ALL for LAND

www.all4land.com

ALLFORLAND

A smart service that collaboratively fulfills customers' dreams by leveraging ICT and spatial information

CONNECTING SHARING & SHOWING

Being Contributor for Human Happiness Enhancing Justice and Transparency With Spatial Information Technology

CEO's Message

Leading the public service improvements based on creative mind and continuous technology innovation.

Since 2004, AllforLand has been achieving tremendous performances and creating explosive synergy through accumulated technologies on building GIS data and on developing GIS software & platform, to cover land and ocean both.
By these accumulated technologies AllforLand has been attributing to improve public administration services and transformed to the provider of General Spatial ICT service.

In particular, not staying only in the traditional GIS market, we are widening our competency to the state-of-art technologies such as Big Data Analysis, Cloud Service, Autonomous, Vehicle Map, 3D Map, Digital Twin Metaverse, etc. We have been focusing to improve the efficiency on the public fields - ocean, land, cadastral, construction, disaster, etc. On the other hand, we are cultivating the ability to manage large scale SI projects with verified quality assurance.

AllforLand is going to make "Alliance for Geospatial Information Service" from building spatial information to providing geospatial service based on the information, accelerating cooperation between the alliance members.

We promise to provide advanced better services at various areas through the alliance. Your attention makes us work and grow.
AllforLand will do our best to create the best value for you.

CEO **Kim, Byoung Ki**

RESOURCES

AllforLand possesses excellent human resources, high-performance equipment, and validated technical capabilities to realize our customers' dreams together.

HUMAN RESOURCES

System Development 173

Database Construction 169

Research & Development 28

Management, Planning, Sales 33

HARDWARE & SOFTWARE

MapPrime 3D BIM/GIS
3D-based Building Indoor/Outdoor Spatial Information Service Solution

Reverse Engineering

Ground LiDAR	Backpack LiDAR
	
· RTC360	· Leica Pegasus TRK

DRONE | Trimble UX5 HP


- Production of 1cm resolution orthoimages (equipped with 36-megapixel full-frame camera)
- Obtained approval from the Federal Aviation Administration (FAA)

DRONE | FireFly6 Pro

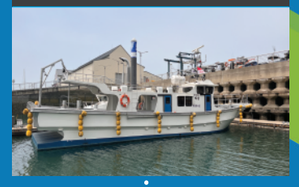

- Public surveying drone system
- Vertical takeoff and landing (VTOL)

MapPrime CLOUD
Cloud-based Spatial Information Creation,Sharing, and Distribution Service Platform

MapPrime 2D GIS
OGC International Standard Servers, Clients, and Tile Map Tools

DRONE | INSPIRE2


- Maximum 20-megapixel photo capture

OCEANOGRAPHIC RESEA RCH SHIP | The Ha-kyung


MapPrime OCEAN
Marine 2D/3D Spatial Information Service Solution

RAILWAY MMS | Leica Pegasus 2 Ultimate


- [Camera] 360 panorama 24-megapixel, omnidirectional 6-megapixel *4
- [LiDAR] 1 million points per second

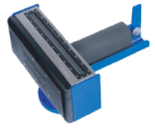
MapPrime METRIC 360°
3D Indoor/Outdoor Spatial Information Management Service using 360 Panoramic Images

MapPrime PROJECT for MMS
High-Precision MMS Construction Management and Operation Solution

MMS | Leica Pegasus 2 Ultimate


- [Camera] 360 panorama 24-megapixel, omnidirectional 6-megapixel *4
- [LiDAR] 1 million points per second

SURVEYING & EXPLORATION EQUIPMENT

		
· Subsurface exploration	· Submarine imagery survey	· Bathymetric survey

MARINE OBSERVATION EQUIPMENT

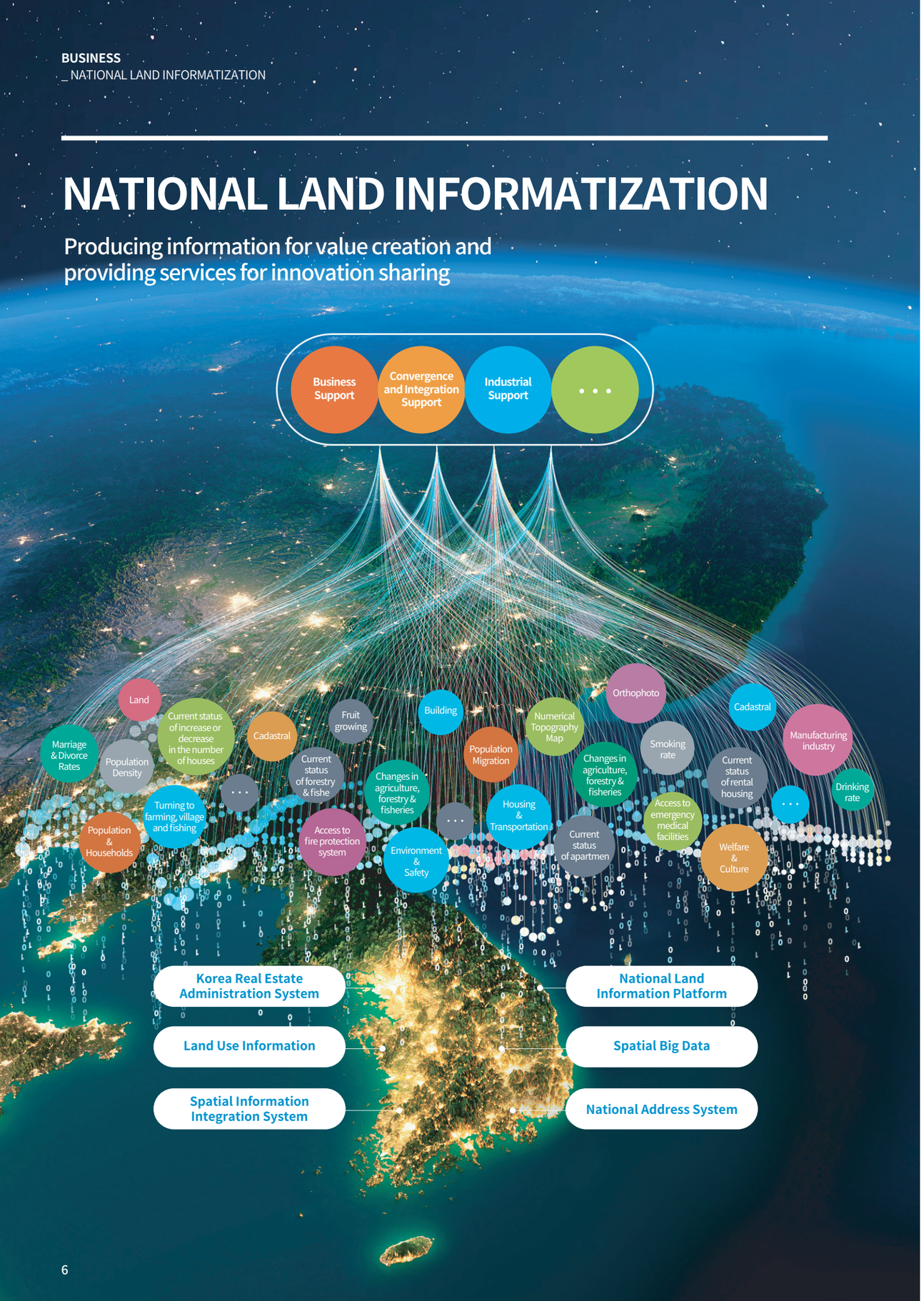
		
· Tidal observation	· Wave and current observation	· Tide and ocean current observation

SURVEYING & EXPLORATION EQUIPMENT

- Public surveying, general surveying, subsurface surveying

NATIONAL LAND INFORMATIZATION

Producing information for value creation and providing services for innovation sharing



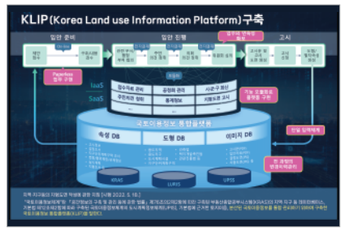
AllforLand offers an efficient business support system and various civil services nationwide, leveraging spatial information such as land, buildings, and orthophotos.

K-Geo Platform

K-GEO is the integrated data share platform, collecting all the national spatial data and serving as data hub for sharing them It provides not only easy access to the collected spatial data but also, provides Play Ground service merging the user's own data into the spatial data on the platform to make better services according to the user's own purpose

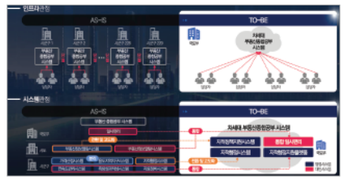
Korea Land use Information Platform (KLIP)

KLIP is unified entry system required for government work related to land use planning and land use control under current national land use information system.
It leads the paradigm changes on urban planning and land use

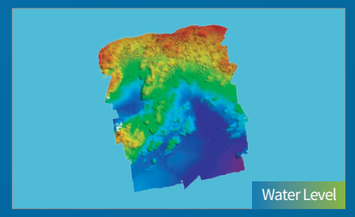


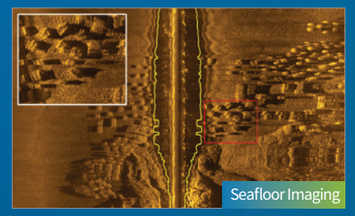
Korea Real Estate Administration Intelligence System

Individual property registry systems by local governments are integrated into one system under cloud environment for efficient formulation of national policy on property
It establishes the working system based on land registration book and the utilizing system of the integrated property data



OCEAN & OCEAN SURVEY



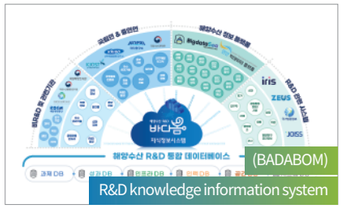


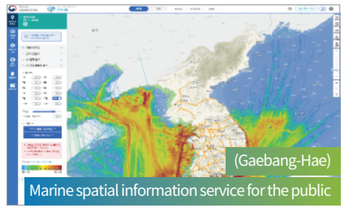
With the aim of enhancing the convenience and usability of marine spatial information, AllforLand offers the public essential marine information for daily life and provides public services supporting marine safety and fisheries policies.

Marine Geospatial Information Service

- Marine Information Utilization System Improvement
- Marine Information System for Supporting Maritime Activities
- Ocean Road View Service Expansion and Advancement
- Information System of Uninhabited Islands
- Big Data Platform and Center Establishment in the Coastal Sector
- Collaborative Utilization System for Ocean and Fisheries R&D Information
- Overseas Marine Survey Data Provision System, Chirbon, Indonesia

To ensure easy and convenient access to marine spatial information, we offer a public marine spatial information portal service that gathers and provides information essential for marine activities such as safety, fisheries, recreation, and tourism.

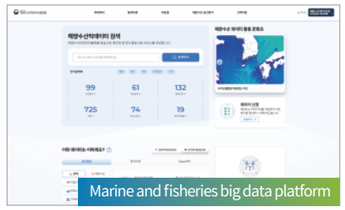


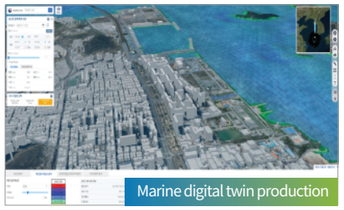


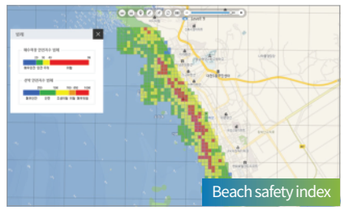
Decision-Making based on Marine Geospatial Information

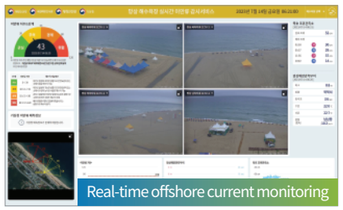
- Marine Safety Information and Marine Digital Twin Production
- Coastal Disaster Vulnerability Assessment
- Multipurpose Depth Data Management System
- Next-gen Electronic Navigational Chart Production and Service System
- Marine Spatial Planning System
- Marine & Fishery Information Sharing System

We collect marine spatial information such as analysis of marine and fisheries information, support for marine spatial planning tasks, uninhabited island information systems, and offshore current monitoring systems to provide necessary information for decision-making.









ADMINISTRATION

Consumer-centric services
Trust based high-tech administrative system

Through the national address service developed and operated by AllforLand, accurate location guidance and address search services used by citizens nationwide are provided. Also, we facilitate the digital transformation of the food industry by enabling easy utilization of information and services for food companies and bridging the gap between the forward and backward food industries.

National Address System Operation

- National Address Information System
- National Address Basic Map

National address system:
Supporting local governments and providing road name address guidance services 24 hours a day, 365 days a year for the past 7 years.

Digital Food Info Platform Construction & Operation

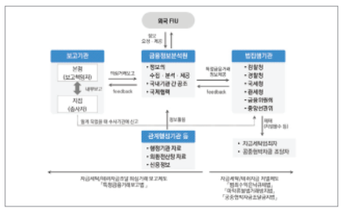
- Digital Food Information Platform
- Food Industry Public Innovation Platform (FOOD LINK)

Establishing platforms to support the digital transformation of the food industry :
The “Digital Food Information Platform” supports a one-stop system, making it easy to utilize and the “Food Industry Public Innovation Platform” fosters the creation of private businesses by offering innovative services essential for connecting the forward and backward of the food industry.

Financial Information Analysis System Establishment & Operation

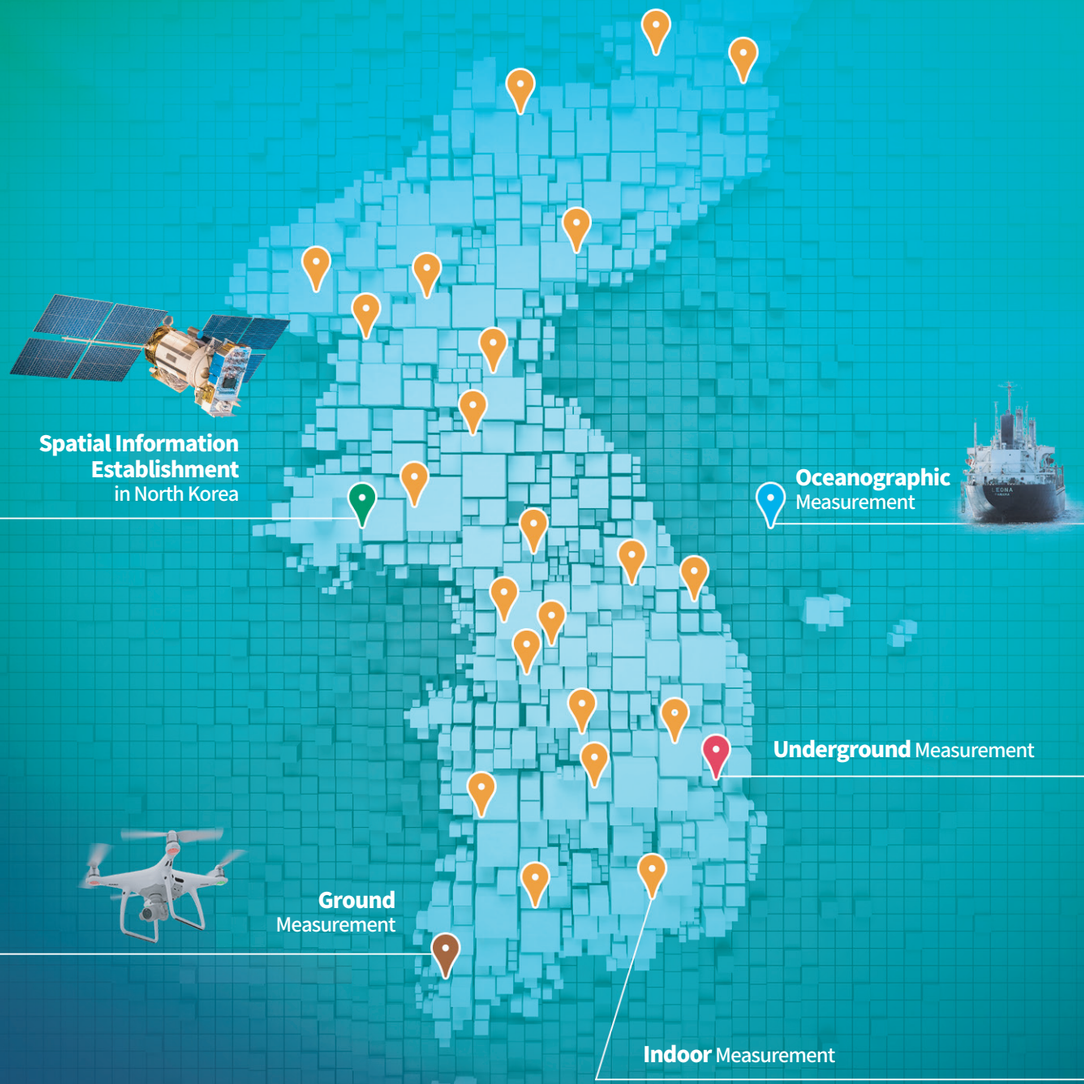
- Financial Intelligence Unit (FIU) Information System Operation & Maintenance

To prevent illegal financial transactions such as money laundering and terrorist financing, we establish a network of over 5,000 financial companies and systems, supporting the analysis of over 800,000 financial transactions annually.



FIELD SURVEY & DB CONSTRUCTION

High-quality spatial information
Guaranteeing accuracy, consistency and up-to-dateness



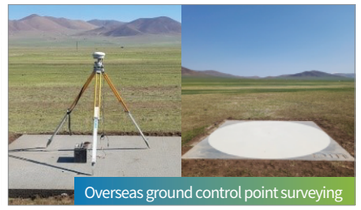
AllforLand enables a range of convergence services synchronized with the real world by constructing high-precision survey data on terrain and features, along with various spatial-based data.

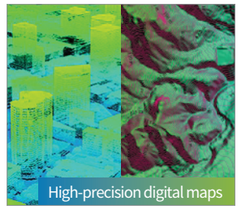
Survey

Building high-precision survey data for all geographic features with the goal of synchronizing reality based on smart survey technology in the great digital transformation era such as hyper-connectivity and digital twin.

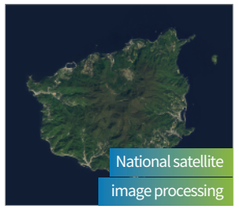
- Building High-precision Digital Maps
- Construction of National Basic Map
- Aerial Photography
- Orthoimage Production
- National Control Point Survey
- Establishment of Overseas Precise Standard Data
- National Satellite Image Processing


Domestic ground control point survey


Overseas ground control point surveying


High-precision digital maps

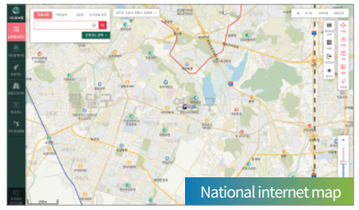

Orthoimage production


National satellite image processing

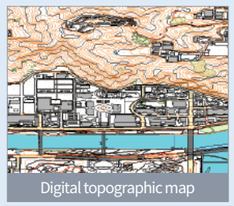
GIS Database Construction

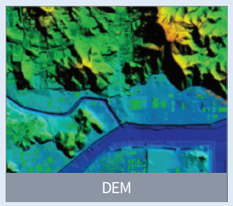
Offering a variety of convergence services based on high-quality spatial information to support the construction of a national digital twin and data-driven national land monitoring.

- Building a National Internet Map
- Construction of National Point of Interest Information
- Establishment of Spatial Information in North Korea
- Building a Braille Map


National internet map

National POI information


Digital topographic map


DEM


Orthoimage

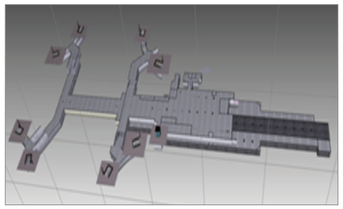
Spatial information in North Korea

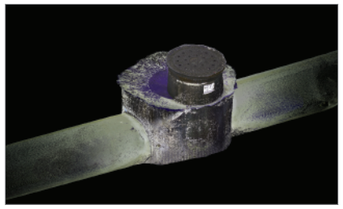
Using the latest surveying technology, AllforLand constructs an accurate database of underground facilities and establish a framework for systematic management to prepare for and respond to safety incidents.

Underground Space 3D Survey

Compiling 3D geospatial information about underground facilities, structures, and ground to facilitate the development, utilization, and management of underground spaces, including measures to prevent ground subsidence.

- Integrated Underground Space Maps
- Sewage Facility LiDAR Survey Project

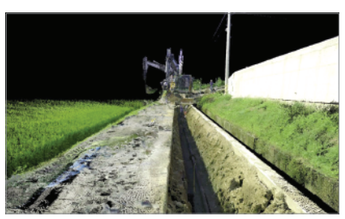


Road and Underground Facility Surveying & Construction

To facilitate the restoration of damaged infrastructure and create a GIS database for disaster response, we survey the locations of roads, water, and sewage pipe-lines to digitize and systematically manage accurate facility information.

- Integrated Underground Space Maps
- Sewage Facility LiDAR Survey Project






Applying the latest marine surveying and observation technologies, AllforLand acquires and analyzes marine spatial information to manage the utilization, development, and conservation activities of marine spaces rationally and sustainably.

Marine Surveying & DB establishment

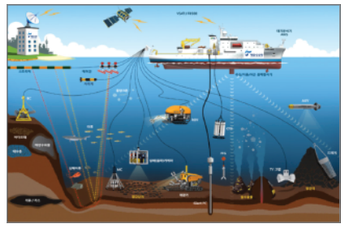
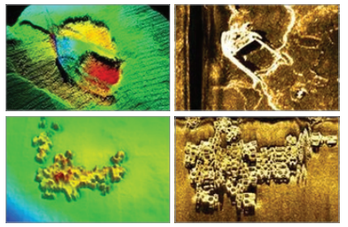
- Coastal Seabed Operational Environment Survey
- National Marine Basic Survey / Close Survey of Coastal Waters
- Coastline Change Survey
- Beach Use Environment Survey
- Underwater Pipeline Terrain Displacement Measurement / Submarine Cable Measurement
- Hydrographic Surveying and Other Maritime Measurements
- Survey of Suitable Sea Forest Sites / Survey on Artificial Reef Installation Status

- Long-term Tide and Current Observations and Data Analysis
- Basic Level Points Survey
- Comparison and Verification of Seawater Flow Observation Data
- Close Investigation of Coastal Erosion
- Saemangeum Offshore Area Civil Engineering Survey
- Development of AI-based Issue-solving Data Analysis Model

- Production of East, West, and South Coast Charts
- Production of Marine Safety Information and Marine Safety Maps
- Survey of Unmanned Islands (Production of Basic Map)
- Establishment of Marine Spatial Planning System (Production of Spatial Plan)
- Tidal Flat Area Survey
- Creation of Submarine Geological Maps

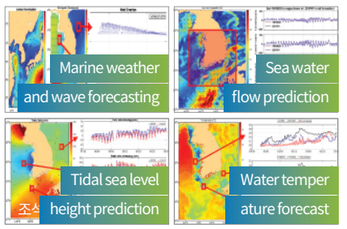
Precision Marine Surveying and Exploration

Data from various surveys, including bathymetric, multi-beam, seafloor imaging, seafloor stratum exploration, marine, and artificial reef, ensures safe navigation, aids port construction, supports military operations, and drives marine development.

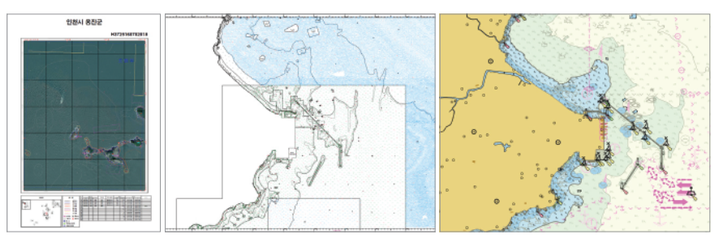
Marine Observation and Numerical Modeling

By obtaining observational data such as tides, currents, and waves, we provide essential information for marine forecasts and design, discerning and analyzing sea area characteristics.

Construction of Marine Spatial Information

As social, economic, environmental, and political interest in the ocean grows, we generate various thematic maps to meet user needs and endeavor to integrate, utilize, and expand diverse resources.



DIGITAL TWIN

Building a digital twin based on connection and communication between virtual and real world

To solve urban problems and support smart cities using ICT technology, AllforLand is building a “Digital Twin”, an innovative spatial information convergence and sharing platform that connects the real world and the virtual world.

Real-world Data Collection & Construction

- Advancement of 3D Spatial Information of Virtual Seoul
- Establishment of Digital Twin for Cultural Heritage Management of Jangneung Royal Tomb, Gimpo
- Establishment of Digital Twin-based Intelligent River Management System
- Digital Twin Administrative Utilization System, Yongin
- Building a Digital Twin Platform, Gyeongju/Sokcho/Uiryeong/Hongcheon
- Establishment of Digital Twin, Deokjin
- Construction of Urban Air Mobility (UAM) Spatial Information

- Construction of 3D Indoor and Outdoor Model Data to Build a Fire Safety City

- Establishment of Integrated Database of Original National Heritage Records

3D Building Modeling

By constructing a high-quality, optimized GIS database using digital twin data construction technology, it serves as fundamental data for a 3D-based digital twin environment that can be utilized on various platforms.


(distant view) Manual production

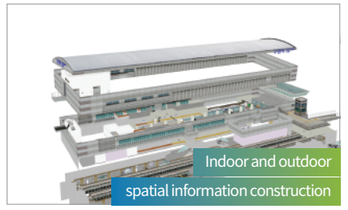

(distant view) Automatic production


(close-range view) Manual production


(close-range view) Automatic production

Indoor and Outdoor Space Modeling

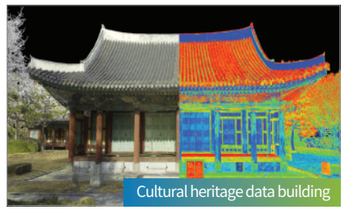
Through the construction of indoor and outdoor space models, we establish a GIS database that guarantees the currency of indoor model data, utilizing it as foundational data for digital twins in disaster and safety domains.


Indoor and outdoor
spatial information construction


Indoor fire safety
facility modeling

Cultural Heritage Modeling

National knowledge and information resources of preservation and use value are accurately recorded using 3D digital technology, establishing a foundation for the digital transformation of national heritage, including digital content services and open public data.

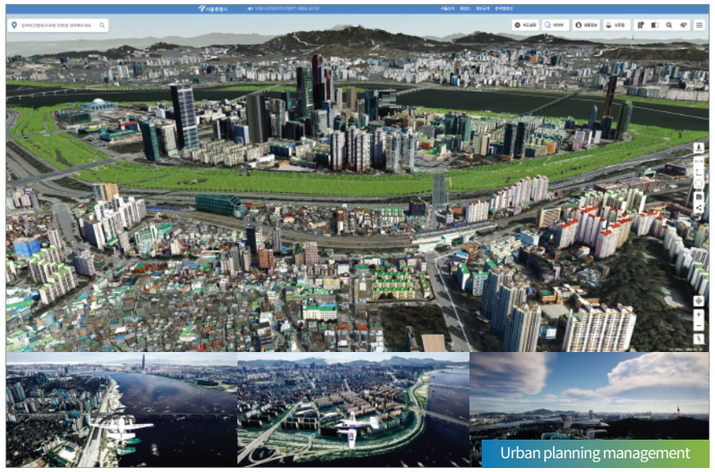

Cultural heritage data building


Acquisition of precise data by type

DT I Smart City

- S-Map (Smart map of virtual Seoul), Seoul
- Digital Twin-based Cultural Heritage Preservation System
- LAND-XI Platform, Jeju
- Establishment of Digital Twin Platform, Hongcheon/Sokcho/Uiryeong
- Digital Twin National Territory Pilot Project, Gyeongju
- Digital Twin Administrative Utilization System, Yongin
- Construction and Utilization of a 3D Digital Environment for Cultural Heritage Management of Jangneung Royal Tomb, Gimpo

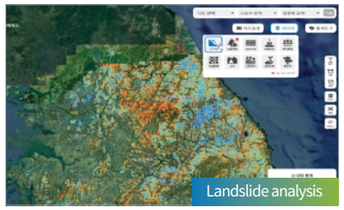
It is possible to address various urban and regional issues through urban monitoring, analysis, and simulation using real-world 3D spatial information.

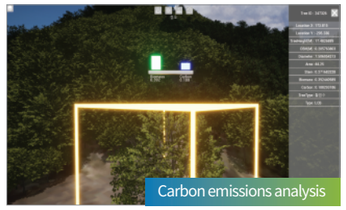


DT I Forest

- Visualization of Landslide Risk
- Tree Species and Tree Height Monitoring
- Carbon Emissions Analysis
- AI for Forest Tree Species
- AI for Land Cover Map

Leading smart forest management with 3D and intuitive visualization of forest structure analysis results.

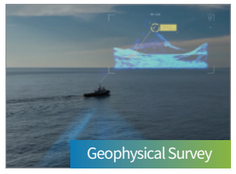




DT I Offshore Wind

- Offshore Wind Power Generation Simulation
- Wind Power Generation Facility Monitoring
- Analysis of Sea Level and Depth Changes
- Visualization of Sea Level, Wave Height, and Inundation
- Sea Area Use Impact Assessment Simulation

The offshore wind digital twin (DT), based on marine spatial information and geophysical survey data, supports decision-making for the development of offshore wind farms and aids in energy production, operation, and maintenance of the established farms.



DT I Plant / Factory

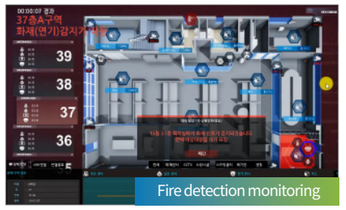
- Realistic Smart Green Industrial Park-based System
- 3D Industrial Park Digital Platform
- Emergency Response Control System
- Integrated Digital Map Construction for Complex, Hanwha/Samsung Display

We provide smart plant and process management services by constructing complex structures and facilities, various IoT sensors, etc., in large-scale plant sites as spatial information, and integrating them with real-time collected IoT, worker, process information to offer a variety of analyses and diagnoses.

DT I Disaster & Safety Management

- CPS Construction for Disaster Response in High-rise Mixed-use Facilities
- BIM-based Digital Twin for Dam and River
- Establishment of Firefighting SMAP System
- IoT-based Real-time Wildfire Administration Support

We provide safety management services at both regional and building levels to respond promptly to various disaster situations such as fire, collapse, and flooding. By integrating various IoT devices such as motion detectors and fire detectors with spatial information, we minimize disaster damage.



DT I CCTV Security

- Railroad Facility Maintenance History DB Spatial Information System
- Construction of Rail View System for Railways
- Intelligent Railroad Security Information System

We enable the overcoming of the limitations in the security sector, which relies on limited manpower and resources, by integrating AI-equipped CCTV with spatial information.

R&D

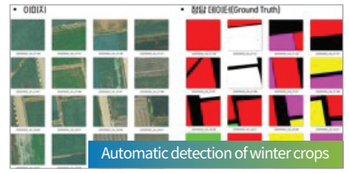
Leading core technologies for future aligned with national growth strategies

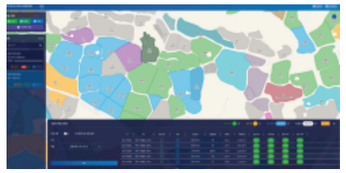
Through various R&D efforts integrating spatial information and AI, AllforLand alleviates constraints such as field surveys and visual inspections, and proposes new services based on understanding the real world, including spatial problem-solving, environmental impact analysis, and risk factor prediction.

GeoAI I Polygon

- Crop Detection
- Forest Species Detection

The AI trained on aerial imagery of farmland automatically detects crop types and predicts crop yields based on spatial information. Also, the AI trained on forest data automatically detects forest species and environmental changes for carbon sequestration estimation.





GeoAI I Object

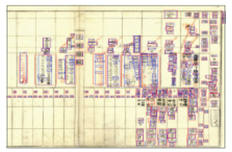
- Building Change Detection
- Car Detection & Inpainting

Based on object detection, changes are derived from time-series images or unnecessary objects are detected and automatically corrected. This application can be applied to various fields requiring object detection beyond buildings and automobiles.

Geo AI I Character

- Recognition of ancient Chinese characters

Automatically recognizes handwritten Chinese characters in scanned images of existing ancient documents and converts them into Hangul (Korean). The goal is to establish an advanced database that does not rely on visual inspection or manual input.



Marine Data Security Platform & Analysis/ Utilization Technology
(For Civilian / Military / Police Forces)

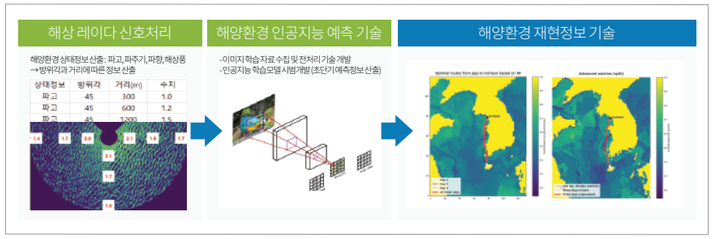
- Encryption of Marine Data
- Marine Data to S-100 Standard Conversion
- Technologies for Military and Police Maritime Operations
- Security System based on Blockchain
- Civil-Military-Police Integrated Utilization System

We are developing a security platform and AI-based analysis/utilization technology to support the sharing and utilization of secure maritime data among the Ministry of Oceans and Fisheries, Navy, and Coast Guard.

Trust Verification for Marine Environmental Information for Autonomous Vessels

- Autonomous Vessel Marine Environmental Prediction Data Production
- Integrated Route Generation Algorithm Development
- Research on Standardization of Marine Environmental Information Using S-100
- Visualization and Integration Platform for Marine Environmental Big Data

We are developing high-resolution grid-based marine environmental prediction information (covering 4 types of marine environment, of waves, and of marine meteorology) for autonomous and eco-friendly vessels. This information will be visualized and made reproducible through a platform.



Domestically Producing of Core Technologies for National Ocean GIS
(Based on S-100)

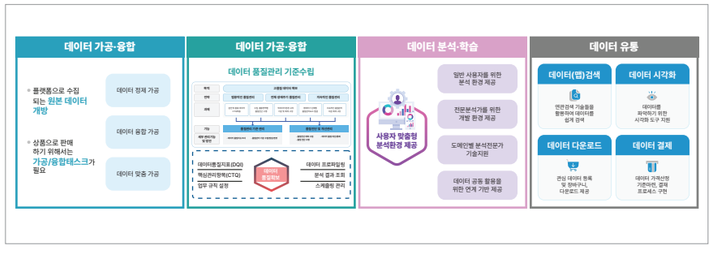
- Depth Data Processing SW Development
- Digital Chart Generation SW Development
- Paper Chart Generation SW Development
- Electronic Chart Production SW Development
- S-100 based International Standard Quality Management SW Development

We contribute to the advancement and utilization of the marine industry, as well as leadership in international standards, by domesticating the core national GIS technologies (such as underwater terrain information processing, chart production, and bathymetry) that have been dependent on foreign sources.

Coastal Big Data Platform and Center Establishment

- Infrastructure: Private Cloud with Cloud Security Certification
- Data: Coastal Observation/Prediction, Biological Environment, Coastal Weather, Ship Mooring Facilities, Marine Debris, and Ship Position Information
- Services: Big Data Portal, Innovative Services, Circulation Business Portal

We support the activation of the accumulation and distribution of data related to coastal waters and the establishment of self-sustaining big data platforms and networks to facilitate the distribution and trading of data.



Monitoring Technology for Changes in Intertidal Spatial Information

- Analysis of Intertidal Space Information Based on Satellites and UAVs
- Creation of Intertidal Terrain Maps and Establishment of Standard Intertidal Spatial Data
- Development of an Integrated Management System for Intertidal Space Information Utilization and Management

We aim to improve the limitations of the constantly changing tidal flat terrain observation methods and establish a comprehensive management system for tidal flat spatial information through systematization and standardization of spatial information based on each type of change, enabling the creation of thematic maps.

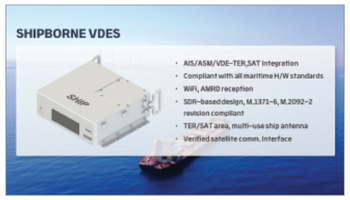
Traffic Congestion Prediction Model Based on GIS Using Ship Navigation Data

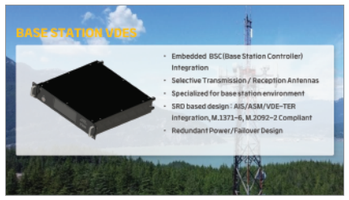
- Collection and Preprocessing of Large-scale AIS and V-PASS Data
- Conceptualization of Maritime Traffic Congestion and Examination of Variables
- Development of AI Prediction Models at Grid and Time-series Levels
- Deployment and Testing of Environmental Optimization Models for Demand Agencies

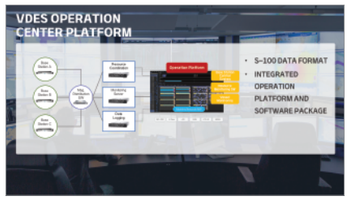
We contribute to proactive maritime traffic safety management by developing a predictive model for maritime traffic congestion with ensured accuracy and reliability, enabling analysis of maritime traffic volume and estimation of accident risk factors.

VDES (VHF Data Exchange System)

VDES(VHF Data Exchange System), the next-generation AIS, is a maritime digital network system that supports bidirectional communication between ships and shore.
It provides data transmission rates up to 32 times higher than AIS, and provides global coverage through satellite communications.
It is faster up to 32 times higher than AIS with global coverage through satellite.
VDES especially enables e-Navigation services for maritime safety, efficient navigation, and protection of the marine environment.
Also, VDES includes e-Navigation services for maritime safty, efficient navigation, and protection of the marine environment.







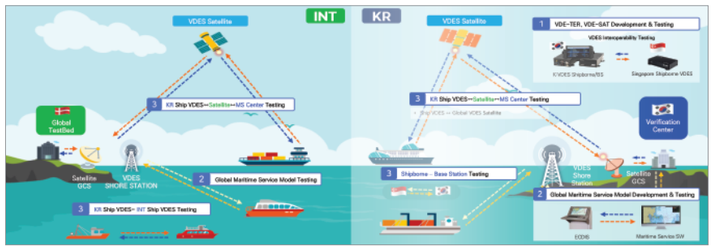
The Benefits of VDES

Enhanced Performance
- Bidirectional data transfer
- Fast transmission speed up to 32 times than AIS
- Global coverage

Standardized Service
- Compliance with upcoming recommendations and standards by ITU and IMO

Improved Security & Reliability
- Authentication of data

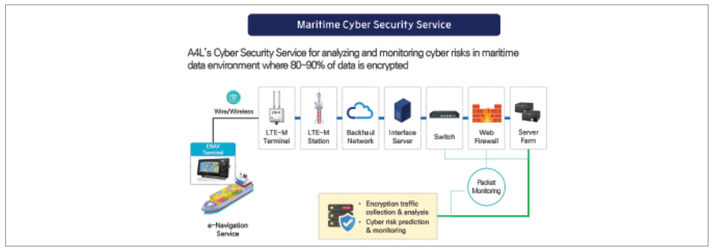
High Accessibility : Affordable service



The Ministry of Oceans & Fisheries
· Korean VDES R&D Project

Maritime Cyber Security

Network-based maritime cybersecurity is an effective approach to protect ship's IT and OT systems from cyber threats. It provides the AI-based service that controls and diagnoses viruses that threaten encrypted messages on maritime public networks.



The Ministry of Science and ICT
· Cyber Security Technology R&D for maritime network within Multi Government Agencies

ICS (Integrated Communication System)

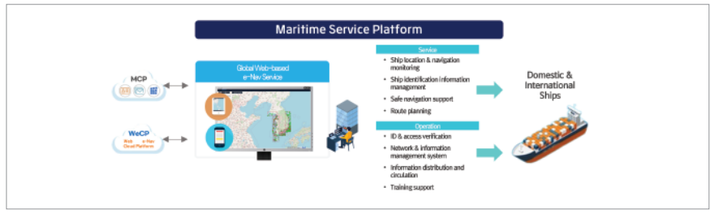
Maritime Integrated Communication System(ICS) is a comprehensive communication system for commercial maritime vessels. It provides a wide range of communication services available to any devices such as intercom, telephone, conference, radio, satellite, public network, and alarm.

- ICS Equipment(Terminal, Gateway) and Operation System
  VoIP based SIP(Session Interface Protocol)
- Switching(Centralized/Distributed)
  Database Synchronization
- Smart Terminal and Wireless Gateway Interface

S-100 Maritime Service Platform

S-100 Maritime Service Platform provides various marine data such as S-100 & S-200 (ENC, 3D seabed topography, real-time tides, maritime weather). The platform complies with the next generation hydrographic information standard by IHO, as well as international communication protocols.

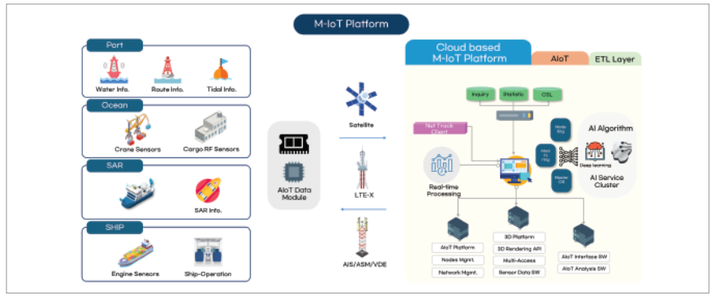
- S-100 based Maritime Services
- Maritime Traffic Info Service, Maritime Safety Service
- Maritime Climate, Maritime Reporting Service
- Route Exchange Service
- Just-In-Time(JIT) Service



Maritime IoT Service

Various navigation equipment and sensor information follow international standard protocols to provide various services through a Maritime IoT Platform, and remotely control the ship.
IoT services supports safe and optimal navigation by processing and analyzing IoT data.

- Ship Performance Optimization Service
- Preventive Ship Maintenance Service
- Cargo Condition Monitoring Service
- Regulatory Compliance Service
- Crew Health Management Service



MapPrime SOLUTION

Creating new value using convergence between smart technology & spatial information

All for Land has operated Real Estate Administration Information System for the past 10 years. Based on this experience, we possess MapPrime, a domestically produced spatial software that has been verified by a reputable organization.

- **2010 ~ 2011** Unified Real Estate Administration Information Pilot Project
- **2015** Unified Real Estate Administration Information Project
- **2024** Maintenance and Operational Support for Real Estate Administration Information System

mapprime for KRAS

- Transition from foreign GIS solutions to domestic MapPrime solutions
- Meeting the quality and performance standards of spatial information SW for the promotion
- Execution of projects for the development and support of domestic SW Industry

MapPrime GIS Server

- GIS data that works with various DBMS
- Support for multi-user environments, spatial operations, and spatial analysis functions
- Customization and integrated development through MapPrime SDK

MapPrime GIS Web Server

- Web-based intuitive capabilities management
- OGC standards support including WMS, WFS, WPS
- Monitoring and web-based management functionalities
- Support for various web servers & OS such as UNIX, Windows, LINUX

MapPrime SDK(C/S)

- Spatial DBMS, shapefile editing and management functionalities
- GUI-based convenient layer import/export functionalities
- Provision of components(OCX) and development APIs

GOOD Software

Korea Certificate Authority, TTA
(Telecommunications Technology Association)
GS (Good Software) Certificate

CERTIFIED OGC® COMPLIANT

OGC® Associate Member

WMS 1.3.0

WFS 1.1.0

International GIS Standard Organization, OGC
(Open Geospatial Consortium)
WMS 1.3.0 / WFS 1.1.0 Compliance

Cloud Service Certification
November 25, 2016

Verification of Cloud Service Management System
October 31, 2017

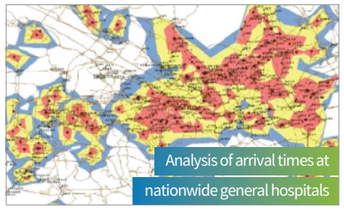
TTA Cloud Quality Performance Testing
November 10, 2017

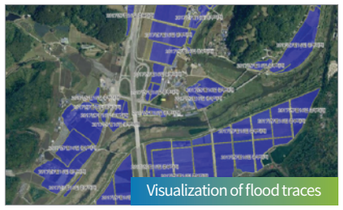
Copyright Registration
November 16, 2017

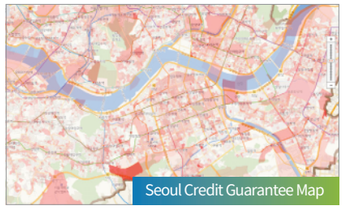
map prime 2D GIS

- Providing OGC international standard server, client, and tile map tools
- Support for various OS (Unix, Windows, Linux)
- Ability to build services complying with web browser standards without using ActiveX

- Korea Land Use Information System
- Integrated Real Estate Information System
- Geospatial Information Platform
- Digital Address Information Platform
- Pilot System for Railway Construction and Maintenance
- Geospatial System for Local Governments


Analysis of arrival times at nationwide general hospitals


Visualization of flood traces


Seoul Credit Guarantee Map


Safety map for beaches

map prime 3D GIS

- Seamless Integration and Visualization of Indoor and Outdoor Spatial Information
- Lightweighting of Large Construction Data (BIM)
- Query of Shape and Attribute Information by Spatial and Component Units
- Optimal Web and Mobile Environment Support and Provision of Various Clients

- Korea Land Use Information System
- Integrated Real Estate Information System
- Geospatial Information Platform
- Digital Address Information Platform
- Pilot System for Railway Construction and Maintenance
- Geospatial System for Local Governments


S-Map, Seoul

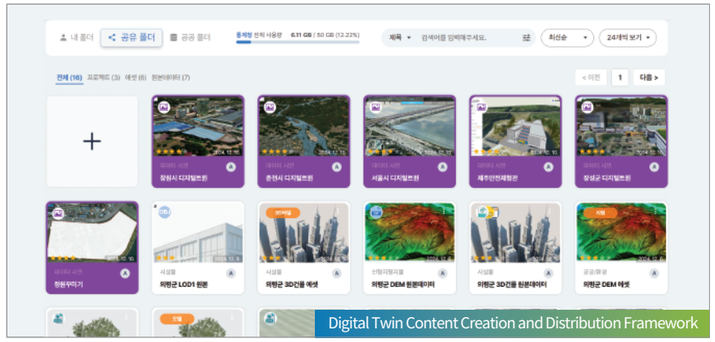

Samsung Display


Hanwha TotalEnergies

map prime CLOUD

- 1st GIS SaaS service in Korea through GSIP(Global SaaS Incubating Project) of Ministry of Science and ICT
- 2D and 3D Integration and MSA Architecture Transition for SaaS service of public sector
- Geospatial Data Production, Analysis, Sharing, Distribution service based on Cloud Environment
- Certified SaaS by Korea Association of Cloud Industry, Compatible with K-Pass , Certified by Cloud Security Assurance Program

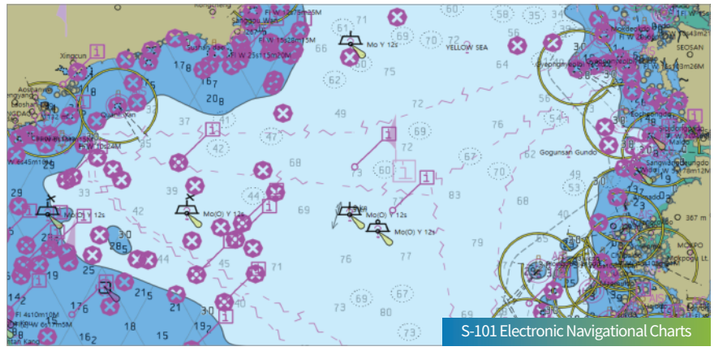
- Ministry of Science and ICT
- National Information Society Agency
- Ministry of Oceans and Fisheries
- Korea Land and Geospatial Informatix Corporation
- Gyeonggi Content Agency
- Ewha Womans University
- Meharry Medical College

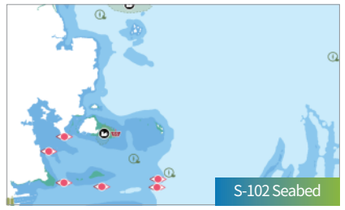

Digital Twin Content Creation and Distribution Framework

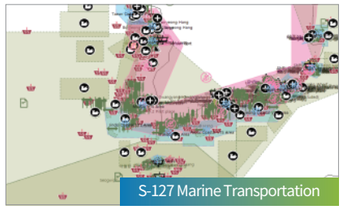
map prime ENC

- International Hydrographic Organization(IHO) generic route standard data management functionality
- Provision of S-101 electronic navigational charts editing functionality
- Management of marine standard spatial data such as points, multi-points, curves, surfaces, etc.

- Localization Research and Development of National Marine GIS Core Technologies Based on S-100


S-101 Electronic Navigational Charts

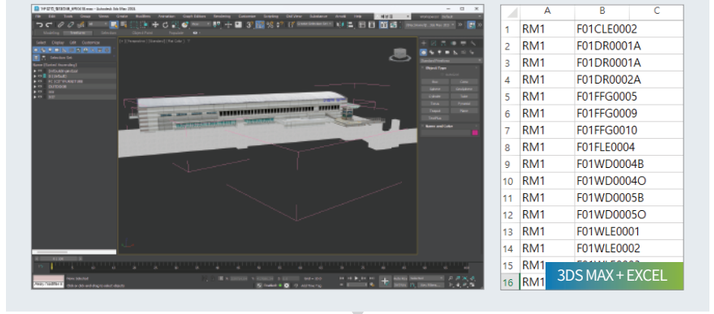

S-102 Seabed


S-127 Marine Transportation

map prime CityGML

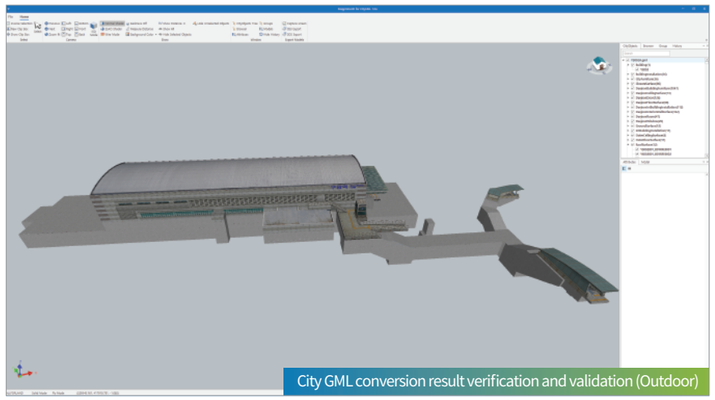
- Support for logical structure and attribute information verification of City GML construction achievements
- Support for City GML conversion of buildings and underground facilities models built on 3DS MAX
- Support for converting City GML data into standard data models such as obj, 3ds
- Support for converting city models built with City GML data into 3D service tile sets

· Construction of 3D Indoor and Outdoor Model Data for Fire Safety City



	A	B	C
1	RM1	F01CLE0002	
2	RM1	F01DR0001A	
3	RM1	F01DR0001A	
4	RM1	F01DR0002A	
5	RM1	F01FFG0005	
6	RM1	F01FFG0009	
7	RM1	F01FFG0010	
8	RM1	F01FLE0004	
9	RM1	F01WD0004B	
10	RM1	F01WD0004O	
11	RM1	F01WD0005B	
12	RM1	F01WD0005O	
13	RM1	F01WLE0001	
14	RM1	F01WLE0002	
15	RM1		
16	RM1		

City GML conversion



City GML conversion result verification and validation (Outdoor)

City GML conversion result verification and validation (Indoor)

map prime AI Cloud

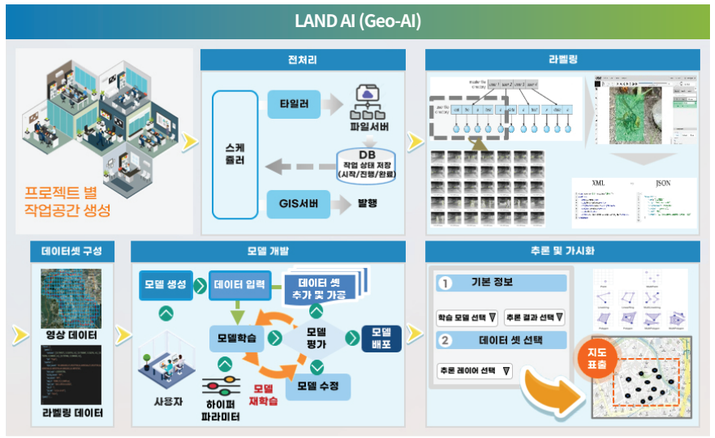
- Cloud-based AI OCR and land image detection/conversion support
- Natural language processing support for AI-based Korean conversion of old documents in the land register
- Support for image change detection and extraction of areas and objects within a space
- Support for thematic map generation based on detection and inference results
- Continuous performance improvement through automatic retraining
- AI model management feature based on Docker

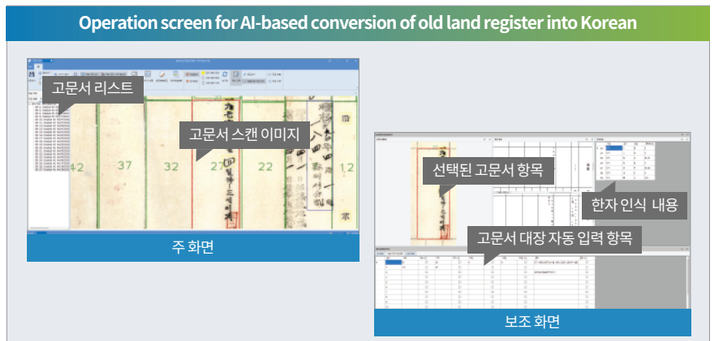
· Conversion of Old Land Register to Korean Using AI-Based Technology

· Development of Land-XI platform functionalities

· Establishment of administrative services for spatial intelligence information (Geo-AI) integrated image analysis

· MSP (Managed Service Provider)





CLIENTS

AllforLand and customers will work together toward future dreams.

Government Ministries

Ministry of the Interior and Safety
Ministry of Science and ICT
Ministry of Unification
Ministry of National Defense Republic of Korea
Ministry of Land, Infrastructure and Transport
Ministry of Oceans and Fisheries
Ministry of Agriculture, Food and Rural Affairs
Ministry of Environment
National Fire Agency
Cultural Heritage Administration
Korea Forest Service
Korea Heritage Service

Local Governments

Public Offices

National Geographic Information Institute
NIA National Information Society Agency
KLID
Korea Financial Intelligence Unit
REB Korea Real Estate Board
LX
LH
Korea Hydrographic and Oceanographic Agency
KIOST
KIMST
KOEM
K water
K-eco
National Institute of Agricultural Sciences
Kofpi Korea Forestry Promotion Institute
한국산지보전협회
KAIA Korea Agency for Infrastructure Technology Advancement
KICT
National Disaster Management Research Institute
KITECH
FOODPOLIS KOREA NATIONAL FOOD CLUSTER
KHIDI 한국보건산업진흥원
kepco
KOGAS
DICIA Daejeon Information & Culture Industry Promotion Agency
GRI
KOREA NATIONAL RAILWAY
국군재정관리단
APFS Agricultural Policy Insurance & Finance Service
KEIT Korea Planning & Evaluation Institute of Industrial Technology
FIRA Korea Fisheries Resources Agency
ETRI Electronics and Telecommunications Research Institute
KIGAM
KARI
KHOA Korea Hydrography and Research Association

Private Offices

SAMSUNG DISPLAY
Hanwha
TotalEnergies
Hanwha Ocean
Hanwha Vision

Spatial information has infinite value
as a core infrastructure
of the 4th industrial revolution

At the heart of its value,

ALLFORLAND creates new value

through spatial information
with technology and innovative service
covering full range of special industry.

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