

We complete digital Korea
with smart lands.

From sky and land to mountains and seas, roads and buildings and underground space, LX collects and integrates Korea's land information and thus devotes itself to digitalizing the entire country. LX designs the future of new Korea with safe and convenient lands for everyone.

Move toward the
value of the Infinity

10 x Written

New writing of the foundation of the country

From cadastral survey to resurvey, LX builds every land data in a firm and detailed manner for the protection of people's property rights and efficient use of lands in Korea.

From the beginning to the end of cadastral survey

LX is exerting every effort to correct errors degrading the accuracy of cadastral records and correct location and area size information in order to improve the accuracy and quality of land data. Moreover, for efficient management of the land and protection of people's property rights, LX provides accurate cadastral survey services. Moving forward, LX will comprehensively investigate land data to improve its value of use and expand the land use status survey project to support efficient administration. Besides, LX is providing the Land-i app which is a land information consulting platform based on artificial intelligence (AI) and augmented reality (AR), thus enabling people to check and receive the cadastral survey service on their smartphone in real time.

Cadastral
Survey

To make our land valuable and correct

Since 2012, LX has been conducting cadastral resurveys with an aim to correct issues of real boundaries differing from those on the paper maps. To improve and fix the issues of paper maps, accurate land investigations and surveys are carried out through the resurvey project to convert them into digital maps, thus protecting the property rights of people and enabling efficient use of lands with an aim to enhance the values of land in Korea. As an organization in charge of cadastral resurvey, LX has been making efforts to allow private sectors to participate in cadastral resurveys and improve their capacity by providing self-developed software free of charge, vocational trainings, and installing and operating administrative support teams for problem solving, etc. The most popular example is the case of cadastral resurvey using drones to resolve the 70 year long disputes in 700 days regarding the ownership of unclaimed lands within the punch bowl area of Yanggu-guen.

Cadastral
Resurvey

10 x Brighten

Brighten up the future of national land



In the major digital transition era leading with digital twin and smart city, LX has been establishing a revolutionized land data platform with advanced technologies, thus enhancing the future values of national land.

Taking a step toward becoming an organization specialized in platforms

Spatial
Information

LX is evolving as a specialized data platform organization. It is proposing and building the support system for the establishment of digital twin, metaverse, and ecology which are the key tasks of the digital platform government. Together with the pilot project of digital twin for national land which is sponsored by the Korean government, LX is busy creating futuristic land, city, and space that contributes to the safety and benefits of people in Korea.

Selected as a specialized organization for supporting digital twin land platform

Digital twin is a technology used to create identical virtual models of (under and above ground spaces, surfaces, buildings and various facilities) in reality inside the 3-D digital space and enables simulation based prediction and analysis. LX as a specialized organization of digital twin national land platform has been utilizing digital twin based LX platform to expand various projects including digital twin pilot projects, standard model expansion projects and regionally customized projects.



Standard quality management of national spatial data

In order to promote linkage of spatial data and promote industrial development, LX has introduced ISO as Korean standards(KS) and thus completing 86 cases as of now. To acquire interoperability of digital twins, it has been executing unique national standard development works and supporting activities, and preparing data sharing systems and implementing digital twin platforms.

Selected as a consigned organization for address data utilization and support

LX Address Data Utilization Support Center maintains the address data base map, establishes address based routes and various object addresses, and provides location based services to ensure safe movements of drones, autonomous driving robots and vehicles and ultimately contribute towards safer and more convenient daily lives of the people in Korea. In addition, it has been merging address data with advanced technologies to create new businesses, and supporting the expansion of Korea's address system into overseas markets.

Leap toward becoming an organization specialized in underground information

As a consigned organization of underground data integration system, LX has been manufacturing 3-D underground space integrated maps based on 16 types of underground data to improve the safety management of national land and support underground space development. It has also been supporting the accuracy improvement of management organization for the accurate implementation of underground data. LX is exerting efforts in solidifying its reputation as a specialized organization in underground information, and improving the safety of people in Korea.

Digital road data construction support

LX is committed to digitalizing the road register/map data that had been separately implemented by various entities in the past and providing it through an integrated platform. It is providing public and private sectors with constantly changing road data as well as basic road data such as road shapes, width, lanes and so on. The organization is also providing such data to various industries such as autonomous driving, navigation, parcel delivery, logistic and so on, thus promoting the safety of mobility and creation of new jobs.

Provision of advanced air mobility services

LX is leading the new driving force of national economy, the drone industry with urban air mobility (UAM), thus supporting mobility innovation. As an organization for the most excellent drone utilization, selected by the ministry of land, infrastructure and transport, it is providing various public services. In addition, it is providing various educational programs to promote professional manpower, and implementing drone delivery point project to support the private drone delivery market by establishing sky road maps for safe city air transportation.

Establishment of cloud based data center

'LX Data Maru' is the data center of LX that comprehensively manages all cadastral and spatial data and resources of LX. Through the operation of control center, it is enabling data system monitoring that can respond to detecting fault data and data breaches. LX data maru is making the best efforts to safely protect important data resources, enable stable data system operation, and provide IT services.

LX x LX. Infinite future of LX

LX x LX

As a specialized data platform organization, LX acts as a strong support in completing the digital platform government. It establishes standard digital twin models and expands them to national land data service that can improve the benefits of people in Korea, thus making a great leap toward becoming a specialized organization for national land data platform, leading the smart society.

Contribute to the national development by supporting the establishment of national-spatial data systems and conducting R&D for spatial data and cadastral systems and cadastral surveys.

MISSION

AND

VISION

National land information
platform leading the
smart society

CORE VALUES

Future
InnovationTrust
ResponsibilityCommunication
Unification

Listening to the story of national land



As an R&D oriented organization that opens the door to the future of spatial information technology communicating and exchanging with the world, LX is busy completing high level K-spatial data technology through education in national land information, training talented individuals, and research in spatial information and so on.

Exporting Korean land and spatial information technology

Overseas Project

With technical experiences in the field of cadastral and spatial information, LX has been undertaking overseas projects of land informatization which are customized to corresponding developing countries. Not only introducing basic land information system, transferring advanced survey technology, digitalizing land information, and providing land related capacity building programs, but also expanding into various spatial information projects such as establishing digital twin based platforms merged with AICBM technology and so on. Starting with Azerbaijan and Laos in 2006, the organization has been expanding its project areas to Asia, Africa, and Latin America conducting over 70 overseas projects in 38 different countries up until 2022.

Since 2013, LX has been hosting overseas geospatial information roadshows to pursue joint overseas projects between public and private sectors, thus supporting private sectors to advance into overseas markets. In addition, LX has been discussing main agendas of international spatial information and publishing research articles at FIG(International Federation of Surveyors) and at UN Global Geospatial Information Management for Asia and the Pacific(UN_GGIM-AP), and thus building and expanding its global capabilities and networks.

LX's main global networks

| Southeast Asia | Bangladesh, Indonesia, Laos, Myanmar, Vietnam, Cambodia, Sri Lanka, Mongolia

| Central Asia | Russia-Sakhalin, Kyrgyzstan, Azerbaijan, Uzbekistan, Kazakhstan, Turkmenistan, Saudi Arabia, Armenia, Tajikistan

| Latin America | Uruguay, Chile, Jamaica, Argentina, Colombia, Paraguay

| Africa | Tanzania, Ethiopia, Rwanda, Tunisia, Egypt, Nigeria, Morocco, Mozambique, Burkina Faso, etc.



The cradle for cultivating talented individuals in spatial information

Education & Research

Korea's only one national land information training center, Geospatial Education Center

LX Geospatial Education Center is the only one educational organization in Korea that leads the R&D and training in the fields of spatial information and cadastral systems. It has systematically accumulated key datas including the history and records of cadastral survey, spatial information and so on. With the demand-oriented training system, it is being reborn as the cradle of cyber digital manpower and also as a hub of national land information development for Korea.

Spatial Information Academy, training customized individuals for the spatial information industry

LX spatial Information Academy is an excellent organization known and selected for the best digital training center for the last 5 years. As the autonomous joint training center for national human resource development consortium, it provides vocational training to train customized manpower for spatial information industry. It operates training programs for new and prospective college graduates, and customized employee training for contracted companies, implementing a mutual growth education ecology with an aim to provide HR solutions that can become the basis for the development of spatial information industry.

Spatial Information Research Institute, a think platform to leverage the future values of spatial information

LX spatial information research institute is a specialized R&D organization with 30 years of experiences in the field of spatial information policy and technology. It has established the AI and big data center to play the role as outpost in this digital era to support decision making based on data for solving city and social problems that arise within land space. As a specialized data platform research organization, it is leading the efforts to share collective knowledge among different groups including communities, universities, and private companies.

Soft power growing its roots to national land



Safety and consideration, ethic and responsibility, fairness and sharing. LX's every value is toward humans and the world. LX always listens and makes endless efforts to maintain the balance between work and life, and create a world where everyone can grow together and respect national diversities.

Safe management, putting the people first

Safe Management

For the last 10 years, LX has maintained disaster free operations thus gearing up toward safe management at work sites. It has promoted the safety management department to fall directly under the vice president, and enhanced the roles and rights of managers and supervisors of 167 branches and 13 regional HQs in nationwide. Also, it has assigned autonomy rights to enable speedy handling of issues at every potential working sites. In addition, it has been implementing an On-site safety system with participations supported by employees, and have improved various healing education and psychological consulting for employees who deal with customers. LX is providing comprehensive consulting for partner companies to ensure safe work environment, and greatly expanding the scope of safety and health measures, and training for employees within the business premise. By expanding health medical examination, post management, and EAP program and so on, it is also contributing to the improvement of actual welfare for employees at partner companies.

Ethical management with fairness and common sense for greater people's trust

Ethical Management

In order to spread a clean and healthy organizational culture, LX has been developing and distributing educational contents in the field of integrity, as well as providing customized training for managers and integrity consulting. Through such activities, LX gathered opinions from its partners, and contracted companies regarding how to improve unreasonable systems and provide customized educational contents on integrity for employees and managers, thus leading the efforts for eliminating wrong traditions and corruptions.

As a result, in the last year's comprehensive integrity evaluation conducted by the national rights commissions, there was not a single case of corruption, allowing LX to obtain the all-time highest score of 92.2 points, with grade level of 2. In addition, LX has been hosting human rights committee meetings to promote the human rights of employees and related parties, thus periodically sharing and improving human rights issues. The organization plans to advance and develop human rights strategies further and make a leap toward becoming a global leader of human rights management.

LX ESG, connecting human and space

ESG Management

Achieving ESG through national land information

Under the motto of, "open the future and warm the society with land information," LX has been resolving various problems related to city and environment based on national land information which is the unique and traditional duty of LX. In addition, LX is providing national land information services to with the aim to realize sustainable future and fulfill social responsibilities.

Leading carbon neutrality 2050

For nationwide environmental policy enforcement, LX is committed to establishing comprehensive environment management plans and executing carbon neutrality roadmaps, thus accelerating the transition into low carbon management infrastructure. It will achieve green innovations in the area of national land information and pursue eco friendly activities through cooperation and participations, thus contributing to the spreading of environment protection awareness.

Mutual growth through cooperation

LX is exerting great efforts in creating jobs for the private sector, and strives for mutual prosperity with small to medium sized companies by carrying out activities in various fields including tech development funds aid, commercialization funds, education consulting, market exploration and so on. It will continue to lead and act as a frontier to create the culture of mutual growth so that small and medium sized companies can co-exist and grow together.

Social contributions to make sure no one is neglected

LX has been fulfilling and carrying out its social responsibilities through its brand called 'Nuri', where social duties are managed and divided into the categories of 'Happy LX', 'Knowledge LX', 'Together LX', and 'Emotional LX'.

As a public agency, LX will continue to work hard to fulfill its role including the support for underprivileged and global CSR activities.

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