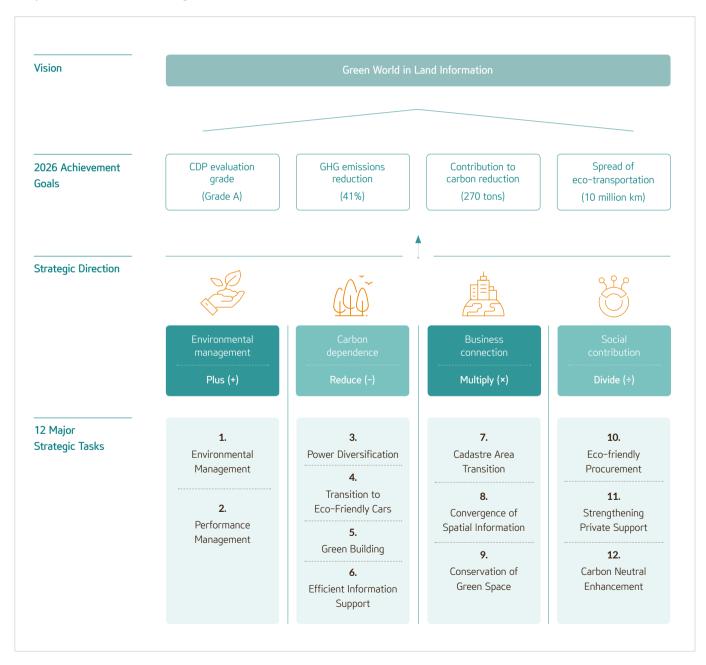
Environmental Management22- Environmental Management: Plus24- Carbon Dependence: Minus24- Business Connection: Multiply26- Social Contribution: Divide27

Environmental Management

Direction of Environmental Management

In June 2022, LX established a comprehensive environmental management plan to lead the implementation of national environmental policies based on its businesses. We plan to strengthen the company-wide environmental management foundation, secure a carbon-neutral roadmap and accelerate the transition to low-carbon management infrastructure. In addition, we will contribute to the spread of environmental protection awareness by implementing green innovation linked to industry. We will achieve this through green transformation and digital and green convergence in the national land information area, as well as by promoting eco-friendly activities based on cooperation and participation.

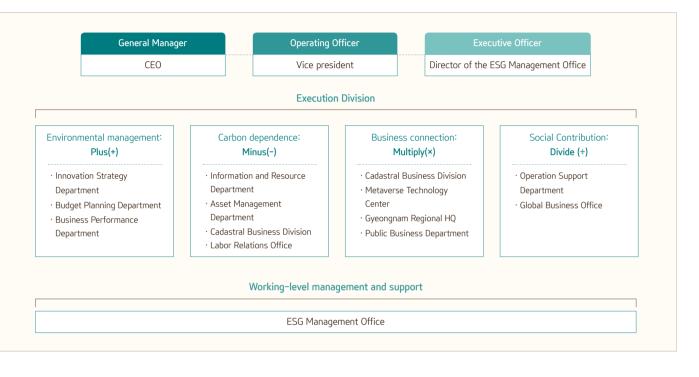
Comprehensive Environmental Management Plan



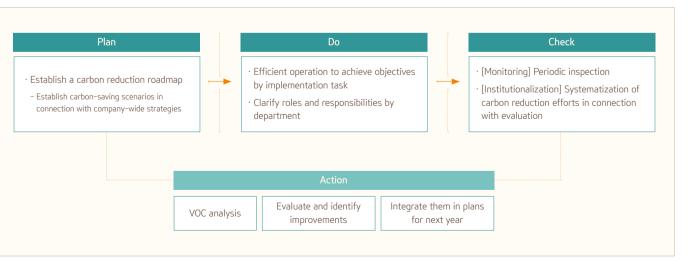
Environmental Management System

LX reorganized its environmental management promotion system in accordance with a comprehensive environmental management plan. The CEO, the vice president, and the head of the ESG management department are in charge of general management, implementation responsibility, and practical responsibility, respectively. Four key strategic directions are assigned to and implemented by departments, with the ESG management department providing practical management and support. We strive to achieve our 'Carbon Neutral 2050' target by establishing a company-wide environmental management system, which includes creating a carbon-saving roadmap and implementing and monitoring implementation tasks.

Organization



Execution System

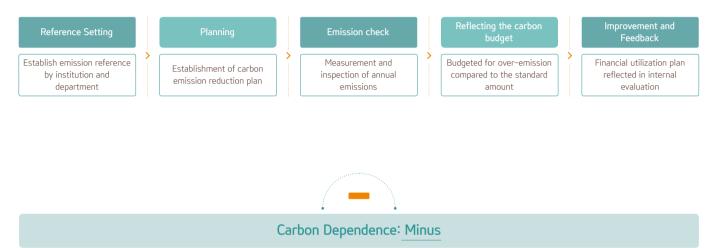




Introduction of 'In-house Carbon Tax' Policy

LX is introducing a policy to impose a carbon tax on excesses in connection with carbon emissions by each department and institution. GHG emissions are measured using consumption data for each source, such as electricity, gas and oil, and internal data such as commuting, business trips, working hours, and server usage. The 'In-house Carbon Tax' will be used to invest in eco-friendly facilities and vehicles, purchase green power, and support carbon offset.

'In-house Carbon Tax' Operation Process

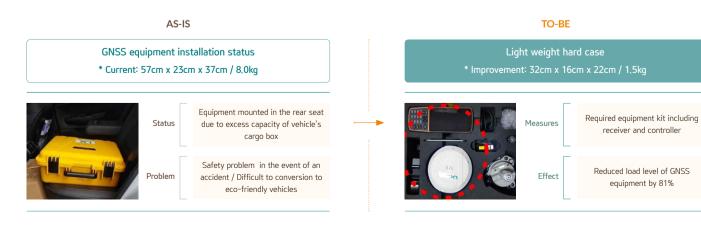


Conversion to eco-friendly vehicles

LX is converting its business vehicles into low pollution vehicles. In 2021, we introduced 12 additional electric vehicles and have a total of 120 electric vehicles. We have expanded the charging infrastructure for electric vehicles by adding 6 charging stations.

In the process of converting to eco-friendly vehicles, LX discovered a limitation in their loading capacity for equipment and supplies. To resolve this, we reduced the weight of on-board equipment. By 2022, we plan to simplify equipment on eco-friendly vehicles by making the hard case of GNSS equipment lighter and to reduce the weight of surveying equipment by adjusting the weight, thickness, and length between tables.

Lightweight On-board Equipment



Introduction of and Conversion to Renewable Energy

LX strives for eco-friendly energy management to maximize the energy efficiency of new and existing buildings. We are introducing renewable energy facilities such as solar and geothermal power, reducing standby power, and utilizing high-efficiency equipment such as LED lighting equipment and energy storage systems (ESS). In addition, we plan to continuously identify and improve energy use and problems in existing buildings, as well as install additional solar power generation facilities.



LX Pyeongtaek Branch : Introduction of Photovoltaic System and Geothermal System

Convenient Facility Conversion and Management Improvement

LX is taking the lead in implementing eco-friendly government policies through various energy management activities. In 2022, we will continue to improve energy efficiency by converting amenities such as heating and cooling and cleaning system air conditioners.

Achievements in implementing eco-friendly government policies

Classification		Description	Performance
		 Install heat insulation film in aging company buildings (Heat loss reduced by 30%) 	 Installed by 9 branches, saving 16,200Kw
(φ)	Energy management	- Delete e-mails and lower HW capacity (CO $_{\rm 2}$ 14g per 1MB)	- Delete 1.33 mil. MB, reducing 19 tons of $\rm CO_2$
I⇒		 Install an energy saving timer on the 'electricity guzzling' hot & cold water dispensers 	• 77 vehicles×0.5Kw×days(10h), saving 2,518Kw
		 Report complaints to environmental pollution safety 'Sinmungo (an e-venue for the public participation)' and make improvements 	 Carried out 45 cases of improvements in the environmental pollution area
P	Environment Protector	 Have all institutions and employees participate in cleaning up public facilities 	 Conducted 1,369 instances of environmental clean collecting 9.1 tons of waste





LX Goyang Branch : Green Building Design



Accelerating the Transition to Green Materials

In order to prevent environmental pollution, LX deleted the painting regulations for boundary sign marks (wood) used in cadastral surveys and resurveys and replaced more than 3 million plastic caps per year with recycled plastic, thereby reducing greenhouse gas emissions by about 90 tons. We reduced 110 tons of greenhouse gas by transitioning to an online cadastral survey performance test to reduce paper usage.



Replace boundary sign marks to eco-friendly marterials



Launch online cadastral survey

In order to establish an eco-friendly consumer culture, LX has introduced work clothes with domestic recycled materials, and contributes to creating a green environment and preserving the environment by promoting the use and purchase of green products, as well as implementing mandatory purchases and continuous monitoring.



2021 Upcycling Design Competition Winner Exhibition



Environmental Preservation with Digital Competence

LX effectively dealt with environmental pollution in the Jeonju Stream by converging the technologies of Digital Twin and IoT sensors. Leveraging these technologies, the institution analyzed dissolved oxygen content and hydrogen ion concentrations and installed a real-time monitoring system to identify the path of water pollution inflow and respond accordingly. In addition, for the prevention of illegal occupation and further development within green belt zones, we have established a real-time damage detection environment by introducing an Al/drone automatic monitoring system to detect and film unlawful damage to land and determine illegality.

Digital Twin-based Water Quality Control

Outbreak of environmental issues
⑦ Promote the Jeonju Stream restoration project
② Receive civil complaints(Stench.pollution)
$\textcircled{3}$ Water quality survey \rightarrow Severe condition

Green belt protected by AI-drones

Current issues	Efforts & competence
Severe GB damage	Utilization of LX' new technologies
Increase in GB's environmental value	Al-drone automatic monitoring system
 Limitation in the local governments' direct field investigation Difficulty in continued management of the damaged land Need for introducing a management information system 	 Al-used detection of illegally damaged land Drone shooting of illegally damaged land Determination of the illegality of the environmentally damaged land

Social Contribution: Divide

Expanding Carbon Neutrality

Alongside social value creation networks, such as the Jeonju Sustainable Development Council, LX has conducted various carbon-neutral activities in the four key areas of infrastructure, recycling, cooperation, and eco-friendly transportation to create a carbon-neutral culture together with citizens.

Activities to create a carbon-neutral culture

Infrastructure
0 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2

Signed a business agreement to create a hydrogen - [Region] Jeonju/Wanju-gun area [Area] Supported 1 hydrogen charger, 5 buses

- [Performance] Supported project cost of KRW 1 b

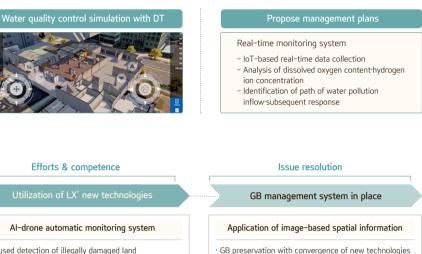
Recycling

A

Activation of Resource Circulation

Developed various cooperative projects for resource

- Held a uniform upcycling design contest
- Established Cafe Resource Circulation Self-help Pro
- Supported establishment of Zero Waste Cooperat



- · GB preservation with convergence of new technologies · Establishment of real-time damage detection environment
- Installation of GB management information system



Construction of Hydrogen Living Infrastructure	Cooperation	Environmental Cooperation Network
d a business agreement to create a hydrogen pilot city ion] Jeonju/Wanju-gun area a] Supported 1 hydrogen charger, 5 buses formance] Supported project cost of KRW 1 billion	Res and American Americ American American Americ American American Americ American American A	Signed an agreement to reduce the use of disposable products – [Target] 7 public institutions in the innovative city – [Cooperation] Greenhouse gas reduction and carbon neutrality – [Performance] Implemented environmental protection and enhanced local publicity
Activation of Resource Circulation	Eco-friendly transportation	Spread of LX Two-Earth Eco-Culture
oped various cooperative projects for resource circulation a uniform upcycling design contest blished Cafe Resource Circulation Self-help Project Group ported establishment of Zero Waste Cooperative		Promoted carbon reduction by using bicycles in for short- distance travel - [Cooperation] National Council for Sustainable Development - [Area] 8 tasks including the bicycle commuting challenge - [Performance] 687 tons of carbon reduction by 3.22 million km of bicycle riding

Expansion of the Two Wheels for the Earth Campaign

Creating a culture

- Support for the spread of bicycle clubs - Bicycle commuting exercise - Citizen's bike riding

Supporting Infrastructure Deployment

- Improving Bicycle Mobile Apps
- Shared Bicycle Borrowing
- Repairing a Citizen's Bicycle

Strengthening cooperation

- Bicycle Donation Challenge
- Ecological Transport Conference - Construction Cycle Team Talent Donation

LX Two Wheels for the Earth

Two Wheels for the Earth refers to LX's 'Two Wheels to Save the Earth' bicycle campaign. Through this campaign, LX encouraged local residents to use bicycles more, aiming to contribute to the reduction of greenhouse gas emissions. In 2021, participants biked a distance of 3.22 million km, reducing 687 tons of emissions. In addition, a free bicycle repair event was held for residents to spread the bicycle culture.



LX Two Wheels for the Earth Campaign

2021 Achievement of upcycling activities

President of the National Sustainable Development Council

Commendation Award



LX Forest

LX recognizes the need to offset carbon emissions from overseas business trips and accelerates the expansion of sustainable ecological environments by creating LX forests in domestic and overseas workplaces. We have set a goal for forest creation and are actively supporting recovery from forest fires in connection with our total flight distance for business trips. As a pilot project, we selected a rural elementary school to in a rural area to donate companion trees through the 'Classroom Forest Creation Project'.



Creation of Classroom Forests

Step-by-Step Processes

Step 1 | Cooperative construction Roasting/Delivery·Collection·Selection/ Recycling Step 2 | Participation recruitment Local cafes such as coffee beans delivery cafes

Step 3 Resource collection Separation and sorting of cafe resources

Step 4 | Recycling

Recycling paper cups, etc

Step 5 | Recycle Promotion of new use of coffee gourds, etc



LX Upcycling Activities

LX developed various cooperative projects for resource circulation, including a work uniform upcycling design contest, the establishment of a self-supporting business unit for café resource circulation, and the foundation of a zero-waste shop. In recognition of our commitment to fulfilling sustainable development goals, we have received a citation from the Chairman of the Local Sustainability Alliance of Korea.



Zero Waste Shop, 'Jigusalim (Save the Earth)'



Donate Upcycling Goods

Circular Economy for Cafe Resources

LX has prepared a stepwise process to create a circular economy for cafe resources in cooperation with the 'Youth Self-Sufficiency Project Office' in Jeonju-si and Gimje-si. We will promote the recycling and upcycling of cafe resources by collecting, separating, and selecting paper cups, PET cups, milk packs, ice packs and coffee foils from local cafes delivered by the Youth Self-Sufficiency Project Office. Paper cups, PET cups, and milk packs are delivered to existing recycling companies while ice packs and coffee foils are supplied to the Youth Self-Sufficiency Project Office for recycling (upcycling).



Recycling of Coffee Foil



o2. Implementing Social Values

> 7 20

with National Land Information

Safety and Health	32
Information Security	38
Human Rights Management	40
Customer Satisfaction	44



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Human Resource Management	50
Win-win Cooperation	53
Social Contribution	56

Safety and Health



Safe Living for the People

Safety Management Promotion System

Vision

management goals



Strengthening the Safety Management Promotion System

organization in LX's affiliated

institutions

In order to enhance the LX safety management infrastructure, LX has expanded the safety and health management system (ISO 45001) institution-wide, further strengthening our capabilities for safety first management. In 2021, as part of these efforts, 11 regional HQs acquired the ISO 45001 certification for the first time, with the corporate HQ and Gyeonggi regional HQ subsequently certified - resulting in the certification of 13 institutions in total. In addition, we have newly established a department charged with safety. Before, safety work was divided by area and led by the head of the management support department. Now, however, this responsibility has been assigned to the Safety Management Office, unifying safety management work and enabling fast decision-making. Furthermore, the existing budget of KRW 8.11 billion was increased to KRW 13.55 billion, securing the driving force for safety first management.

charge of safety fully takes

charge in safety work



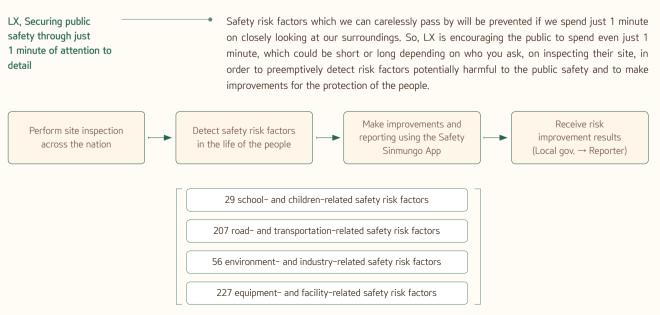
* ISO 45001 : International standards for occupational safety and health management system



Safety risk factors in the public's life 9 improvements & removals

LX has established a disaster management system with stepwise activities covering prevention, response and recovery. In 2021, the institution provided safety and health training, established on-site safety plans, and installed safety management equipment. In addition, to practice safety first management internally, we set up the Safety and Industrial Health Committee and conducted the incident analysis and management for prevention of safety incidents which we later reported to the BoD, sharing the results institution-wide and thus enhancing the level of safety awareness. Furthermore, we reinforced the operation of a safety committee which pays attention to opinions of LX employees and external experts, improving the working condition for internal and external employees including those from 6 partner. The institution also collects national disaster information from satellite images and the disaster and safety portal of the Ministry of Public Administration and Safety as well as information on disasters that occurred in the most recent 3 years and shares this information through the LX intranet and via text messages. Site inspection is also conducted to identify safety risk areas and develop proper countermeasures, and the Safety Sinmungo app, the public's safety risk reporting venue, is utilized to address risk factors for the public safety.





Performance of the enhanced safety management promotion system

11 Regional HQs



Year-on-year to 2020

Effort for Security Public Safety

Establishment and Operation of the Disaster Management System

Integrated map for underground spaces



Ground view of the integrated underground map



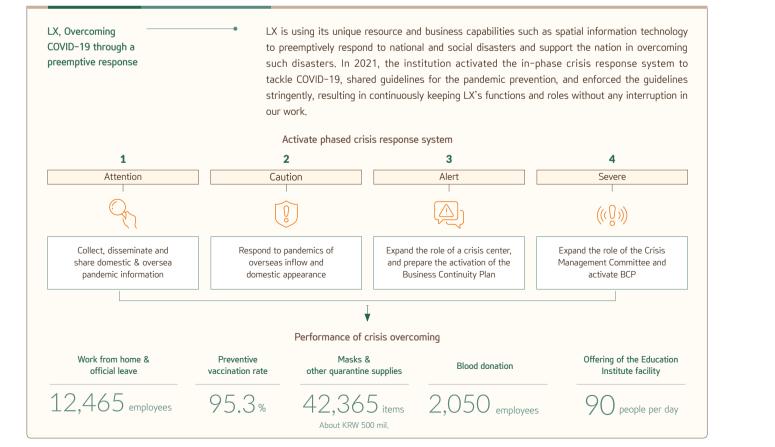
Underground view for the integrated underground map

Securing Public Safety through LX's Business

To prevent underground disasters and conduct recovery activities, LX supported the construction of a 3D underground information map for 152 local governments, which account for 410,000 km among the total 470,000 km of all national underground facilities, based on an analysis of underground incidents as well as on the operation and management of underground information systems. The findings of the underground incident analysis indicated damaged and obsolete underground pipelines as a key cause for the incidents, and indicated that each institute's separate underground information system made it difficult to conduct management systematically. Therefore, LX built a 3D-based underground information map which integrated and inter-connected underground information, and provided accurate underground information to the Ministry of Land, Infrastructure and Transport and the local governments, This helped them make use of such information during the development, recovery and management of underground information, and thus enabled them to take prompt initial actions and speed up recovery activities, contributing to the protection of the people's safety and properties.

Minimizing Damage from Natural Disasters

LX is involved in taking care of the weak and the elderly who were victims of national disasters such as heat or cold waves. In the summer, 2021, the institution installed 64 external heat wave shelters nationwide, considering the challenges posed by the COVID-19 pandemic for the weak and the elderly who suffered fatique due to sweltering heat. The shelters were used by a total of 1,192 people and engaged in 444 safety activities, including recommending people to return home or take a rest, offering bottled water and masks, and providing farming support. In addition, we found a missing citizen suffering from hypothermia in the severe cold in Paju and reported it to an emergency rescue agency after emergency measures to protect the precious lives of the people.



Direction for on-site safety promotion

1. Reinforce prevention

- 2. Improve potential risk factors
- 3. Prevent recurrence

Key performance of three-fold management system for safety incident reduction

Near-miss incidents

4.548 cases registered at DB

Near-miss incidents 158 cases improved internally

Risk prediction activities by all institutes 85.165 cases

Performance relating to two-fold

Among 59 sites that emit Class A carcinogens

16 inspected and

Obsolete & vulnerable facility repair

Budget of about

KRW 2.1 billion executed

safety inspection promotion

removed

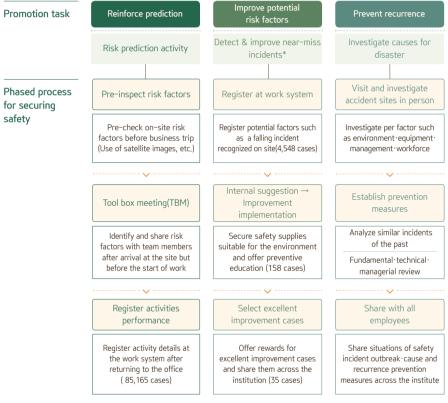
Enhanced Maintenance and Management of Facilities

LX has analyzed safety incidents from the last 3 years, deducing key causes for these incidents. Based on the findings, the institution is striving to prevent damage such as industrial accidents affecting employees, including indirectly employed workers and subcontractors, as well as to improve the working environment. According to the strategic direction for on-site safety promotion, we have also established and are running a three-fold management system for safety incident reduction, centering around prevention reinforcement, near-miss incidents* and recurrence prevention.

for securing safety

Safe and Healthy Workplace

Incident Prevention Process



* Near-miss incident: A condition that the risk of potential outbreak of an incident is there, but did not lead to actual injury

LX is enhancing the maintenance and management system for facilities including national infrastructure, multi-use facilities, and government office buildings, improving the working environment. In 2021, the institution established mid-to long-term plans for real estate supply and demand as well as for safety management for preemptive maintenance and management and performance improvement. Following approval from the BOD in January 2022, the institution is also taking safety measures by prioritizing facilities that were graded C in accordance with the results of safety assessments. Furthermore, to secure facility safety, we established a two-pronged safety inspection system which connects LX's internal safety inspection conducted by our employees with expertise in this area with safety checks performed by external institutions specialized in safety diagnosis. We are also executing the safety budget for vulnerable facilities through investment in safety and creating safe and healthy workplace where the people and employees feel safe through environmental improvements such as facility remodeling.

2021 Performance of strengthening safety management capabilities



Enhancement of Safety Management Capability

LX is performing capability reinforcement activities for employees in charge of safety management in order to prepare for regular safety risk assessment. With the aim of resolving discrepancy in the levels of safety management between institutes, LX is enhancing expertise of the relevant personnel by inviting external experts and offering trainings tailored to each regional staff and offered working-level training to 204 staff from 184 institutes in 2021. striving to establish the safety management system reflecting branch-specific characteristics. In addition, we reviewed and supplemented 847 cases of deficiency.

Strengthening Onsite Safety Management

2021 Safety management performance

for new construction

suspension of work

onstructio

PTW for high-risk operations

- Perform work after PTW·safety are secured

Secure safety by implementing Safety Call to call for

9 years in a row
severe · fatal
accident At Zero

LX is running an on-site construction management officer system in order to prevent severe accidents, such as fatal accidents, at new construction sites and create conditions for sound construction, securing safety in facility construction. In 2021, the institution put specialized construction management officers at construction site from the design to the completion phases, considering safety factors as top priority in making decisions on design change. In addition, we strengthened safety management by designating safety and health coordinators with expanded roles, and held a coordinator-led inspection meeting 12 times, taking safety actions subsequently. Thanks to such efforts made, the construction of 3 new facilities has been completed without any safety-related incidents.

X, Preventing o safety incidents stepwise safety	with of safety ma		management officers on site but also established a sys ruction phase, which was joined by the head of an orde xternal experts.
Common	· Prepare, review & provide safety & health reg	isters in phases	\cdot Provide basic safety and health registers to 3 sit
Pre-design	 Hold meetings for risk detection and risk reduplans and trainings Participation of internal and external construction 		 Meetings to identify hazard risk factors and trainings: 2 times Internal & external safety experts, construction management officers
Reflection in design	 Review design safety design safety health reg Perform prevention of hazard risk factors and factors in design drawings 		• External expert's design review: 2 times • Reflection of hazard/risk factors in design: 11 ca
	 Check remaining risk that could occur during Establish and enforce safety inspection mana 		 External expert's site inspection guidance: 12 tir More site inspections by the head & executives of institutions: 14 times

- Correction made for 28 cases of indicated inadequacy (100%)
 - Enforce PTW for high-risk operations - 15 cases of installation & breakup of molds and temporary structures
 - Implement Safety Call for heat wave and suspension of risky work: 6 times

Regulatory improvement for protection
customer service employees

Revise safety and health management regulations

of

Install preventive measures for health hazards caused by customers' abusive language, etc.

· Prepare manuals for customer engagement methods, etc.

· Support mental hazard-related treatment and counselling

Offer legal support for lawsuits and damage claims

EAP operation structure and performance

	EAP Pr
Stress ma	nagement
Contactless psychological diagnosis (3,094 per.)	Matching to certified counselling (197 times
Select and diagnose stress risk groups for all employees	One on one counselling for stress risk groups•candida

LX, Supporting employees'	•	Accordir
return to work by preemptively		anxiety
preventing and managing		гесоvегу
'COVID Blues'		quaranti
		work wit
		to work

To fulfill its role and responsibility as a public institution, LX strengthened safety and health support for subcontractors and suppliers. The institution manages major safety and health issues of its subsidiaries and suppliers and improves working environment accordingly, by operating the Safe Work Council and the Consultative Body between parent and subsidiary companies. In addition, we assess the safety and health condition at subcontracted and new construction sites including those from suppliers, support inspection for workers at site, and expand the health enhancement program to cover the employees of partners, firmly establishing the safety and health system for both LX and the partners.

d a system an ordering

Improving Health Protection Infrastructure

Starting 2021, LX expanded our health enhancement program to cover not only LX's employees, but also employees of our partners. We conduct on-site health management activities at each institute. Through basic medical checkups, the institution offers customized counselling, prevention and management of muscular skeletal disease, diagnosis and counselling for stress, follow-up of people with symptoms.

In addition, to manage the mental health as well as physical health of every employee, we have revised the regulations for health and safety management, prepared a health protection manual for employees with customer engagement jobs, and are offering legal aid for employee protection. Furthermore, the Employee Assistance Program (EAP) is in operation to provide specialized programs and certified counselling for the stress management of all employees.



ing to media reports, 30% of the COVID-confirmed cases suffer from depression and due to 'COVID Blues'. To deal with this, LX established a systematic process for ry of COVID Blues in each phase, immediately after the case confirmation, treatment and tine, and release from guarantine, in order for COVID-19 confirmed employees to return to vithout sequela. Such efforts led to the returning of all 31 employees with COVID-19 back recovered and healthy physically and mentally.

Safety and Health Together with Suppliers

Information **Security**



Information Security Management System

Strategy for Information Security Management

Goal Achieve 'Zero Cyber Infringement Incident' & 'Zero Personal Information Leak Incident' Strategy Ē 6 Respond to cyber threat Prevent security incident Comply with national security policy Build safe work Strengthen the security environment incident prevention system Implement national security policy Execution task Build up managerial Preemptive actions for technological security Improve based on external cvber security Set up Al-based integrated - Information security, privacy institute's assessment results security control protection

Performance target Zero incidents in information 100% blocking of cvber attacks security·leakage

Enhancing the Cyber Threat Response

Tougher Security Measures

measures Cyber infring attacks information leaks 7FRC

Performance of enhanced security

To better respond to cyber threats and ensure the safety of information, LX has bolstered managerial, physical and technological security measures. Based on these, a mid-term operation plan and detailed sub-plans were newly prepared, existing disaster recovery training - which focused on IT equipment - was expanded to cover the cyber security area, and CCTV operation manuals were revamped, centering on on-site operators. In addition, a detection system for malicious code and abnormal activity was newly introduced to the institution, and the issue of system deterioration which could affect security function was resolved, by installing three-types of security software and upgrading solutions to prevent personal information leak.

Zero security incidents

such as hacking

LX, Enhancing cyber security by installing a cutting-edge AI-based integrated security control system Aiming at conducting integrate management of hacking and other cyber security threats, LX built the integrated security control system to collect anomaly data and perform comprehensive analysis in 2021. Through this, it now became possible to carry out the automatic detection of and real-time response to cyber attacks, which were detected and responded to all manually. Going forward, LX is planning to build the Al-based integrated security detection system and the automatic response system in order to reinforce a more stabilized information security system.



Performance on privacy protection



4.23 points ▲ y-o-y

LX is making efforts to protect personal information completely in all stages from use to destruction. Access to records are confirmed and check every month in the stage of personal information use. To manage the information, LX conducts a guarterly check on changes in the registered data of personal information files, and immediately deletes any customer information whose retention period expired. Furthermore, security vulnerabilities are checked and follow-up measures are implemented in order to enhance the prevention system for privacy infringement and leak incidents, and a 4-phase security violation handling process is in operation, toughening up security violation standards. Through this, we are making great progress in successfully preventing privacy infringements and avoiding information leaks.

Embedding a Culture of Security Awareness

landscape.



Bolstering Security Check Training & Security Environment

As part of its efforts to strengthen information security, LX is performing a status check for security information management, trainings for cyber attack response, and relevant cyber education. In November 2021, we assessed the performance of each institutes' information security management, and checked on the security status of 8 business sites, further enhancing our emergency response capability. In addition, we bolstered the initial response capacity to prevent cyber infringement incidents through training on how to respond to email hacking, computer network penetration and DDoS attack, and provided all employees with remote trainings, improving the security awareness further. The institution also took preemptive security measures, such as dual authentication processes and internet blocking during video conferences, in order to protect security in the contact-free landscape and ensure business continuity.

Strict Management of Personal Information

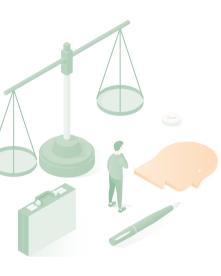
LX is securing information security capability through trainings on how to respond to cyber infringement incidents as well as specialized security trainings, and preventing security incidents through security trainings on malicious codes and web vulnerabilities in a virtual



Human Rights Management

2021 LX

Sustainability Report



Human Rights Management System

Human Rights Implementation System

To take human rights into account in the overall management of the institution and to embed human rights firmly in the organization, LX has installed and is running a department dedicated to human rights. In addition, LX established regulations for human rights management as well as for human rights violation investigation and relief, and is resolving employees' predicaments related to human rights through counselling. The Human Rights Management Committee, the institution's top decision-making body for human rights, deliberates and determines on major policies to protect and improve human rights based on the 'human rights regulations.'

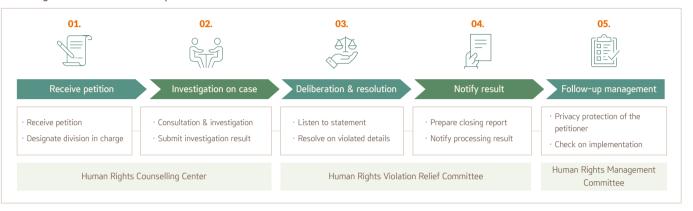
Strengthening a Foundation for Human Rights

As we are in an advanced stage for human rights promotion, LX has overhauled human rights implementation regulations to enhance the foundation for human rights management. First, the human rights management officer was elevated to an executive-level position, and the regular enforcement of human rights impact assessments was stipulated in the regulations. In addition, LX granted the head of a department a right of statement to allow him/her to exercise the right in the Human Rights Management Committee, and added visions and global standards to the human rights declaration, enhancing the executive ability of human rights management. Furthermore, to upgrade the code of conduct centering around victims, channels for reporting and receiving human rights violation were unified, laying a firm foundation for human rights management.

Mid- to Long-term Roadmap for Human Rights Management

Vision	Respecting one another and growing together in an LX without discrimination					
Mid- to Long-term Roadmap	System Setting Period(2019-202	0)	Advancement Peri	od(2021-2022)	Value	Spreading Period(2023-2025)
Kodomop	 Establishment of human rights management system Development of human rights system and norms 	ns	Advanced human right system Strengthening preven activities	5	manage	thening the spread of human rights ement ed discriminatory monitoring
Direction of Compliance	Strengthening the foundation fo human rights management		Realization human rights			stablishment of a culture of respect for human rights
Initiatives	 Development of human rights management implementation system Enhancement of relief and victim protection 		· Development of comprehensive human			nprovement of on-site human rights zed human rights activities
Implementation System	88					হায় উট্ট
	Dedicated Department		Norms	Consultation Cl	hannel	Review and Decision
	Ethical Management Center, Public Relations Department, Labor-Management Cooperation Department, External Cooperation Department	Regu Viola	an Rights Management lations, Human Rights tion Investigation and edy Regulations	Human Rights Couns Grievance Counseling	5	Human Rights Management Committee Human Rights Violation Relief Committee

Human rights violation remediation process



2021 Human Rights Impact Assessment

2.3 points \land YoY

8.2 points A YoY

Institution operation items

Key business items

site.

Human rights impact assessment process



Identification & Management of Human Rights Risks

Remedying Human Rights Violations

LX thoroughly investigates human rights violations through its human rights relief system and manages human rights risks by monitoring how the remedial measures are implemented in accordance with investigation results.

Human Rights Impact Assessments

LX performs the human rights impact assessment once a year according to human rights management regulations. Based on the human rights management manual set forth by the National Human Rights Commission of Korea, the institution compiled the checklist of 158 indicators in 10 areas and then added 48 new indicators reflecting the latest human rights issues in 4 areas in accordance with our cadastral business. Among with this, assessment was conducted on relevant departments in charge, and experts' due diligence was carried out on

The human rights risks identified through the assessment are addressed by preparing improvement tasks and conducting response activities. The identified risks from the 2021 assessment includes suppliers' human rights violations, industrial safety management, and protecting the human rights of the disabled. According to this, we investigated suppliers' standards with respect to human rights, checked for submission of written commitments for human rights protection, improved standards and regulations for protective gear management, and provided education and training tailored to the physically challenged.

Card news release on workplace bullying

[배움] 시대의 변화를 읽고 공부합니다

[이해] 살아온 시대의 차이를 이해하려고 노력합니다

선배 세대가 집단주의 직장문화 속에서 상명하복으로 삶 후배 세대가 자유로운 개인주의 문화 속에서 성장해왔다! [배경] 지위와 관계의 차이를 배려하려고 노력한니다

Campaign for culture of respect for

human rights

예방이 최선

2021 Human Rights Management Index





Human Rights Impact Assessment

in the workplace, etc.

Ð

82.93 points

Human Rights Management Index



Industrial safety, non-discrimination in employment, protection of human rights

30 questions in 8 areas

Establishment of a Culture of Respect for Human Rights

On-site Human Rights Improvement with Suppliers

Aiming at becoming a human rights friendly institution through improved human rights onsite, LX is engaged in various human rights activities covering not only the institution but also its suppliers. In 2021, we promoted human rights communication activities, paying a visit to regional HQs and branches, and opened a counselling and reporting channel for human rights violations by suppliers' personnel in charge of contracts. In addition, we entered into a business agreement with LX Partners, our subsidiary, and set up a cooperative system to enhance the capability to implement human rights management. Based on this, LX provided support for LX Partners' establishment of the human rights management system such as the composition of the Human Rights Management Committee, human rights impact assessment, and relief process, as well as for human rights education to operate institute-specific laws and regulations and improve sensitivity for human rights.

Diversification of Human Rights Education Programs

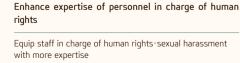
To enhance human rights awareness, LX diversified human rights education programs, spreading a culture of respect for human rights. In 2021, the institution proceeded with the human rights education by dividing it into internal and external human rights protection, job expertise build-up, special education. Going forward, we will continue to do our utmost to have human rights management firmly embedded in our institution, by promoting the diversification of these programs.

Direction for the diversification of human rights education programs

Special training on human rights management

026





- Counsellor training: 23 employees, OJT: 60 employees



Special training for high-level managers

Create workplace culture of mutual respect 189 of senior team leaders or higher manager



Protection of Stakeholders' Human Rights

To protect human rights of internal and external stakeholders and strengthen communication for human rights management, LX is implementing participative human rights activities and promotions. In 2021, the institution held the Human Rights Success Case Contest and gathered various ideas and opinions from internal and external stakeholders, and hosted the Meeting Human Rights with Book Exhibit to help enhance human rights awareness among local residents and employees. In addition, as part of a campaign by the public institutions' human rights consultative body, we carried out an initiative to spread the culture of respect for human rights, drawing a consensus between the institutions on reinforcement of the human rights management system and the spread of the culture.

Along with such participative activities, we also disseminated latest trends regarding human rights through publications and our intranet platform. Moreover, 18 hidden cameras were distributed to the HQ and regional HQs to prevent digital sex offenses, and an informative card on workplace bullying was produced and released.

KPI for Human Rights Management

LX has developed and is operating a comprehensive human rights management index, implementing the mid- to long-term management system for human rights management. LX's Ethics Management Center and external experts led the development of this index, which is divided into three categories: human rights management implementation level, performance, and internal culture. Through this, the institution has successfully ensured reliability and transparency in its human rights management performance. The index is utilized as a performance indicator for its mid- to long-term management strategy, further upgrading the systems for human rights management.



Customer **Satisfaction**



What is RPA?

RPA, an abbreviation for Robotic Process Automation, refers to technology for automating work processes using software robots

Customer-centered management promotion system

LX strives to enhance the public interest, convenience, and customer value of cadastral surveys and spatial information projects, through Consumer-Centered Management (CCM) based on LX's Customer Service Charter. The institution is actively expanding its R&D infrastructure to secure business competitiveness and future growth engine while guality management and the Voice of the Customer (VOC) are used to keep improving the customer satisfaction service process and also to reflect customer opinions to the process, providing accurate spatial information and cadastral survey services.

LX Customer Service Charter

٧	Ve will provide the best national land information service by strengthening our professional
C	apabilities.

We will find out customer needs in advance and offer tailored customer service.

We will think and behave from a customer's perspective with an open mind.

We will follow the principles and standards to implement reliable and trustworthy service for customers.

Customer Satisfaction through Innovation

Digital Innovation

Through future-oriented research and development, LX is pursuing digital innovation in the overall cadastral survey business. The institution is currently developing an electronic communication system without any restriction on time and space by integrating threedimensional data such as 3D VR images, drone images and light detection and ranging, for the first time in Korea, and is planning to complete the development and verification by 2022. In order to develop cadastral survey business regulations based on 3D drone image technology. LX will also establish drone use regulations, as well as process-specific image use standards, through procedures such as reviewing drone-related rules, combining new technologies, and expert consultations and verification. Along with this, RPA, an automation solution, will be introduced to the manual repetitive, periodic and standardized work in order to dramatically reduce manpower, time cost, and potential human errors and to achieve digital work innovation through the pilot application of RPA in 2022.



LX Digital Twin Experience Zone

Performance of 2021 cadastral survey quality improvement

International standard benchmark

550.000 points installed additionally $(190.000 \text{ points} \land YoY)$

Basic cadastral YoY infrastructure

the whole benchmark Ratio of error correction 46.9% to total errors

Cadastre Advancement Mid- to Long-term Roadmap

Demonstrated Possibility (~2020)

[Research] Reorganization of land category system (Busan-si) [Demonstration] Land census project (Yangpyeong-gun)

Laying the Foundation (2021 to 2022)

Development of Integrated Cadastre Management System · Establishment of data management and utilization process

Advancement and Expansion (2023~)

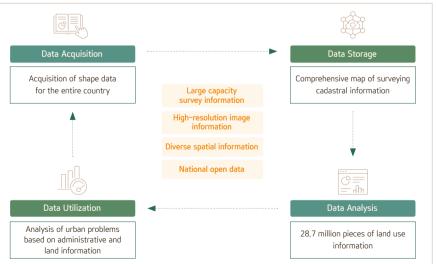
Expand advanced cadastre information to 229 local governments Provide advanced cadastre information to private industries, and the public

0.48 million

Drone and aerial image linkage and

survey data

Spatial data





Advancing Cadastral Service Quality

LX has established the 2030 Future Strategy for Cadastral Business, centering around the idea that convergence technologies such as Digital Twin, drone and autonomous driving are to be utilized in road, postal address and city planning, and is promoting quality advancement to realize a cadastral future led by LX. To this end, the institution is developing basic infrastructure which guarantees the accuracy of cadastral surveys by monitoring international benchmarks in real time and securing dedicated surveyors. It is also improving the error correction process for cadastral records by ensuring good governance with respect to the government and public bodies. In the future, we are planning to offer integrated information with high usability, based on more advanced cadastral information, and thus aim to lay the foundation for the integrated management of standardized national land information.

Advancement of Cadastre Information

LX has established a mid- to long-term roadmap for advanced cadastral information to respond to internal and external environmental conditions, such as the Korean New Deal 2.0 policy, and the development of high-precision imaging technologies, such as aviation and drones. In 2020, we identified the advancement of cadastre as a top-priority task. In 2021, we made efforts to lay the foundation for data-oriented cadastre information digitization. We aim to provide advanced cadastre information to 229 local governments, private industries, and the public throughout the country from 2023.

The top priority for cadastral advancement is the lack of a management system for the entire life cycle of cadastral data and the process of linking large amounts of existing and new data. To solve this problem, LX has established a data-oriented integrated system.

Data-oriented Integrated Cadastre Information System

LX will strive to ensure the stable operation of the data ecosystem and the consistent spread of digital cadastre property.

Disclosure rate of requested information

69

29.3

Disclosure rate of original copies

91.1

48

(Unit: %)

2019

17.4

(Unit: %)

Communication with Customers

Cadastral Survey Service Improvement Performance



Site observation time minutes **v**

Survey shaded areas*

000 of on-site work J 70 hours ▼

Survey processing period

days from the previous year 🔻

Customer-oriented Cadastral Survey

Rapid Cadastral Survey Service

LX has established three improvement tasks to provide a prompt cadastral survey service. First, we improve flexibility to handle tasks, We monitor the workload by region and team in real-time and immediately assign nearby urgent work to the relevant team if a work gap occurs due to a cancellation request. In addition, the smart work environment-based urgent work processing system used in some branches has been expanded to 169 branches nationwide. Second, we improve the speed of surveying, performance. We have introduced an observation equipment hybrid solution* to receive multiple survey data through simultaneous observations and improved mobility by replacing survey equipment with mobile devices from on-site PCs. Third, we improve accessibility to survey sites. We have developed a domestic drone specialized for cadastral surveys that can be used for on-site verification in dense forests or in mountainous areas with steep slopes. The survey processing period was reduced by 0.9 days compared to the previous year.

* Hybrid solution: A system that integrates various observation equipment (total station, GNSS) with on-site PCs, mobile devices, etc.



Cadastral Survey of Mountainous Areas

Sharing the Difficulties of the COVID-19 Crisis

Reduction of Survey Fees



Reduction for re-requests KRW 900 million yearon-year

LX operated the LX fee fast track to help those who are tired of increased utility rates and the prolonged economic recession caused by COVID-19. In January 2021, additional exemption and exemption of charges was implemented for survey re-requests, which have the highest customer demand within the reduction system*, followed by implementation of charge reduction policy from June to October. We frequently consulted with the Ministry of Land, Infrastructure and Transport regarding the overall policy for service charge reduction, and we agreed to expand the benefits of charge reduction for the first time.

* Reduction system: Agricultural infrastructure government subsidy project, rural housing improvement project, survey re-order, national merit and disabled persons , return service re-order etc.

Performance of 2021 communication with customers

No. of cadastral



Customer satisfaction index

Goals, 3 yrs. in a row 100% achieved

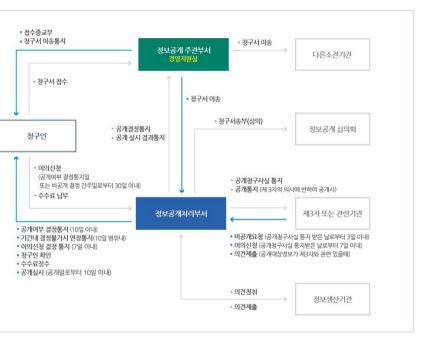
Providing Contactless Survey Consultations

LX is striving to improve customer service satisfaction, by enhancing contactless services with which consultation on cadastral survey can be provided in a simple and easy manner whenever and wherever. For this, the institution expanded its existing Consultation DB to offer a fast and accurate service while providing expertise in various fields, including the survey consultation, complaint and lawsuit. In addition, LX performs in-depth interview with customers in order to address their inconvenience. In this process, we listen to customers' opinion and make subsequent improvement in all phases from consultation and reception of complaints to followup management, while enhancing consultation service quality by building up the certified counsellors' competency. Furthermore, LX built a customer relation management system through which the whole process is open to the public and customers who filed a complaint can voice their opinions, and also revised internal regulations to allow customer participation in the compensation process when there is a cause attributable to the institution, accelerating enhancement of customer communication and satisfaction.



Expansion of Information Disclosure

LX is trying to ensure the public's right to know and expand information disclosure on demand. To provide information highly demanded by the people guickly and conveniently, the institution improved the way of information disclosure, by visualizing information and providing easy-tounderstand commentaries. It also enhanced the legal procedure for the disclosure as well as information processing for disclosure of original copies, which led to a reduction in the number of days required for legal procedure from 10 to 4.7, and to disclosure of 318 closed documents to the public. In addition, we provided digital information on land, safety and living which is close to the public life to public data portals, apps, and websites, disclosing 24.43 million pieces of information to the public in 2021.



Information Disclosure Process

Channel Operation In Accordance with the Communication Direction of Stakeholders

LX operates communication channels that correspond to the characteristics of each stakeholder.

	Main Stakeholders	Communication Channels	Description			
Public Engagement	· Survey applicants	Customer complaint channel (CRM, etc.)	 Improvement of integrated customer management system for civil complaints Free legal consultation with the Anti-Corruption & Civil Rights 	_		Service satiImplemente
10 m	 Civil petitioner requesting information disclosure 	Public Engagement Innovation Group	• Participation and reflection of experts and the public in policies			Policy partic
	 Young people interested in employment 	National supporters	· Sharing of LX's policies and business			Content pro
		National Branch Number Keeper	 Investigation and proposal of national branch number plates (2,640 cases) 	_		• 62 cases of
Shared Growth		Overseas expansion center	· Cooperative expansion of overseas business through collaborative communication	_		Private com
	 Community networks Associations and other 	Win-win development forum	 Communication activities with all walks of life, including local residents Improving the living conditions (culture) of the innovative city 			Hold LX Bus Participating
	related industries · Supplier (private business)	Jeonbuk social value network	• Promotion of cooperation projects with related institutions such as relocated public institutions			 Establishme Revitalization
		Integrity cluster	\cdot Communication through the Integrity Nuri Cultural Festival	_		Achieved 2n
poperation on Policy Implementation	· National Assembly,	Spatial information forum	• Discussion of data standardization and quality improvement plan	_		• Establishme
	Government (Local Government) · Relevant institutions (public institutions)	Spatial information policy advisory committee	 Held an advisory committee for the development of spatial information industry and creation of a convergence market 			Developmen
	Press, influencer	Press conference	 Held press conferences by Ministry of Land, Infrastructure and Transport and Jeonbuk Provincial Office Correspondents (6 times) 	_		• Media repor
Vision Sharing		We Land	· Improvement of in-house intranet forum communication	_		• Employee pos (264 in 2020 →
	· Employee · Union	Millennial board	 Strengthening communication management with the MZ generation 		►	Metaverse ta - In-house Intra
			· Online communication interview with LX's executives			

Communication Outcome

isfaction: 3.8 🔺

ed legal counseling in remote areas (Cheongyang-gun, etc.)

cipation and innovation strategy 142 cases

oduction and spread in 2021 143 times

labeling errors such as damage and non-verification

npany revenue: 35% year-on-year 🔺

usking (April to October) ng residents' satisfaction: 94%

ent of Gochang Youth Shouting Center ion of youth \rightarrow Prevention of population outflow

nd level of integrity through diffusion activities

ent of Plan for International Standardization of Domestic Standards

ent of policies and proposals in connection with DT and Metaverse industries

orts on national safety and new growth industries 1,756 arthices

osts: 360 ▲ → 951 in 2021)

alk concert anet participation (1,600 times)

m internalization index: 0.4 points 🔺

Human Resource management



2021 job creation performance

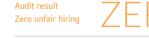
No. of jobs



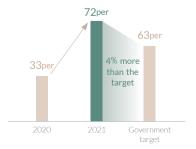
2.281



2021 fair employment performance



2021 local talent recruitment performance



Creation of Decent Work

Strategy for Job Creation



Fairness and Transparency in Employment

To promote fair and transparent employment practices, LX pursues open recruitment, centering on job competency. Since 2013, the institution has adopted the NCS-based employment system and been evaluating applicants' job competency based on job relevance, by presenting jobrelated questions, and added a blind interview to the system, ensuring fairness and objectivity in the recruitment process. In addition, we are 100% complying with the fair employment process, by verifying the process and making interviewers' disgualification report mandatory.

More Diverse Employment

LX continues to increase employment opportunity for women, high school graduates, talents from local regions, the physically challenged and other groups disadvantaged in employment. The institution ran the LX Open Campus, a campus recruitment drive, for students from 5 universities in the Jeonbuk region to help the students receive training for cadastral surveying certificates, an essential gualification to join LX, which resulted in the recruitment of the most talented regional workforce ever. In addition, we hired 6 people with physical challenge in 2021, after providing OJT and other customized training to applicants with disability through LX GOGO Package, a job training program with possible recruitment afterwards. Besides, special recruitment and preferential programs are implemented to support the social groups disadvantaged in employment such as families of low income or multiple cultures, and an employment quota system for gender equality is utilized to further expand a pool of female talent

2021 Institution-wide human resource development performance

Education · on-site training applied to field work



National human resource consortium

Excellent 4 yrs. In a row



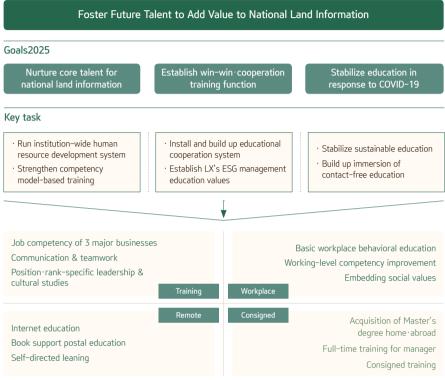
Vision

LX, Nurturing —	• By di
next-generation cadastral	equip
experts	and p
	progr
	techn
	techr
	Furth
	visit,

liversifying training and education methods, LX has been nurturing cadastral experts pped with working-level competency, from survey basics to application of new technologies, providing accurate survey performance. The institution provides customized education rams which cover from principles of cadastral survey to specialized training applied with new nologies, and offers online contactless hands-on training using Virtual Reality and other new nologies, cultivating core personnel to conduct next-generation cadastral survey business. hermore, consultants' 1-on-1 mentoring is provided during the programs as well as the site and immediately applied in problem solving. As a result, we produced 225 cadastral experts and 200 drone experts, covering all stages of the programs, in 2021.

Enhancement of Employee Competency

Direction for Competence Development



Professional Training & Education per Competency Model

LX is establishing a competency-oriented talent nurturing program, by running professional training and education in connection with LX's key business. For better performance in cadastral survey and spatial information business, the institution is actively promoting vocational competency training such as hands-on work experience program for knowledgebased convergence as well as a national land information expert course, and is providing education programs to cultivate common capabilities including report writing and communication skills. In addition, trainings are also offered at each job level from the newly hired to high-level managers in order to enhance leadership capacity, and workshops are held for capacity building of female managers. In addition, as part of the internalization of social values tailored to the declaration of ESG management, we are spreading ESG management such as preventing violence and improving awareness of the disabled to all employees.

Good Environment for Work

Open Labor-Management Communication

LX performs surveys and diagnosis on the win-win index of labor and management and improves areas of weakness in order to spread more open and innovative labor-management culture through cooperative labor-management relations. In 2021, the board of directors observation system was implemented to enhance labor-management communication and involvement, and promotion channels using social media are in constant operation to strengthen communication between all ranks and all ages.

LX labor-management strategy



2021 Good Environment for Work Performance



Ministry of Gender Equality & Family Family-friendly certified

Use of parental leave 27.8% A YoY

Use of selective working hours 29.4% A YoY

Improvement of Work Environment and Culture

To make a happy workplace for all employees, LX is currently running several systems to improve ways of working and keep balance between work and life. We have cut down on the time for conducting cadastral survey and handling administrative affairs, by upgrading our cadastral equipment and systems as well as introducing the online administration system, and have in place systems more inclusive for individuals and family, through extension of paternity leaves and ease of childcare leave policies. In addition, a variety of working policies has been adopted, including change of working shift, selective and flexible working hours, and flexible quota system, which led to the establishment of a work environment where employees' work and life could strike a balance.

Fair Performance Evaluation System

LX established a personnel management system based on competency and performance, and operates a fair performance evaluation procedure to collect opinions from employees. We operate a blind evaluation to exclude educational background and regional connections during promotion screening to conduct fair and transparent personnel arrangements. In addition, performance management indicators are managed based opinions from all employees through in-house SNS and discussions between labor and management. Training and coaching based on competency diagnosis analysis are provided to low performers to improve their performance.

Win-win Cooperation

2021 SME Support Program Performance Low-interest rate fund for SMEs(accumulated) KRW 23.35 bn to 170 SMEs

2021 Support for Growth of Private **Enterprises Performance**

Private enterprises participated in cadastral resurvey

Sales of private sector in cadastral

2021 Joint R&D Promotion of Industry-Academic Cooperation Performance

No. of joint R&D

resurvey

Continuous investment in private R&D sector KRW 10.08 bn accumulated

Shared Growth

LX runs various SMEs programs to promote win-win cooperation with SMEs and create jobs in the private sector. The existing low-interest rate fund, which was previously provided to SMEs involved in spatial information cooperation or located in the Jeonbuk region, was expanded to include startups with low credit scores and ESG companies, and the size and limit of the fund were increased, offering the accumulated total of KRW 23.35 billion to 170 companies in 2021. Furthermore, LX organized a group of companies to participate in a new technology development project, a joint R&D investment, of which the institution offered the total of KRW 1.4 billion to 5 SMEs. We also provided KRW 1.2 billion to 2 SMEs from the land and transportation commercialization support project. In addition, LX operates the LX Space Dream Center, a start-up support center. We have selected 10 companies through competitions every year, and we build a growth environment for companies by providing LX start-up programs such as commercialization funds, (free) start-up space, education, consulting, and domestic and foreign sales development programs. As of February 2022, the corporation is discovering and fostering a total of 62 startups, taking the lead in creating a shared growth culture in which LX and venture companies grow together.



SME Support Program



On-site visits to win-win growth between public institutions and SMEs

Support for Growth of Private Enterprises

In September 2021, LX designated one of its institute to implement diverse support programs, with an aim to revitalize the private market for cadastral survey services through the private sector's more participation in cadastral re-survey business. The institution established a regular channel of communication for the public, private and community consultative body, and supports working-level projects at site through on-site consulting and mentoring programs. In addition, we offered the on-the-job training to 115 people as well as the online content for the privatesector expert training course. As a result, the number of private-sector enterprises taking part in the re-survey business stood at 92, and the net sales at KRW 14.4 billion, up 360% year on year.

Furthermore, as part of our efforts to reinvigorate ta win-win environment for the private sector, LX promoted a business-academic joint R&D, which included spatial information analysis such as the technologies for Al-based autonomous driving delivery robots as well as future convergence studies related to the smart city. To strengthen R&D capabilities of the private sector, the institution kept investing in 13 research projects regarding the 4th industrial revolution with its accumulated total investment amount reaching KRW 10.08 billion in 2021.

Rural Community Mutual Growth Fund

LX signed an agreement with the Rural Community Mutual Growth Fund with farming and fishing villages to pave the way for sustainable growth, and has donated KRW 100 million every year since 2017. In 2021, the fund was used to promote medical volunteer activities for medical vulnerable groups in Jinan-gun in 2021. We provided personalized medical consultation, western and oriental medicine treatment and prescription, individual health consultation services to help maintain a healthy life for the elderly who are suffering from underlying diseases and health care due to old age.

2021 Support for Social Enterprises and

Rural Areas Performance

Public purchase consultation

Local community

gift card

KRW (), 18 bn in purchase,

Expansion of self-service standards Agricultural ____ expanded to

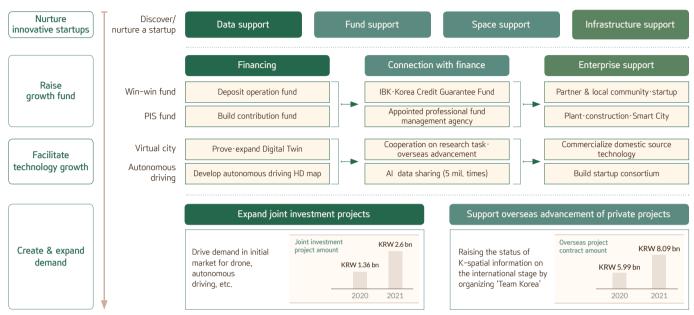
Flea market at mothers' social community

43% Yoy

Technological Growth Path for Innovative SEMs & Startups

LX built a Growth Ladder in connection with New Deal projects such as Digital Twin, drone and autonomous driving and promoted implementation tasks tailored to each growth path in order to develop next-generation Unicorn companies.

Develop innovative SMEs/startups customized to each growth path





2021 Space Information Application Software Expert Training Course

Geospatial Information Academy

LX has strengthened the job competency of the incumbent and fostered customized creative talents through the space information industry customized human resource training project. In addition, we are contributing to the creation of youth jobs through employment linkage along with the development of a curriculum that reflects the latest technologies in the field of spatial information. In recognition of these achievements, we achieved the best A grade for four consecutive years in the performance evaluation of the joint training center of the National Human Resources Development Consortium.

Expansion of Social Buying

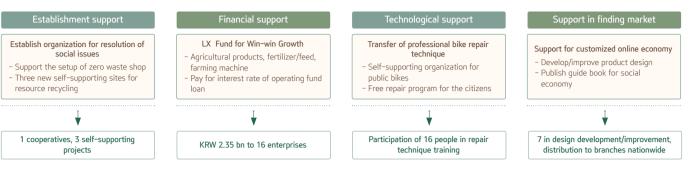
LX is expanding support for social economy enterprises such as social enterprises, cooperatives, village enterprises, and self-supporting companies, striving to 'reinvigorate a broad, new and unique social economy.

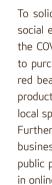
Direction and task



In 2021, there were 2 rounds of public procurement of the social economy and 7 rounds of product development/improvement, and LX also supported a sustainable multi-disciplinary growth infrastructure from establishment to sales.

Establish social economy organization infrastructure for farming and fishing sectors







Establishment of Fair Economic Order

Introduction of LX-type Best Transaction Model

model.

LX-type best transaction model





To solidify product competitiveness tailored to an online economy, LX provided support to social enterprises to help them adapt to the growing online economy thanks to the elongated the COVID-19 period. For instance, we manufactured and sold specialty goods with an option to purchase together with social enterprises, by using local specialties such as Jeonju sweet red bean jelly and wooden cutting boards. Also, we improved the packaging quality of such products as white lotus leaf tea, sesame and perilla oil, rice, and Korean traditional cookies, all local specialty products from 5 areas of the Jeonbuk region.

Furthermore, LX expanded its support in finding more markets for cooperatives and micro businesses to help them overcome the pandemic-induced reduction of sales, by holding a public purchase consultation, expanding operation of self-service stands, hosting flea markets in online social communities for mothers, and issuing local community gift certificates.

LX introduced the LX-type best model for fair economy settlement. The LX-type best transaction model was introduced through four steps: collecting prior opinions-analyzing demand-reviewing characteristics of each organization-developing applicable best transaction

- Transaction model with partners

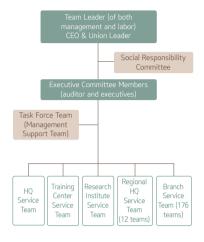
Introduce the comprehensive screening & bidding system · Introduce the fair trade pledge system

· Active use of joint contracts · Establish system of subcontract keeper

In 2021, LX expanded the fund settlement route management to our contractors and established fair order by increasing the down payment rate for smooth business execution of partners while achieving a 'no problem' response rate of 99.7%.

Social Contribution

Social Service Organization Chart

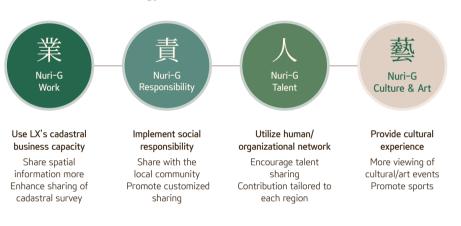


Social Contribution System

Nuri Cadastral Service Team

Under the vision of 'creative social contribution to give hope to the people', LX established strategies for social contribution and launched the Nuri Cadastral Service Team, Furthermore, the institution carries out systematic management of such systems as the social contribution mileage system and institute-specific activity sharing in order to encourage more participation from employees in the service team. With continuous social contribution through the team, we will enhance our social contribution to make it closer to the public, and promote socially responsible management, by using the regional footholds of the institution.

Social Contribution Strategy



Happy LX, Sharing of work competency

業

Among sharing activities promoted using LX's work and capability of cadastral nature are the Survey Nuri-G through which cadastral survey is provided free of charge and survey commission is discounted to the isolated and vulnerable, and the Land Information Nuri-G where useful spatial information is provided via LX's e-Notice for Land app, further expanding our activities for sharing.

書

Knowledge LX, Sharing expertise



With LX's expertise sharing, we are sharing knowledge using national land information through the Talent Sharing Nuri-G which utilize our technological prowess in the areas of cadastral survey and spatial information.

Companion LX, Sharing human resource



It refers to activities where LX reaches out to people fallen into the dead zone of social welfare and offer them with hope, by tapping into its crossnational network. The sharing activities are divided into two tiers, HQspecific and branch-specific, and received a citation and an appreciation plague from the government and the Korea Mecenat Association in recognition of the institution's contribution.



Emotional LX, Sharing cultural experience

With a high regard for the power of culture and art, LX carries out the Culture and Art Nuri-G and Sports Promotion Nuri-G. Among the key artsharing activities are operation of the outreach ballet storytelling and classes as well as of the LX cycling team.

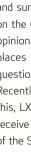
2021 Happiness Sharing Survey Performance



LX Hwasun Branch Happiness Sharing Survey

2021 Sinmungo on the Go Performance







Social Contribution Activities

Happy LX, Sharing of Work Competency

Happiness Sharing Survey

Happiness sharing survey is LX's most representative social contribution activity where it provides free cadastral survey for residential stability of the isolated and vulnerable people. The free survey is provided either through recommendation from the public agencies in the area where LX's Regional HQs or branches are located or through direct discovery of the households in need by the institution. Through this activity, the happiness sharing survey was provided nationwide in 2021. The Seongju branch shared its survey service to the households in disaster areas of Seongju-gun which were selected for the Gift House Season 7 modular housing support project implemented by the Korea Disaster Relief Association. In addition, the Yeongqwang branch offered free survey service to a multicultural family who is the grand prize winner for its filial behavior, awarded only to residents of Yeonggwang-gun, Jeonbuk, for the land slated for construction of a new house for the winning family. The happiness sharing survey was also provided to the area of Hwasun-gun, Jeonnam to support a new house construction project for the single elderly households in the low-income bracket. Going forward, LX will continue to contribute to expansion of the sharing culture, by promoting our public services of cadastral survey further.



Knowledge LX, Sharing of Expertise

Sinmungo on the Go

LX signed an MOU with the Anti-Corruption and Civil Rights Commission for resolution of land and cadastral civil petitions, working cooperatively to address civil complaints in the cadastre and survey fields and help the marginalized people in the dead zone of welfare. The Sinmungo on the Go is a program to gather requirements of regulatory improvement including residents' opinions or suggestions, by paying an on-site visit. In 2021, with the program, we visited $\mathbf{3}$ places in the Honam region and held on-the-spot consultation sessions to handle various questions and difficulties from the residents regarding real-estate and cadastral regulations. Recently the number of civil complaints filed with the Commission is on the rise. To tackle this, LX paid a visit to the cadastral re-survey project district together with the Commission to receive complaints and listen to opinions from relevant organizations, expanding the operation of the Sinmungo on the Go.



'Sinmungo on the Go'

Love Performance

2021 Sharing Briguette & Kimchi with

Delivered 7.500 briguettes

Delivered 730 households

LX provides the training and education infrastructure in phases in order to foster local talents regarding national land information and strengthen digital capabilities of workers in the spatial information field. The infrastructure covers from career path experience (Promotion room), specialized training for recruitment (Innovative campus and scholarship), education on new technologies (Spatial Information Academy), to R&D build-up (Spatial Information Research Institute). Thanks to a deep pool of regional talents cultivated based on cooperation as well as phased support using the LX infrastructure, we hired 72 regional talents, which accounted for 31% of the total new recruits of 232 in 2021, exceeding the government target by 27%. Furthermore, in January 2022, we were awarded with a certificate of merit from Jeonbuk University in recognition of our effort made to nurture local talents as a public institution assigned to develop regional leading universities.

Companion LX, Sharing Talent

Sharing Briguette & Kimchi with Love

Together with public agencies moved to the Jeonbuk Innovation City, LX promoted social contribution activities such as the holding of a ceremony for briguette sharing for a warm winter and for Sharing Kimchi of Love in 2021. A total of 7.500 briguettes was delivered to 30 households in the Jeonju and Wanju areas, the kimchi was handed to 730 households in need about Seongdeok-dong, Deokjin-gu, in Jeonju.



Sharing Briquette & Kimchi with Love

Social Contribution Activity Tailored to Each Region

Each Regional HQ of LX is engaged in diverse social contribution activities customized to the characteristics of its own region. The Seoul Regional HO carried out volunteer work called 'Helping Hands for Famers' to help farming families suffer from sluggish domestic demand and shortage of labor due to the aftermath of COVID-19. The Incheon Regional HQ, for its part, performed a DIY volunteer work without contact through which they donated mask necklaces and mood lights they made themselves, and the Gwangju/Jeonnam Regional HQ promoted the activity of plogging, a combination of jogging and litter-picking, which is part of the regional effort to make clean environment.

Emotional LX, Sharing Cultural Experience

Ballet Class

In cooperation with the National Ballet Company, LX runs an outreach ballet program on a national scale to expand culture and art. In 2021, we paid a visit to various elementary schools such as Danyang Elementary School in Chungcheongbuk-do, Taegam/Jangyu Elementary Schools in Gyeongsangnam-do, Hwanghwa/Baekseok Elementary Schools in Nonsan, Chungcheongnam-do, and Moonhye Elementary School in Cheorwon, Gangwon-do. Members of the ballet company taught students about ballet knowledge and motions in person, and practiced ballet movements together with the students, helping them think that to become a ballerina or ballerino could be one of their dreams. In addition, ballet shoes and souvenir t-shirts were given to those who participated in the ballet classes in Gyeongsangnam-do and Jeolla-do.

LX Cycling Team

Founded in 2006, LX Cycling Team held the first Cycling Rising Star program in 2021 where the cycling team from Yangyang High Schoo in Gangwon-do took part. In the program, students learned about the mindset and training tips as a high school cyclist, and a question-and-answer session was opened during which LX instructors and cycle racers with various experience answered to the students' questions, providing advice and know-how customized to each student.



Cycling Rising Star program



Outreach Ballet program

Career path experience	Hands-on experience in LX in connection with 'dream path' - Visit of 113 high schoolers in the regions
Open campus	Run credit course associated with the Education Institute - 23 students from 5 universities
Specialized training for expertise	Education of practical skill offered to those who successfully passed written exam of national qualification - 6 times of training to 61 people
Hands-on internship	On-site internship connected to open campus - 31 interns from open campus, 3 recommended from the province
LX scholarship	Run scholarships of hope, cadastre, & Yi Gi, named after a scholar of Joseon period - KRW 29 million granted to 29 students

Narae Start for high school seniors	Support for high school seniors choosing a regional university - Recruitment fair for regional talent in 8 institutions
Innovative campus	Run regular & special course during vacation - 4 courses to 112 students from 6 universities in Jeonbuk and Jeju
Employment mentoring	Offer employment mentoring service from public agencies - 6 times of mentoring to 15 students who acquired qualification
Build-up of incumbent competency	New digital technology training offered to worker in IT sector - A total of 30 workers from 7 companies in Jeonbuk received the training.
R&D support	Enhance regional universities' 4th industry R&D capacity - KRW 1 bn provided to 5 tasks in convergence filed

2021 Awards for community participation

Win-win cooperation project for faming & fishing village

Development of Jeonbuk Innovative City



Participation in Local Community

Nurturing Local Talent

Resolution of Local Issue

To deal with local issues of youth exodus and senior poverty raised from the win-win development forum, LX operates the Jeonbuk social value network in cooperation with public institutions in the Jeonbuk Innovative City. In 2021, we signed an MOU to turn unused space into a space for the young people, and provided a budget for the project, aiming to nurture startups for local farm products. In addition, a delivery and pickup system was built for café resource recirculation, and 28 people were hired to work at the self-supporting business unit for resource recirculation in Jeonju, Gimje, and Gunsan. Furthermore, 28 seniors aged 65 or older in the areas were offered with the solar energy generation village pension for seniors in poverty, and cooperation was forged to develop regional specialties such as red bean jelly and wooden cutting boards with an option to purchase, selling souvenirs worth KRW 74 million.

Holding Cultural Event

LX hosts a variety of cultural events to bolster corporate social responsibility management and reinvigorate local business in the innovative city.

Innovative city's cultural event

03. Fair · Transparent Management

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Governan Ethics Ma Risk Man

Together with the People

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ice	62
anagement	64
agement	68

Director attendance

rate

Moreover, LX supports more active communication through hands-on onsite management. LX listen to the voices of citizens through free legal consultations, donation events and participation in local festivals for the socially vulnerable, and direct communication between employees and directors through cadastral surveying field experiences. LX also supports efficient communication internally, by posting eco-friendly management materials and safety data on the BOD's dedicated website on a regular basis.

Subcommittees and Performance

Catego

Sub committ

Governance

Board of Directors

Under the principle of autonomous and responsible management, LX has formed and operated the board of directors, the top decision-making body within the institution, in accordance with the Board of Directors operations manual, and non-executive directors make up for the majority of the total number of directors according to the Act on the Management of Public Institutions. As of May 2022, the BOD consists of 5 executive directors including the CEO who also serves as the chairperson (female members by 20%) and 6 non-executive directors (female members by 50%). In addition, three committees, each in charge of policy, technology and management, is running within the BOD and strengthening transparency through the trade union observation system.

Category	Name	Gender	Position and Division	Term of Service
Chairperson	Kim Jeong-ryeol	Male	CEO	Sept. 8, 2020 - Sept. 7, 2023
Executive Director	Choi Kyu-myung	Male	Vice President	Mar. 1, 2022 - Feb. 29, 2024
	Kim Yong-ha	Male	Head of Cadastral Business HQ	Nov. 26, 2020 - Nov. 25, 2022
	Oh E-ri	Female	Head of Management Support HQ	Nov. 26, 2020 - Nov. 25, 2022
	Choi Seung-uk	Male	Head of Spatial Data Infrastructure Division	Mar. 2, 2021 - Mar. 1, 2023
	Park yong-hun	Male	Current CEO of Infra Service Research Center	Feb. 1, 2021 - Jan. 31, 2023
	Song Yeong-seo	Female	Current professor at Ajou University Graduate School of Scientific and Technological Policies	Feb. 1, 2021 - Jan. 31, 2023
Non-executive Director	Je Ah-reum	Female	Current representative lawyer at Cheongryul Law Firm	Feb. 1, 2021 - Jan. 31, 2023
Director	Kang Mi-hyun	Female	Current CEO of Architectural firm	Dec. 1, 2021 - Nov. 30, 2023
	Lee Kuk-hyung	Male	Vice Chairman at Korea Daesung Asset Management	Dec. 1, 2021 - Nov. 30, 2023
	Kang Ju-yup	Male	Director General for Territorial Information Policy of MoLIT*	Jan. 3, 2022 - End of Term of Office

* According to Article 18 (4) of the LX Articles of Association, the Director General for Territorial Information Policy of the competent ministry (MoLIT) shall be an ex-officio non-executive director,

Diversity in the BOD

LX appoints experts in the field of traffic safety, law, spatial information, architecture, policy, etc. as non-executive directors in order to secure expertise and diversity of the BOD. Prior to holding a BOD meeting, consulting sessions are held in various areas including safety, human rights management, policy, and architecture based on professional competencies of non-executive directors so as to result to reasonable BOD decisions, and finally, successful management performance. In addition, LX sets no limit on gender, age among others when it comes to recommendation of non-executive directors. In 2021, we increased the proportion of female candidates in the total candidates proposed by the Executive Recommendation Committee and diversified methods for employment notice, resulting in hiring 3 female nonexecutive directors.

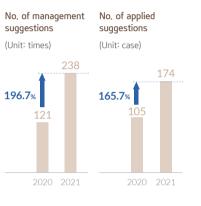


Hold a board meeting



No, of resolved &

reported agenda



Efficiency of the BOD

LX strives to keep the operation of the BOD more open and strengthen its support system in order to achieve implementation objectives for the board's autonomous and responsible management. In 2021, a total of 26 BOD meetings was held, including 13 regular meetings, 12 steering committees, and 1 board innovation roundtable, and the members' average attendance rate stood at 95%, for those meetings, representing their full participation in the decisionmaking process.

LX has revised its BOD operation manuals such as clarifying the legal force of the board's contactless meetings so as to invigorate its operation. In addition, we have our non-executive directors participate in sub-committees of their specialized field, the management policy committee, and the public construction deliberation committee as an examiner, actively tapping into their expertise to preemptively respond to current management issues with their policy advice and managerial proposals. As the public sector's social responsibility for safety and transparency became more stringent, the board shared the occurrence of safety incidents as well as preventive measures on a monthly basis and made improvements accordingly, and also served as a member of LX Ombudsperson in order to improve our transparency further.

огу		Composition	Activity	Key Performance
	Policy committee	Executive(2), non-executive(2)	 Frequent proposal of management · project planning & establishment 	 Enhance driving force to enact construction act Designate an institution as agency in charge of re-survey
tee	Technology committee	Executive(2), non-executive(2)	 networking between the government and experts of the private sector 	 Set up Digital Twin standard model Shorten cadastral survey processing period
	Management committee	Executive(1), non-executive(2)	 Regulatory improvement advice Onsite visit to branches 	 Win a ministerial award for contribution to ESG management Expand certification of safety & health management system

Director Assessment and Compensation

LX assesses the BOD activities and provides compensation in order to prevent corruption and strengthen responsibility of directors. The assessment and compensation are executed fairly and transparently according to the related law and the prescribed procedures. The head of organization receives performance evaluation according to the fulfillment of management goals and key tasks specified in management contracts that have been concluded with the Minister of Land, Infrastructure and Transport. Executive directors are evaluated for their job performance and receive bonuses within the limits of executive salary regulations. Non-executive directors are compensated in accordance with the 'Guidelines for Remuneration of Public Institutions'.

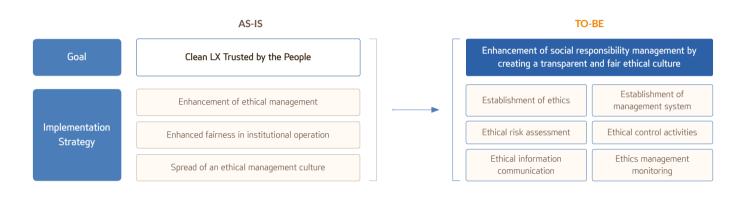
Ethical Management

Ethical Management Promotion System

Direction for Ethical Management Promotion

Under the ethical management objective of 'Clean LX trusted by the public', all LX employees comply with the Ethics Charter and the employee code of conduct. In 2021, we re-established the ethical management promotion system and set up and implemented 3 key promotion tasks - strengthening the foundation for ethical management, enhancing fairness in LX's operations, and expanding the culture of ethical management.

In June 2022, we established an ethical management system linked to ESG management to internalize ethical management by reorganizing the organization for ethical management, upgrading ethical standards, and operating an ethical risk assessment system.



Organization for Ethical Management

LX strives to systematize the organization for ethics management promotion to realize comprehensive compliance and ethical management across all tasks. The officer with ultimate responsibility for ethical management is the President & CEO of LX. The ethics management committee makes decisions on ethical management. We are committed to strengthening ethical management by appointing a non-executive director dedicated to ethical management to serve as an advisor in this respect. Further, we will strengthen our ethical policy establishment and anti-corruption response by forming a permanent cooperative system with the Ethics Management Center and the Inspection and Integrity Department. In addition, we conduct corruption risk assessments and ethical awareness index surveys for employees, and constantly monitor and take quick action through e-audit systems, the corruption reporting center, and the LX Ombudsman to ensure the effective operation of the ethical management system.



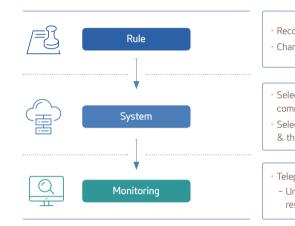


2021 Performance of Corruption

Excellent Institution

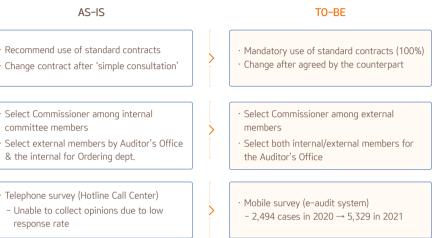
Prevention Award

MoLIT public service area

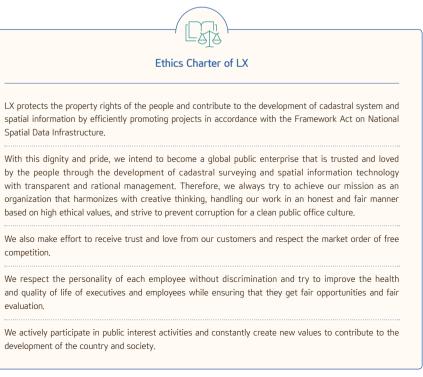


Anticorruption System

With its strong commitment to anti-corruption, LX has set up an organization dedicated to establishment of the corruption prevention system and revised the guidelines and manual on anti-corruption management. In 2021, LX built a three-tier anti-corruption system which leads from rules, system to monitoring, taking the lead in promoting a culture of fair contracting.



In addition, LX has improved the public trust by making it mandatory for employees to use their real name when writing their signature after using a corporate credit card in order to prevent illicit use of the card, running human rights protection consultative body for partners and subsidiaries, posting of details on exclusion of duties or punishment on its website, and running various systems to eradicate power overuse at work including investigation into unfair transactions. As a result, we received grade 1 in corruption prevention policy evaluation from the Anti-corruption and Civil Right Commission and were recognized as 'Excellent Company' in the area of public service from the Ministry of Land, Infrastructure and Transport.



2021 Integrity Culture Performance

Anticorruption Management System

ISO37001 recertified

Integrity as a Culture

Executing Body for Participation of the Public

Operation & performance of ethical management executing organization





85.2 h person

2021 Establishment of Internal Check

Training on internal auditor expertise building

System Performance

Executing system for internal check

as 21 items related to safety inspection and addressed risk factors in advance by checking departments at working level. In addition, we are promoting internal check activities with a focus on prevention in advance to avoid recurrence of risk factors. Moreover, LX offered specialized training in the areas of IT, accounting, etc. to internal auditors in order to strengthen their expertise. In 2021, the total hours of training per capita amounted to 85.2, and all internal auditors succeeded in acquiring audit-related certificates including a certificate as internal check evaluation auditor. In addition, we are improving transparency and reliability of our auditing activities, by operating the Audit Advisory Committee and LX

Ombudsperson which utilized external experts in such activities.

To support institution-wide ethical management and uphold public interest and value, LX has

strengthened the promotion strategies and implementation system for internal check and

systematized the operation of its internal check system. LX has reviewed vulnerable areas

in terms of internal check, which resulted in developing an additional checklist for 57 items regarding spatial information project management and relevant laws and regulations as well

Audit Deliberation Committee	Deliberate on actual audit result / Internal audit rules / Active review on administrative immunity	
Ex	rnal Expert Audit Advisory Committee / LX Ombudsperson / Comment on external audit findings	
Audit Dept.	Constant monitoring / Comprehensive · specific audit / Spread · share audit work	
Dept. at working level	Self-review on checklist(Reckless management/contract) / Compliance with laws & regulations	

Establishment of Internal Check System

Internal check activity & performance



Risk Assessment System

In 2022, LX established a step-by-step risk assessment system for systematic ethical risk management. Ethical risks identified through the system are classified as common/general or unique/core and controlled in accordance with risk levels.

Control Method by Risk Stage

Risk Level	Control Method	
High risk	Strong control through self-audit activities and regulatory improvements	
Medium risk	Strengthening prevention activities through education and monitoring	
Low risk	Efforts to maintain the current level through periodic self-diagnosis, etc.	



2021 Corruption Reporting System Performance

Corruption effectiveness of reporter protection

scores 🔺 YoY

Anti-corruption & Civil Rights Commission Corruption prevention policy evaluation

Anti-corruption & Civil Rights Commission Internal Integrity Level 2, 2 consecutive yrs.

2021년 윤리함양 프로그램 실적

1.7h YoY

Average

integrity

training hr. for

LX aims to enhance effectiveness of the corruption reporting system by improving the public trust in the Corruption Report Center. For this, consigned training was offered to LX employees and partner companies regarding guidance on the reporting channel's operation system, how to report, and precautions. In addition, we inserted a QR code for the center in letters or promotional leaflets made to raise the public awareness for integrity to improve the people's accessibility to LX corruption reporting channel and convenience in reporting procedures.

Non-face-to-face Program for Ethics Cultivation

LX operates various customized education and participation programs to internalize the ethics of all employees. In collaboration with the Anti-Corruption and Civil Rights Commission, we developed integrity education contents suitable for the contactless era, such as 'Live Integrity Education' and 'Micro-learning', and promoted integrity education by life cycle from new employees to managers.

Furthermore, LX held the Integrity Contest where employees participated and created poet, online cartoon or poster on the theme of integrity, and the works deemed excellent were compiled and published as a collection, which were distributed to relevant institutions, further spreading the culture of integrity in the local community.

further.



LX strengthened the executing body of ethical management from the Consultative Body for Spread of Integrity, LX Millennial Board to the Working-level Integrity Promotion Team in order to encourage more participation from the people and thus expanding the culture of integrity

Effective Corruption Reporting System

In 2022, we plan to build an ethical consensus among employees and provide customized preventive education for ethical management by producing an Integrity Echo (newsletter) and conducting integrity self-diagnoses. In addition, we will strive to create an ethical management ecosystem by spreading an ethical culture to subsidiaries, partners, and related organizations.

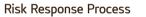
Risk Management

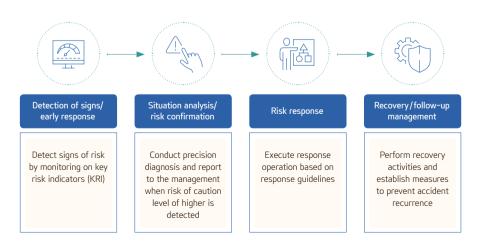
Risk Management System

To proactively manage the key risks that can exert significant impact on its mid- to long-term strategies, LX established risk management manual in detail according to the risk management regulations, and thus managing risks in stages. LX has established detailed operation processing procedures for risk management at ordinary times and emergency risk response activities. In addition, we have a working-level risk management organization in place, centering on the supervising division (planning and coordination office) and handling divisions (divisions and departments of each office) under direct control of the CEO and the vice president.

Diagnosis/Evaluation body (The Auditor's Office) Risk Management Executive CRO (Vice President) Comprehensive risk nanagement at ordinary time Risk management operation Supervising Div. ning & Coordination Office planning/ coordination Handling Div. (Div. & dept. of each office) Full-time monitoring & report by risk type Risk in promotion Risk in management Risk of disaster Risk of conflict

Risk Management Organization





LX selected 24 risk factors based on their likelihood and impact and conducted a questionnaire survey targeting internal and external stakeholders. The departments in charge of each type of risk digitizes and manages the possible risks. LX makes prompt decisions on serious risks by reporting the status and response plans to the CRO and CEO.

Risk Factor Identification and Prioritization

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③ Risk ir & tran

④ Risk in

Bolstering Employees' Risk Response Capabilities

In order to improve the employees' risk management awareness and response capacity, LX provides full-time education and examines its risk management activities. In 2021, LX also provided e-Learning to all employees, and following the training, employees' risk management competency level was assessed so as to improve the educational program based on the assessment result. In addition, LX conducts mock training to develop employees' risk response capabilities.

Proactive Management of Risk Factors

	Management		Dis	saster	
	Unmet management goal	© Risk in	Суbе	er attack	
es	Management deficit	information	Personal information leakage		
	Decrease in cadastral survey	security	Infor	mation system failure	
	demand		Heat	wave/cold wave	
risk	Prolonged cadastral re-survey project	⑦ Risk of			
5 fisk	Change in national spatial information policy	⑦ Risk of disaster	Typh	ioon (heavy rain)	
			Earth	Earthquake	
	Suspension of overseas project		Pow	Power failure	
l risk	Interest rate fluctuation		Infec	nfectious disease	
	Liquidity drop	③ Risk of safety	Industrial accident		
ethical parent	Employee illegality & corruption	incidents		Personal danger of employees abroad	
	Promotion	[Cc	onflict	
promotio	Spread of negative press/pubic	 Risk of conflict with customers 		Survey performance-related civil complaints/lawsuit	
onotio	opinion	⑧ Risk of labor- management conflict		Labor-management disput	

Appendix

Economic Performance

Summary Statement of Financial Position					
Classificati	ion	Unit	2019	2020	2021
	Current Assets	KRW million	167,458	176,650	168,170
Assets	Non-current assets	KRW million	558,641	627,660	676,187
	Total Assets	KRW million	726,099	804,310	844,357
	Current Liabilities	KRW million	90,396	121,843	131,601
Liabilities	Non-Current Liabilities	KRW million	150,831	174,147	163,875
	Total Liabilities	KRW million	241,227	295,990	295,476
	Capital	KRW million	10,000	10,000	10,000
Capital	Retained Earnings	KRW million	474,872	498,320	538,881
	Total Shareholder's Equity	KRW million	484,872	508,320	548,881

* Includes the subsidiary company (LX Partners).

Financial Status					
Classification		Unit	2019	2020	2021
Ct-Lillton	Current Ratio	%	185	145	128
Stability	Debt Ratio	%	50	58	54
	Ratio of Operating Profit to Net Sales	%	3	7	5.68
	Ratio of Net Income to Net Sales	%	3	5	4.74
Profitability	Return on Assets	%	3	4	3.58
	Operating Cash Flow to Total Assets	%	6	8	8.65
	Net Sales Growth Rate	%	(3)	8	5.12
Growth	Operating Profit Growth Rate	%	(72)	132	(10.51)
Potentials	Net Profit Growth Rate	%	(65)	82	(8.77)
and Activity	Total Assets Growth Rate	%	5	11	4.98
	Asset Turnover Ratio	%	1	1	0.75
	Total Asset Investment Ratio	%	67	68	64.17
Productivity	Property, Plant, and Equipment Investment Efficiency Ratio	%	132	120	105.19
,	Unit Labor Cost Increase	%	2	1	1
	Value-Added Productivity Per Employee	%	(7)	6	0.7

Summary Statement of Comprehensive Income

Classificati	ion	Unit	2019	2020	2021
Operating R	Revenue	KRW million	547,670	591,783	622,093
Business	Operational	KRW million	420,862	439,386	449,951
Expenses	Administrative expenses	KRW million	109,786	112,885	136,783
Operating P	Profit	KRW million	17,022	39,512	35,359
Other Rever	nues	KRW million	2,959	2,727	2,282
Other Exper	nses	KRW million	1,924	2,334	3,623
Other Profit	t	KRW million	1,173	1,430	1,880
Financial Pr	ofit	KRW million	3,819	2,197	2,476
Financial Co	osts	KRW million	232	780	236
Net Income	Before Income Tax	KRW million	22,660	42,752	38,138
Income Tax	Expenses	KRW million	4,854	10,427	8,647
Net Income	for the Year	KRW million	17,806	32,325	29,491
Other Comp	prehensive Income	KRW million	1,509	(8,877)	11,070
Total Compr	rehensive Income	KRW million	19,315	23,448	40,561

R&D Investments						
Classification	Unit	2019	2020	2021		
R&D Expenses	KRW million	13,412	18,926	22,879		
Number of Researchers and Developers	Persons	31	34	36		

Registration of Intellectual Property Rights					
Classification	Unit	2019	2020	2021	
Patents (Utility Models)	Cases	34	35	50	
Trademark Rights	Cases	57	63	63	
Copyrights (program Registration)	Cases	400	404	404	
Total	Cases	491	502	517	

Environmental Performance

Energy Consumption and Energy Intensity					
Classification	Unit	2019	2020	2021	
Diesel	LT	40.807	38.252	38.455	
Gas (LNG)	LT LT	8.466	8.456	11.382	
Gas (LPG)	TJ	0.012	2.016	5.723	
White Kerosene	LT	3.701	1.408	0.193	
Gasoline		1.783	2.655	1.147	
Electrical Power	TJ	117.868	127.098	145.475	
Other	TJ	2.06	2.223	2.334	
Total	TJ	174.697	182.108	204.709	
Energy Consumption Intensity	TJ/KRW 100 million	0.03	0.03	0.03	

Water Usage by Source					
Classification	Unit	2019	2020	2021	
Tap Water	ton	83,913	85,025	96,422	

* Tap Water: Company-wide (HQ, regional HQs and offices)

Greenhouse Gas Emission and Greenhouse Gas Intensity

Classification	Unit	2019	2020	2021
Greenhouse Gas Emission and Greenhouse Gas Intensity	tCO2e	3,616	3,485	3,995
Indirect Greenhouse Gas Emissions	tCO2e	5,713	6,160	6,949
Total	tCO2e	9,329	9,645	10,945
Direct Greenhouse Gas Emission Intensity	tCO2e/ KRW 100 million	0.66	0.59	0.64
Indirect Greenhouse Gas Emission Intensity	tCO2e/ KRW 100 million	1.04	1.04	1.12

* Total: Company-wide (HQ, regional HQs, branches)

* Direct Greenhouse Gas Emission Intensity: Based on sales

* Indirect Greenhouse Gas Emission Intensity: Based on sales

Waste Generation by Type					
Classification	Unit	2019	2020	2021	
General Waste	ton	403	460	470	
Specified Waste	ton	-	_	-	
Total	ton	403	460	470	

* Total: HQ and regional HQs

Employees					
Classification	1	Unit	2019	2020	2021
Total Number	of Employees	Persons	4,402	4,365	4,569
	Executives	Persons	5	5	6
Employment	Permanent Employees	Persons	4,067	3,965	4,178
Туре	Unlimited Contract Workers	Persons	327	386	377
	Temporary Employees	Persons	8	9	8
	Headquarters	Persons	342	366	372
Education Institu	Education Institute	Persons	33	32	74
Region	Research Institute	Persons	58	61	64
	Regional HQ	Persons	470	600	843
	Regional Offices	Persons	3,499	3,306	3,216
Cardan	Female employees	Persons	587	591	651
Gender – Female Manage	Female Managers	Persons	86	97	99
Minorities	Persons with Disabilities	Persons	108	119	117
MINUITIES	Veterans	Persons	150	153	165

* Female Employees: Permanent employees

* Female Managers: Level 4 or above of permanent employees

Ratio of Average Annual Salary to the Highest Annual Salary					
Classification	Unit	2019	2020	2021	
Total Annual Salary of the Highest Salary Recipient (A)	KRW million	138.6	141.1	145.0	
Average Salary Based on Total Employees (B)	KRW million	74.9	76.8	81.9	
Ratio (A/B)	%	148	147	177	

Ratio of Average Annual Salary Increase Rate to the Highest Annual Salary Increase Rate					
Classification	Unit	2019	2020	2021	
Salary Increase Rate of the Highest Salary Recipient (A)	%	2.70	1.20	1.03	
Average Salary Increase Rate (B)	%	1.80	2.70	1.02	
Ratio (A/B)	%	150	44	101	

Social Performance

Retirement Pension System					
Classification	Unit	2019	2020	2021	
Retirement Pension operation Amount(DB)	KRW million	182,685	194,616	198,605	
Retirement Pension operation Amount(DC)	KRW million	30,570	20,510	25,202	
Total Retirement Pension operation Amount	KRW million	213,255	215,126	223,807	
Number of Subscribers (DB)	Persons	4,225	4,362	4,284	
Number of Subscribers (DC)	Persons	288	174	206	
Total Number of Subscribers	Persons	4,513	4,536	4,490	

Wage of New Employees Compared to Minimum Wage (Hourly)					
Classification	Unit	2019	2020	2021	
Statutory minimum wage	KRW	8,350	8,720	8,720	
Wage of New Employees (Male)	KRW	16,023	16,301	17,400	
Wage of New Employees (Male)	KRW	16,023	16,301	17,400	
Ratio (Male)	%	191.8	186.9	199.5	
Ratio (Female)	%	191.8	186.9	199.5	

Number of New Hires and Displaced Workers (Retirees)					
Classification		Unit	2019	2020	2021
Total Number of E	Employees (Permanent)	Persons	4,067	3,965	4,178
Number of New	Male	Persons	263	145	252
Hires(Gender)	Female	Persons	57	34	75
	Under 30	Persons	248	150	276
Number of New Hires(Age)	From 30 to 50	Persons	72	29	48
	Over 50	Persons	1	0	3
Number of New	Non-metropolitan	Persons	212	115	217
Hires(Local Employees)	Transferred region	Persons	58	32	76
Number of New Hires	Total	Persons	320	179	327
Ratio of Newly En	nployed Workers	%	7.9	4.5	7.8
Number of Displa	ced Workers (Retirees)	Persons	16	14	12
Ratio of Displaced	I Workers (Retirees)	%	0.4	0.3	0.2

Use of Parental Leave					
Classification		Unit	2019	2020	2021
	Male	Persons	30	29	55
Parental Leave Users	Female	Persons	53	61	73
000.0	Total	Persons	83	90	128
Return after	After parental leave	Persons	41	44	46
Parental Leave	Employed for 12 months or longer after return from parental leave	Persons	40	42	45

Status of Flexible Work Arrangements					
Classification		Unit	2019	2020	2021
Part-time Work		Persons	18	28	29
Flexible work	Staggered hours	Persons	3,821	3,919	3,998
arrangements	Selective working hours	Persons	2,730	2,550	2,723
Remote Work	Smart work	Persons	6	0	0
Arrangements	Work from home	Persons	6	1,099	536

		S

Classification	Unit	2019	2020	2021
Number of Participants	Persons	12	12	14

Ratio of Work-related Disasters				
Classification	Unit	2019	2020	2021
Injury Incidence Rate	%	0.38	0.29	0.50
Number of Fatalities	Persons	0	1	0

Rate of Employee Performance Evaluation				
Classification	Unit	2019	2020	2021
Total Number of Employees	Persons	4,402	4,365	4,452
Number of Employees Subject to Evaluation	Persons	4,402	4,365	4,452
Ratio of Performance Evaluation	%	100	100	100

Safety and Health Committee

Employee Human Rights Education					
Classification		Unit	2019	2020	2021
Employee Human Rights	Distance education through the Internet	Persons	4,038	4,107	4,138
Education	Group training	Persons	1,032	0	281
Education on Sexual Harassment (4 Types)	Distance education through the Internet	Persons	4,018	4,177	4,364
Education on	Distance education through the Internet	Persons	0	3,500	4,141
Workplace Bullying	Group training	Persons	3,568	3,838	3,804

* Due to efforts to prevent the spread of COVID-19, non-face-to-face education was conducted.

Average Education Hours per Employee				
Classification	Unit	2019	2020	2021
Total Number of Employees (Permanent)	Persons	4,067	3,965	4,178
Total Education Hours	Hour	639,067	504,684	514,956
Education Hours per Person	Hour	157	127	123

	Ratio of Employee Diversity (by Category)				
Classification		Unit	2019	2020	2021
Gender	Male	%	84.8	84.3	83.6
Gender	Female	%	15.2	15.7	16.4
	Under 30	%	18.9	18.1	19.3
Age	From 30 to 50	%	55.0	54.8	52.2
	Over 50	%	26.0	27.1	28.5

Ratio of Basic Salary and Remuneration of Female Workers to Those of Male Workers (by Type of	f Worker)
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Classification		Unit	2019	2020	2021
	Ratio of basic salary of females to that of males	%	100	100	100
Executives	Ratio of total remuneration of females to that of males	%	100	100	100
	Ratio of basic salary of females to that of males	%	91	91	91
Employees	Ratio of total remuneration of females to that of males	%	91	91	91

Amount of Expenditure to Local Suppliers					
Classification		Unit	2019	2020	2021
	Total purchase amount	KRW million	54,231	54,616	54,846
	SMEs	KRW million	50,010	51,139	50,065
	Technology development	KRW million	2,204	2,627	2,733
Amount of Expenditure	Businesses run by females	KRW million	10,345	9,523	9,954
to Local Suppliers	Social enterprises	KRW million	1,439	1,579	1,058
	Persons with severe disabilities	KRW million	472	333	541
	Self-support village for disabled veterans	KRW million	139	365	86

* Total purchase amount: Individual expenses overlapped

* LX partners: companies for joint cadastral resurveys, SMEs involved in spatial information, regional SMEs, social economic enterprises, companies supplying survey equipment and goods, consigned companies, etc.

Social Contribution Expenses					
Classification		Unit	2019	2020	2021
Disbursement	Social contribution operating expenses, etc. (indirect cost)	KRW million	-	-	-
method	Donation, etc. (direct cost)	KRW million	1,004	1,502	2,799
	Cash	KRW million	937	1,434	2,668
Disbursement type	In-kind	KRW million	67	68	131
Total			1,004	1,502	2,799

GRI Standards

Universal Standards

Торіс	Disclosure		Page
	102-1	Name of the organization	6
	102-2	Activities, brands, products, and services	8-11
	102-3	Location of headquarters	6
	102-4	Location of operations	7
	102-5	Ownership and legal form	6
	102-6	Markets served	8-11
Profile	102-7	Scale of the organization	6
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	102-10	Significant changes to the organization and its supply chain	_
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	102-12	External initiatives	87
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C 1 1	102-14	Statement from senior decision-maker	4-5
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	102-49	Changes in reporting	-
Reporting	102-50	Reporting period	2
Practice	102-51	Date of most recent report	2
	102-52	Reporting cycle	2
	102-53	Contact point for questions regarding the report	2
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Management Approach	103-2	The management approach and its components	38-39, 40-43.
	103-3	Evaluation of the management approach	50-52, 53-55, 64-67

GRI Standards

Topic-specific Standards

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GRI 203 : Indirect Economic Effect	203-1	Infrastructure investments and services supported	56-59
GRI 204 : Procurement Practices	204-1	Proportion of spending on local suppliers	79
GRI 205 : Anti-Corruption	205-2	Communication and training related to anti-corruption policies and procedures	67
	302-1	Energy consumption within the organization	74
GRI 302 : Energy	302-3	Energy intensity	74
GRI 303 : Water and Effluents	303-3	Water withdrawal	74
	305-1	Direct (Scope 1) GHG emissions	74
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	305-4	GHG emissions intensity	74
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	401-1	New employee hires and employee turnover	75
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	403-1	Occupational health and safety management system	32-37
	403-2	Hazard identification, risk assessment, and incident investigation	32-37
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GRI 403 :	403-4	Worker participation, consultation, and communication on occupational health and safety	32-37
Occupational Safety and Health	403-5	Worker training on occupational health and safety	32-37
	403-6	Promotion of worker health	32-37
	403-9	Work-related injuries	77
	403-10	Work-related ill health	77

GRI 404 : Training and Education	404-1	Average hours
	404-2	Programs for up
	404-3	Percentage of e
GRI 405 : Diversity and Equal Opportunity	405-1	Diversity of gov
	405-2	Ratio of basic s
GRI 412 : Human Rights Assessment	412-1	Operations that
	412-2	Employee traini
GRI 413 : Local Communities	413-1	Operations with grams

s of training per year per employee	78
upgrading employee skills and transition assistance programs	51
employees receiving regular performance and career development reviews	77
overnance bodies and employees	78
salary and remuneration of women to men	78
at have been subject to human rights reviews or impact assessments	40-43
ning on human rights policies or procedures	78
th local community engagement, impact assessments, and development pro-	59

To the management of LX

We have undertaken a limited assurance engagement in respect of the selected sustainability information (the 'Identified Sustainability Information') in the LX's Sustainability Report for the year ended 31 December 2021 ('the Sustainability Report') listed below.

Identified Sustainability Information

The Identified Sustainability Information included in the LX's Sustainability Report for the year ended 31 December 2021 is summarized below: · Global Reporting Initiative (GRI) Standards Index, on pages 80-83

- · Company Overview, on pages 04–19
- · Leading Carbon Neutrality 2050, on pages 20-29

· Implementing Social Values with National Land Information, Fair Transparent Management Together with the People, on pages 30-69

· Appendix, on pages 70–79

Our assurance was with respect to the year ended 31 December 2021 information only and we have not performed any procedures with respect to earlier periods or any other elements included in the Sustainability Report and, therefore, do not express any conclusion thereon.

Criteria

The criteria used by LX to prepare the Identified Sustainability Information on 'GRI Standards with Core Option'

LX's Responsibility for the Identified Sustainability Information

LX is responsible for the preparation of the Identified Sustainability Information in accordance with the Criteria. This responsibility includes the design, implementation and maintenance of internal control relevant to the preparation of Identified Sustainability Information that is free from material misstatement, whether due to fraud or error.

Inherent Limitations

The absence of a significant body of established practice on which to draw to evaluate and measure non-financial information allows for different, but acceptable, measures and measurement techniques and can affect comparability

Our Independence and Quality Control

We have complied with the ethical requirements of the Republic of Korea, which is founded on fundamental principles of integrity, objectivity, professional competence and due care, confidentiality and professional behavior. Our firm applies International Standard on Quality Control 1 and accordingly maintains a comprehensive system of guality control including documented policies and procedures regarding compliance with ethical requirements, professional standards and applicable legal and regulatory requirements.

Our Responsibility

Our responsibility is to express a limited assurance conclusion on the Identified Sustainability Information based on the procedures we have performed and the evidence we have obtained. We conducted our limited assurance engagement in accordance with International Standard on Assurance Engagements 3000 (Revised), Assurance Engagements other than Audits or Reviews of Historical Financial Information issued by the International Auditing and Assurance Standards Board. These standards require that we plan and perform this engagement to obtain limited assurance about whether the Identified Sustainability Information is free from material misstatement.

A limited assurance engagement involves assessing the suitability in the circumstances of LX's use of the Criteria as the basis for the preparation of the Identified Sustainability Information, assessing the risks of material misstatement of the Identified Sustainability Information whether due to fraud or error, responding to the assessed risks as necessary in the circumstances, and evaluating the overall presentation of the Identified Sustainability Information. A limited assurance engagement is substantially less in scope than a reasonable assurance engagement in relation to both the risk assessment procedures, including an understanding of internal control, and the procedures performed in response to the assessed risks.

Given the circumstances of the engagement, in performing the procedures listed above we: · Interview with the personnel responsible for internal reporting and data collection regarding LX's Identified Sustainability Information to understand their approaches to managing material issues

- office and JeonJu head office
- assessment, engagement activities of the stakeholders and others · Perform inquiries and analytical reviews on the Identified Sustainability Information

The procedures performed in a limited assurance engagement vary in nature and timing from, and are less in extent than for, a reasonable assurance engagement. Consequently, the level of assurance obtained in a limited assurance engagement is substantially lower than the assurance that would have been obtained had we performed a reasonable assurance engagement. Accordingly, we do not express a reasonable assurance opinion about whether LX's identified Sustainability Information has been prepared, in all material respects, in accordance with the Criteria.

Limited Assurance Conclusion

Based on the procedures we have performed and the evidence we have obtained, nothing has come to our attention that causes us to believe that LX's Identified Sustainability Information the year ended December 31, 2021 is not prepared, in all material respects, in accordance with the Criteria.

Restricted Use

This Report is prepared solely for the management of LX to assist in obtaining understanding of LX's sustainable management performance and activities. Accordingly, we accept no liability or responsibility to any third party, other than LX and its management, who gains access to this report.

· Understand the systems and processes in place for managing and reporting the Identified Sustainability Information of each regional

· Review documents relevant to output from the risk assessment process, sustainability-related policies and standards, materiality

WITH Accounting Corporation Seoul, Korea



YoungSuk Lee, Chief Executive Officer July 15, 2022

UN Global Compact

Торіс	Principle	Page	
Strategy,	The COP describes mainstreaming into corporate functions and business units.		
governance, and engagement	The COP describes value chain implementation.	6-11	
	The COP describes robust commitments, strategies or policies in the area of human rights.		
Human Rights	The COP describes effective management systems to integrate the human rights principles.	40-43	
	The COP describes effective monitoring and evaluation mechanisms of human rights integration.		
	The COP describes robust commitments, strategies or policies in the area of labor		
Labor	The COP describes effective management systems to integrate the labor principles		
	The COP describes effective monitoring and evaluation mechanisms of labor principles integration.		
	The COP describes robust commitments, strategies or policies in the area of environmental stewardship.	22-29	
Environment	The COP describes effective management systems to integrate the environmental principles.		
	The COP describes effective monitoring and evaluation mechanisms for environmental stewardship.		
Anti-corruption	The COP describes robust commitments, strategies or policies in the area of anti-corruption.		
	The COP describes effective management systems to integrate the anti-corruption principle.		
	The COP describes effective management systems to integrate the anti-corruption		
UN SDGs and issues	The COP describes core business contributions to UN goals and issues.	14-15	
	The COP describes strategic social investments and philanthropy.		
	The COP describes advocacy and public policy engagement.		
	The COP describes partnerships and collective action.	-	
Governance	The COP describes CEO commitment and leadership.	4-5	
	The COP describes Board adoption and oversight.	62-63	
	The COP describes stakeholder engagement.	16-17	

Awards	
Win-wir	n Growth Awards
Korea S	MEs Innovation Awards
Minister	rial Commendation
Appreci	ation Plaque for Contribution to Job Creation fo
App of t	the Year, Web Award Korea 2020
11 th Bes	st of CHAMP Day Best Responsible Operator Ca
2020 Ka	prea Communication Awards
	ganization in 2020 National Human Resources (Performance Evaluation
12 th Bes	st of CHAMP Day Best Joint-training Center Cat
2021 Ka	prea Communication Awards (Special Award)
Exceller	nce in Promotion of the Provision and Use of Pu
「2020 F	Public Institution Wing-win Growth Evaluation
^r 2021 k Partner	Korea SMEs Innovation Awards」 Presidential Pri ship
「2021 S	Sustainable Management Merit Government Awa
^r 2021 k Partner	Korea Win-win Growth Awards」 Presidential Priz ship
	ation Plaque for contribution to Regional Leadir
Арргесі	

Korea Quality Management Association	Korean Association for Po Administration
Korea Disaster Prevention Association	Smart City Association
Korea Audit Association	Korean Association for Po Organization Auditing

Awards

Awarded
Korea Commission for Corporate Partnership
Korea Commission for Corporate Partnership
Ministry of Science and ICT
Korea Labor Force Development Institute for the Aged
Digital Chosun Ilbo
Minister of Employment and Labor
Korea Business Communications Association
Hunan Resources Development Service of Korea
Minister of Employment and Labor
National Assembly of ROK Science, ICT, Broadcasting and Communications Committee
Ministry of the Interior and Safety
Ministry of SMEs and Startups
Korea Commission for Corporate Partnership
Minister of Trade, Industry and Energy
Korea Commission for Corporate Partnership
Jeonbuk National University
National Sustainable Development Council

Associations and Groups

Public	International Federation of Surveyors	UN Global Compact
ion	Intelligent Transport Society of Korea	UN-Global Geospatial Information Management Association (UN-GGIM)
Public ng	Telecommunications Technology Association	Open Geospatial Consortium