

GIS / Defense Common Operational Picture / ICT-focused company

# D2 INNOVATION

디투이노베이션

# Content

---



- I . Company Overview
- II . Core Technologies & Products
- III . Business Areas
- IV . Intellectual Property & Others
- V . Key Achievements by Year

## I . Company Overview

# VISION

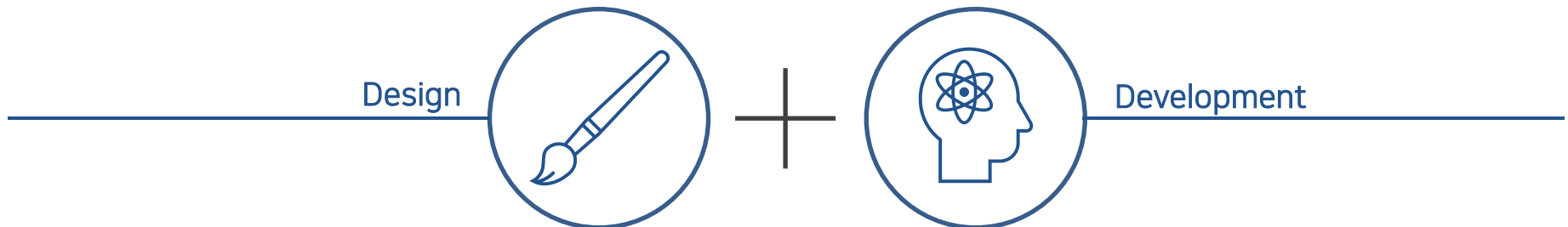
**A leading company in Korea's defense geospatial information sector,**  
driven by creative and innovative technologies



# D2 INNOVATION

“Through creative **design** (human-friendly and innovative design) and continuous **development** (technology advancement), we strive to deliver optimal solutions in the geospatial information field.”

## Optimal Solution



## I . Company Overview

# Introduction

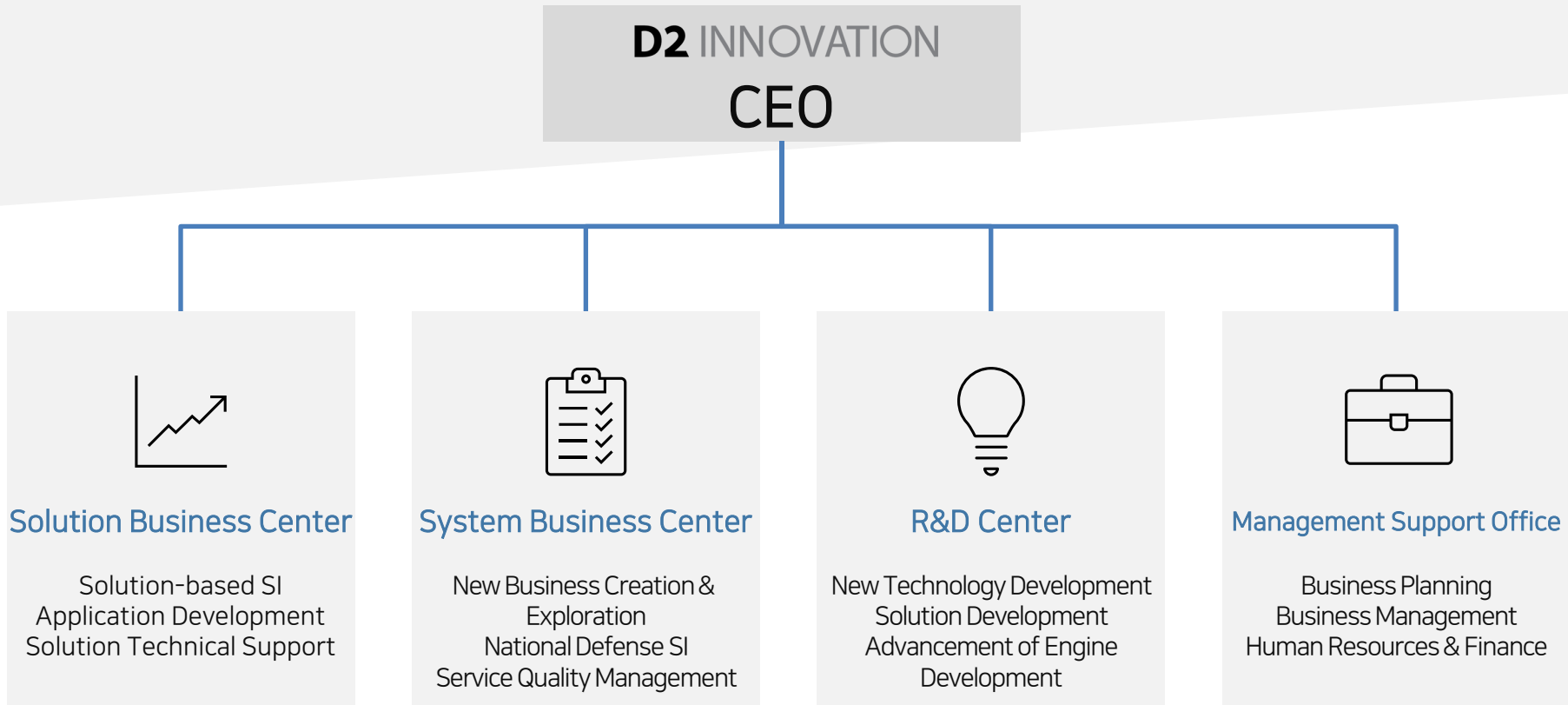
---

Name	D2Innovation Co., Ltd
CEO	Ahn, Ji Hwan
Establishment	2007. 9. 6
Employees	35 people (2025. 4)
Main Business	Development of 2D/3D GIS engines & Application SW
Address	A-811, Pangyo Global Biz Center, 43 Changup-ro, Sujeong-gu, Seongnam-si, Gyeonggi-do, Republic of Korea
Contact	Tel. 031-8017-6323 Fax.0507-1798-1630



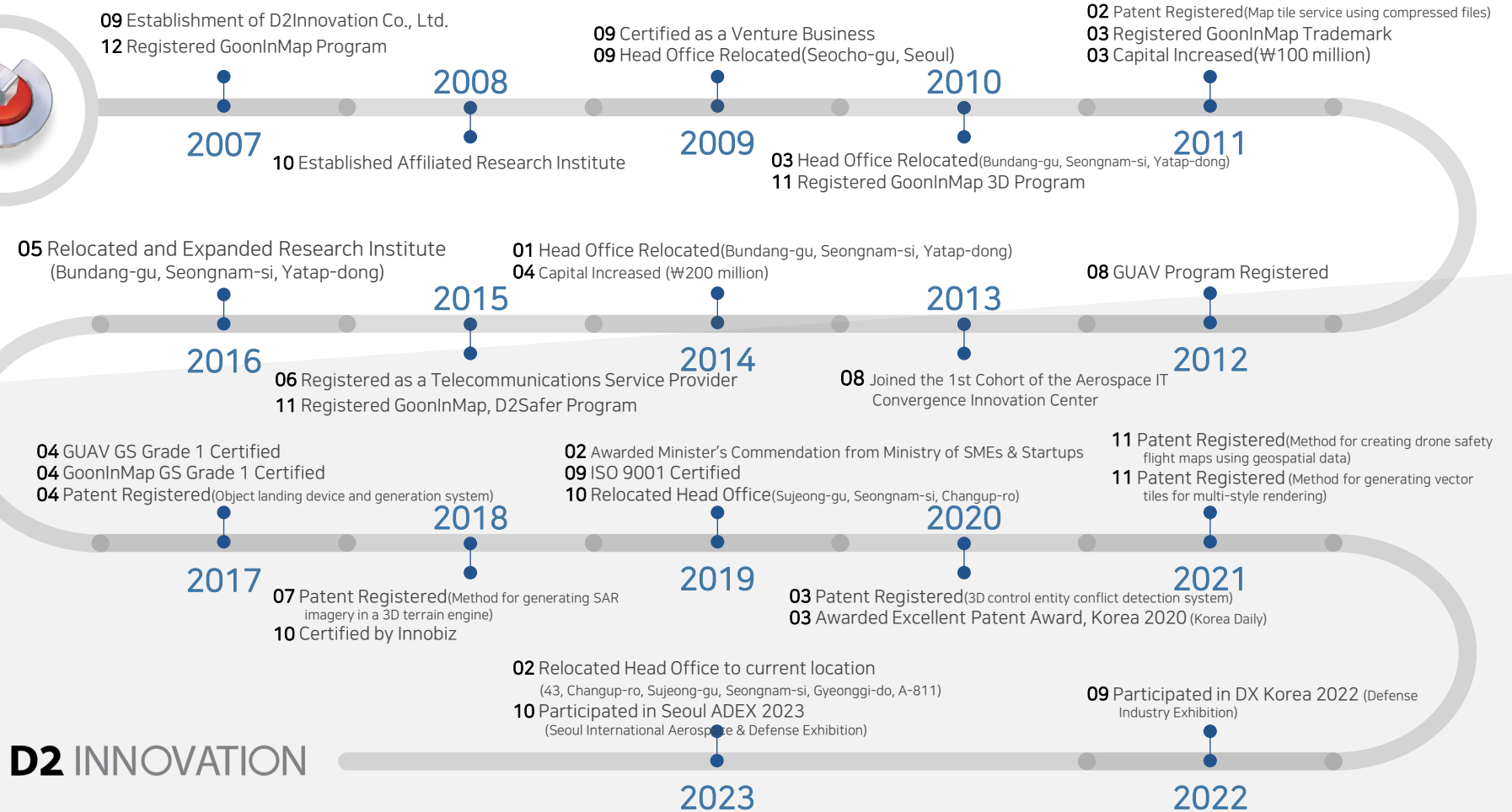
# I . Company Overview

## Organization



# I . Company Overview

## History



# I . Company Overview

## Major Clients



## II . Core Technologies & Products

# GoonInMap™

GS Certification Grade 1(17-0131)

The GoonInMap solution provides a foundational architecture consisting of clients, servers, and tools that enable fast and powerful map services in both web-based and client/server (C/S) environments, depending on the system configuration.



### GoonInMap™ Abstract

A complete GIS solution consists of components such as a server for providing GIS services, tools designed to support user convenience, and an SDK to assist developers in building custom applications.



#### GoonInMap Server

- Enables efficient data handling and processing on the server to ensure reliable GIS service delivery.
- GoonInMap Server



#### GoonInMap SDK

- Provides support for building a wide range of GIS application services through the utilization of geospatial data.
- GoonInMap SDK(2D)
- GoonInMap SDK(3D)



#### GoonInMap Tool

- Provides various methods for creating, editing, and converting GIS data using geospatial information.
- GoonInMap Studio
- GoonInMap TileMaker
- FDB Importer



## II . Core Technologies & Products

# Drone Simulator

D2 Drone Simulation delivers a realistic training environment by rendering immersive visuals based on modeled real-world terrain, offering an experience similar to actual field drone operations.



Realistic  
Environment

Weather Effects  
and Immersive  
Visuals

Basic Flight  
Training Content

Intermediate Flight  
Training Content

Seamless  
Connectivity

Multi-angle  
Camera Views

Sensor  
Simulation

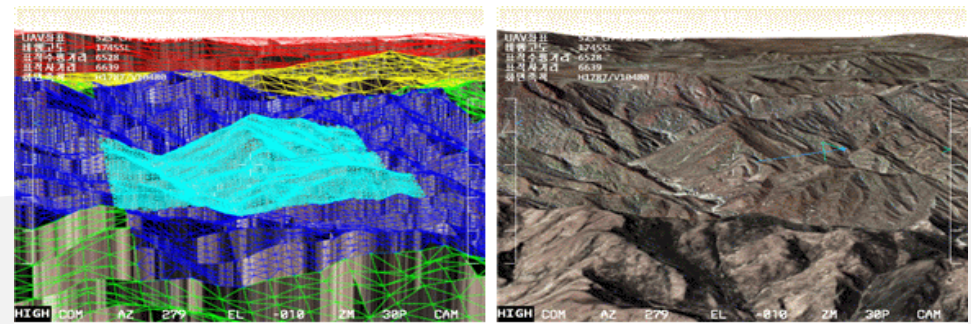
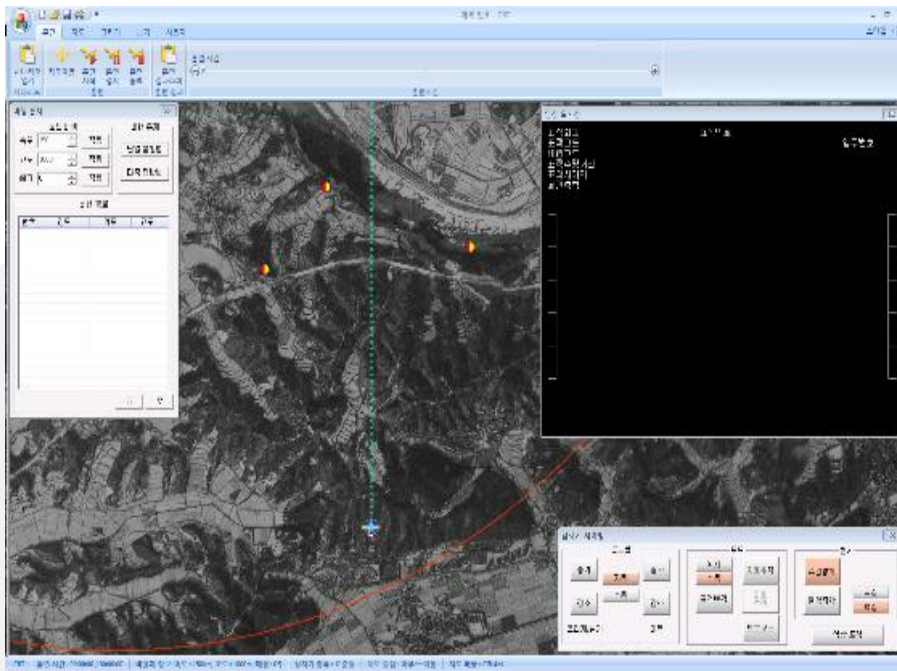
Compatible  
with Open GCS

## II . Core Technologies & Products

# GUAV

GS Certification Grade 1(17-0110)

Developed as the first corps-level UAV simulator in Korea, it provides sensor control training with control feedback and simulated imagery that closely resemble the behavior of real-world sensor systems.



Real-time 3D  
Terrain  
Visualization

Realistic Sensor  
Control  
Characteristics

Simulated Imagery  
Reflecting Sensor  
Characteristics

3D Target Modeling  
and Target Effects

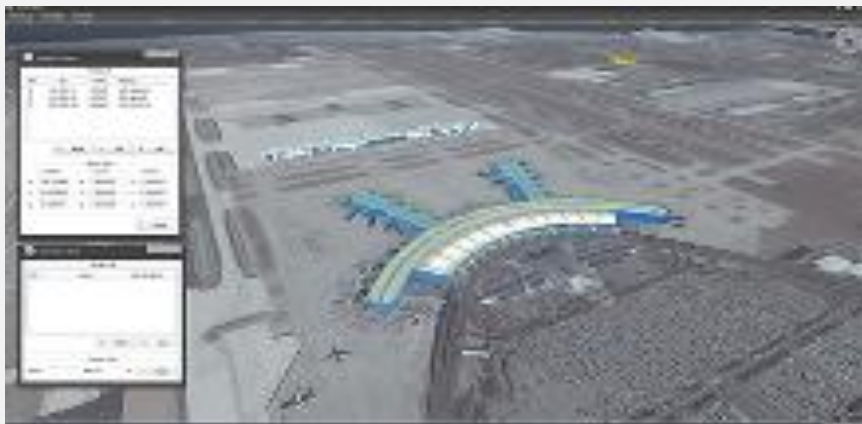
Weather  
Configuration and  
Effects

3D Terrain  
Database  
Construction

## II . Core Technologies & Products

# RFSS(Real Flight Simulation Software)

A software solution that utilizes Quick Access Recorder (QAR) data to replay and analyze aircraft flight records, system status, and flight instrumentation.



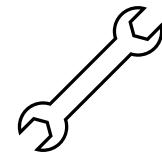
Flight Path Generation



3D Visual Replay



Flight Instrument Display

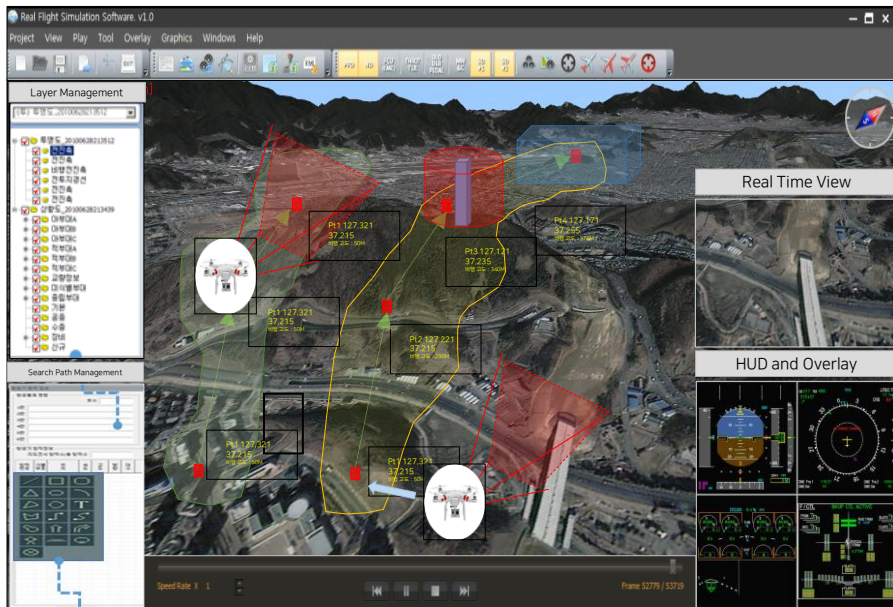


Additional Features

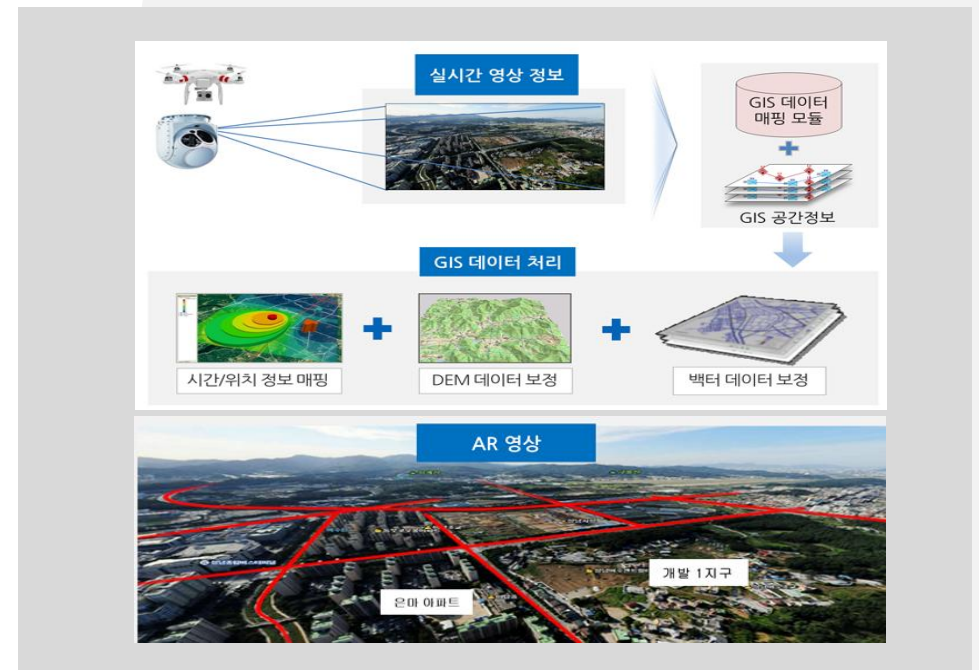
## II . Core Technologies & Products

# Drone GCS

Leveraging professional expertise and technology in drone operations, we utilize 3D geospatial data to develop mission scenarios and provide optimized automated mission planning through pre-execution simulation.



Navigation and Flight Control Software Configuration



# III. Business Areas

D2Innovation strives for excellence through technology and quality.

Based on a team of specialized experts in geospatial technologies, D2Innovation Co., Ltd. has developed outstanding solutions such as C/S and web-based GIS platforms and UAV 3D simulation systems. These technologies and services have been tailored to meet the diverse needs of the defense, public, and private sectors.

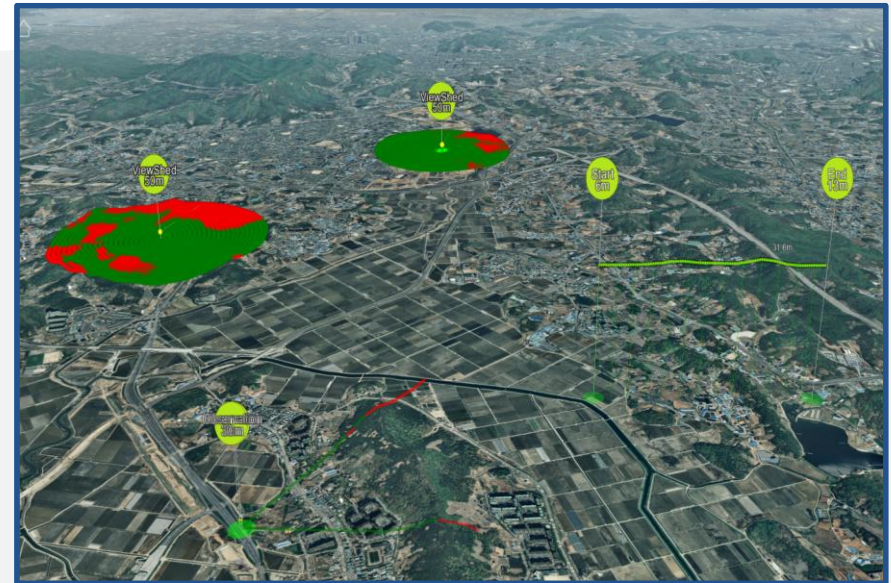
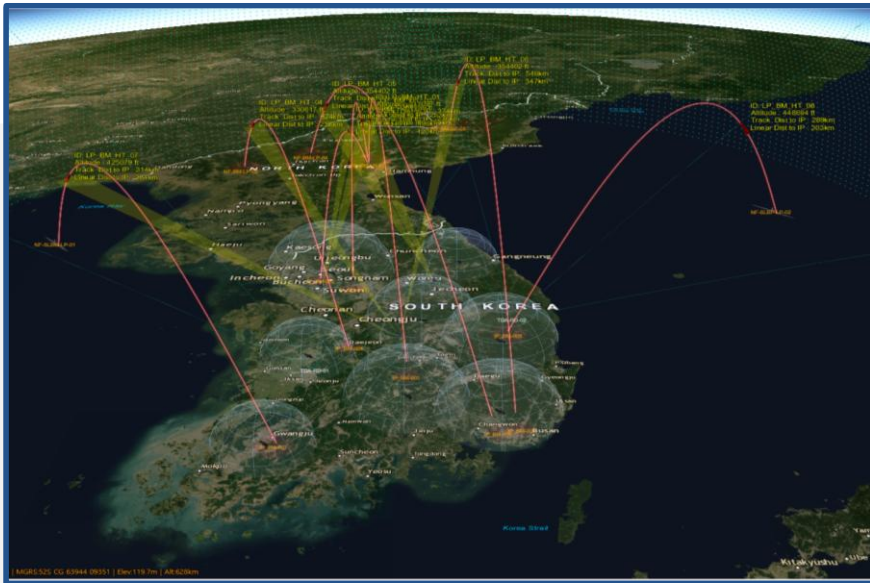
Leveraging extensive know-how accumulated through numerous projects, D2Innovation is committed to delivering differentiated and highly reliable geospatial solutions.



# III. Business Areas

## Common Operational Picture

In tactical operations across all roles, technologies for battlefield data representation and visualization are essential for more effective and efficient mission execution. Based on extensive experience in GIS solution development and visualization projects involving battlefield situational awareness and terrain analysis, we provide specialized 2D/3D GIS expertise optimized for integrated battlefield visualization. Our 3D situational mapping technology is designed to support accurate situational awareness, operational planning, information analysis, and decision-making by offering an operator-centered interface, realistic and immersive battlefield visualization, and intuitive input/output mechanisms.

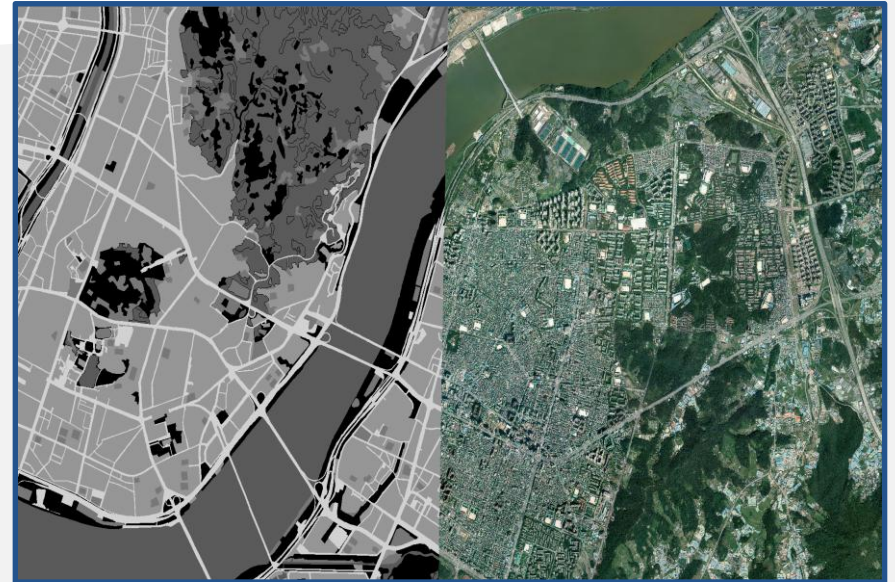


# III. Business Areas

## Weapon System

---

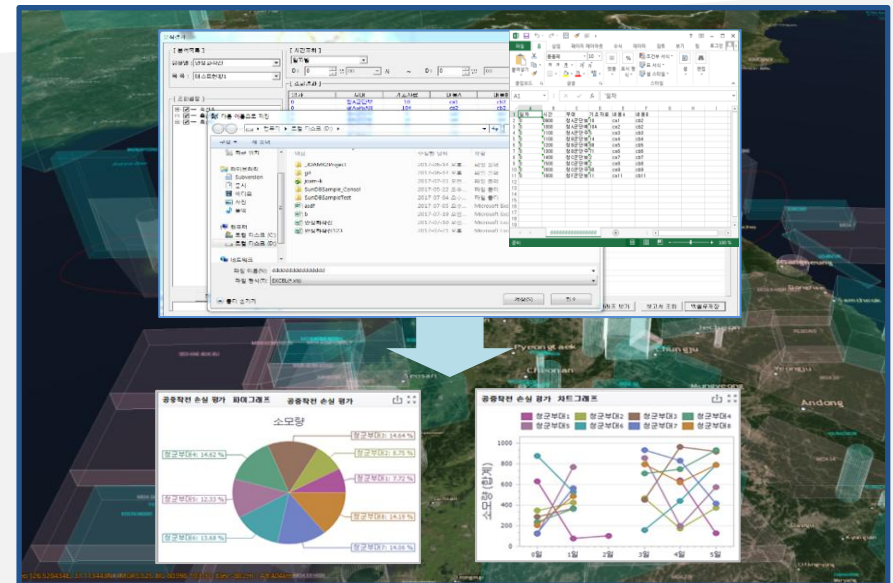
Through the execution of various projects related to military weapon system software, we have secured core technological capabilities to support combat systems and command & control systems. Based on this expertise, we offer a wide range of applied technologies for diverse weapon systems.



# III. Business Areas

## Modelling & Simulation

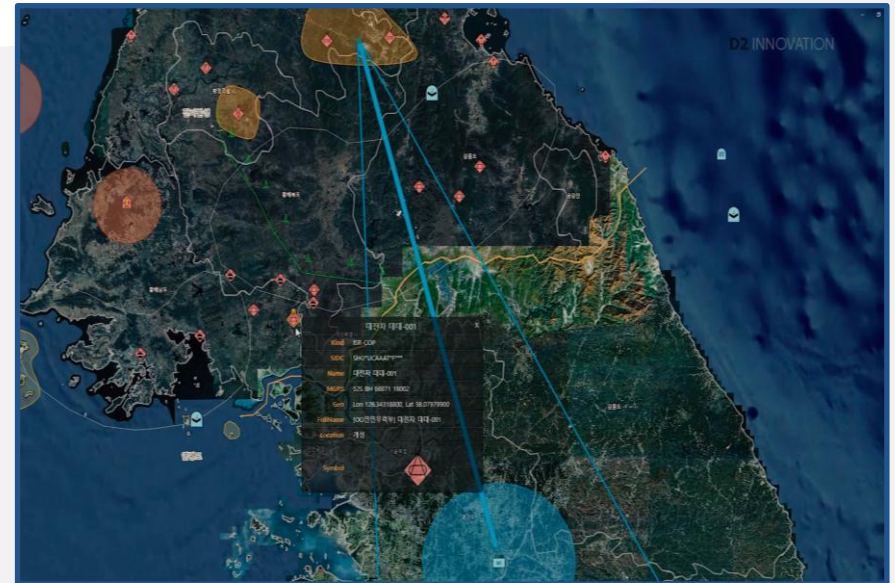
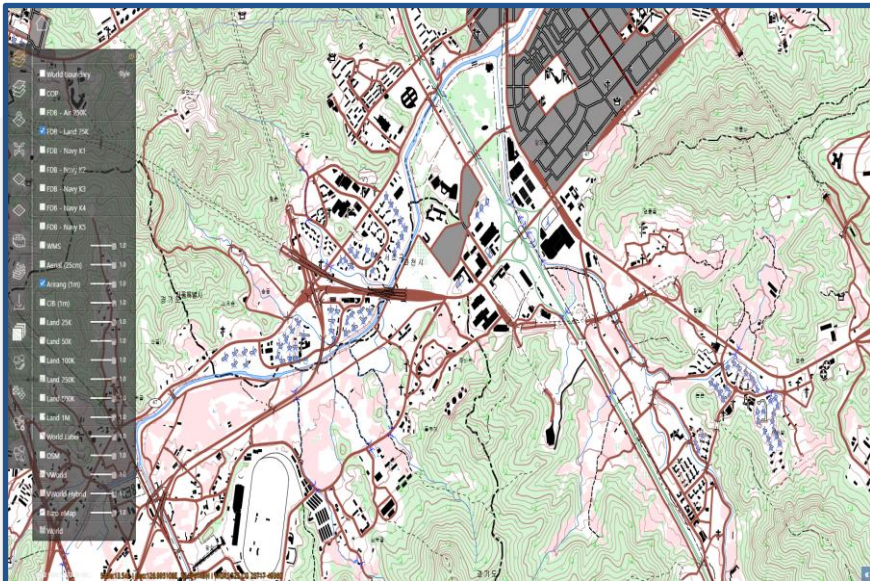
Focusing on application systems such as situational displays, scenario management, and analytical tools, we support input/output functions for simulation models that enhance military effectiveness, based on advanced M&S technologies. We are also committed to research and standardization in the field of defense M&S.



# III. Business Areas

## Standardization

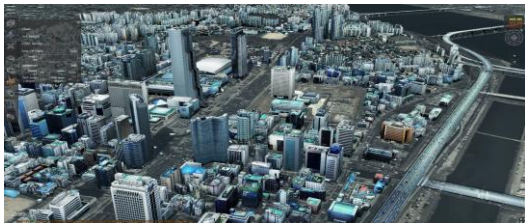
Ensuring interoperability between military systems is an essential requirement for achieving joint operational capabilities in future battlefield environments. D2Innovation Co., Ltd. has played a leading role in the standardization of military map rendering through the Common Operational Picture (COP) enhancement project, supporting key military standards such as standardized military symbology, situational map sharing, and transparency exchange.



# III. Business Areas

## Geospatial Business

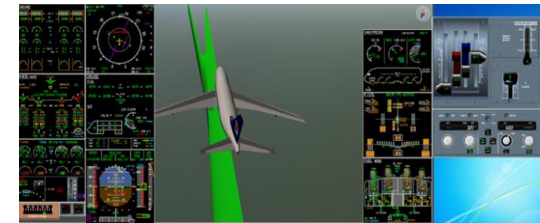
D2Innovation Co., Ltd. offers total solutions in the geospatial field — from the sale of in-house developed solutions by our team of geospatial experts, to the development of application software and consulting services tailored to a wide range of customer needs.



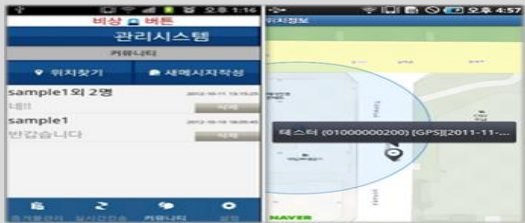
2D / 3D Web GIS



Route Search



Air Traffic Control



Mobile App Service



Navigation Service



Facility Control

# IV. Intellectual Property & Others

## Certificate of Copyright Registration

List	Registration No	Date
• Smart Construction Drone Simulator	C-2022-041901	2022.10.28
• Smart Construction Drone Simulator	C-2022-041902	2022.10.28
• Map Conversion Tool for Drone Tactical Training Simulator	C-2022-014620	2022.03.25
• GoonInMap Military Symbol	C-2021-039217	2021.10.01
• Unmanned Aerial Vehicle Virtual Training Simulator	C-2020-041378	2020.11.12
• Unmanned Aerial Vehicle Virtual Training Simulator	C-2020-041379	2020.11.12
• GoonInMap Spatial Analysis	C-2020-021218	2020.06.29
• 3D Model Import Tool	C-2022-014621	2020.06.25
• GoonInMap 3.2	C-2019-001409-2	2020.04.13
• GoonInMap (D2Map)	C-2015-026916-2	2020.04.06
• Flight Situation Replay Software (RFSS)	C-2015-014096-2	2020.04.06
• GoonInMap 3D	S-2010-007243-3	2020.04.06
• GoonInMap	S-2007-009432-5	2020.04.06
• Automated Data Conversion for UAV Training	C-2019-032217	2019.11.06
• UAV Simulator – Realistic Weather, Weather Effects	C-2019-032218	2019.11.06

## Certificate of Trademark Registration

List	Registration No	Date
• 상표등록증	40-0858725	2011.03.29

## Certificate of Patent

List	Registration No	Date
• EO/IR Image Simulation Method for LVC-Based Drone Tactical Training	10-2471842	2022.11.24
• Automated Precision 3D Data Conversion for Virtual Environments	10-2429652	2022.08.02
• Drone Simulator System with Realistic Image Integration	10-2410870	2022.06.22
• Method for Constructing a Spatial Info-Based Safe Map for Drones	10-2399293	2022.05.14
• Vector Tile Map Generation Method for Multi-Style Rendering	10-2375819	2022.03.14
• 4D Collision Detection Method and System for 3D Control Entities	10-2173239	2020.10.28
• SAR Image Generation Method in a 3D Terrain Engine	10-1885646	2018.07.13
• ILS-Based Aircraft Trajectory System with Airport Geospatial Data	10-1731609	2017.04.24
• Web Map Service Method Using a Compression Program	10-1017433	2011.02.17

# IV. Intellectual Property & Others

## Software Quality Certificate

Name	Registration Number	Date
• GoonInMAP 3.2	17-0131	2017.04.03
• GUAV	07-0110	2017.03.20

## Quality Management System Certificate

Name	Registration Number	Date
• RFSS	22-A-1604	2019.09.20

## Commendation

Name	Registration Number	Date
• Minister of SMEs and Startups		2019.02.15

## Certificate of Direct Production

Name	Registration Number	Date
• Software Maintenance and Support	2023-0632-02732	
• Data Service	2023-0563-02729	
• System Management	2023-0514-04180	
• Software	2023-0508-03971	
• Engineering Business	2023-0507-05735	
• Management Information System	2023-0433-0313	

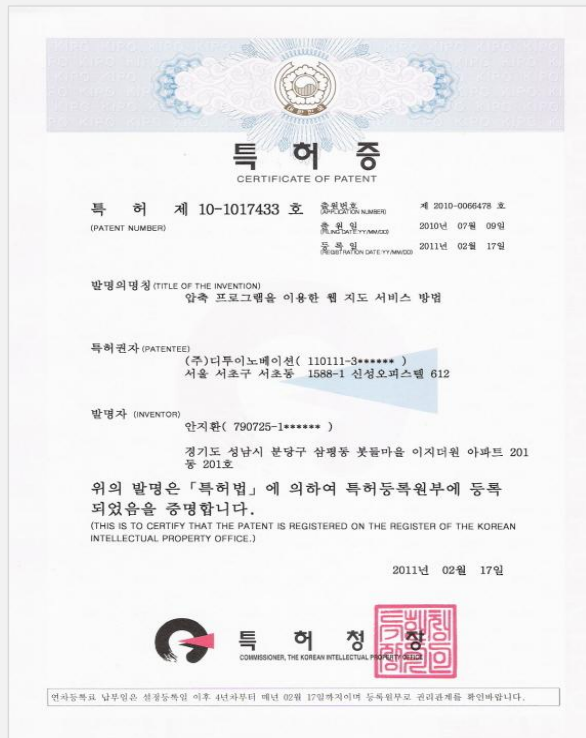
## Letter of Appreciation

Name	Registration Number	Date
• Director of Operations, Joint Chiefs of Staff		2019.02.15
• Commander, Armed Forces Medical Command		2018.12.18
• Director, Information Systems Management Group		2014.05.30

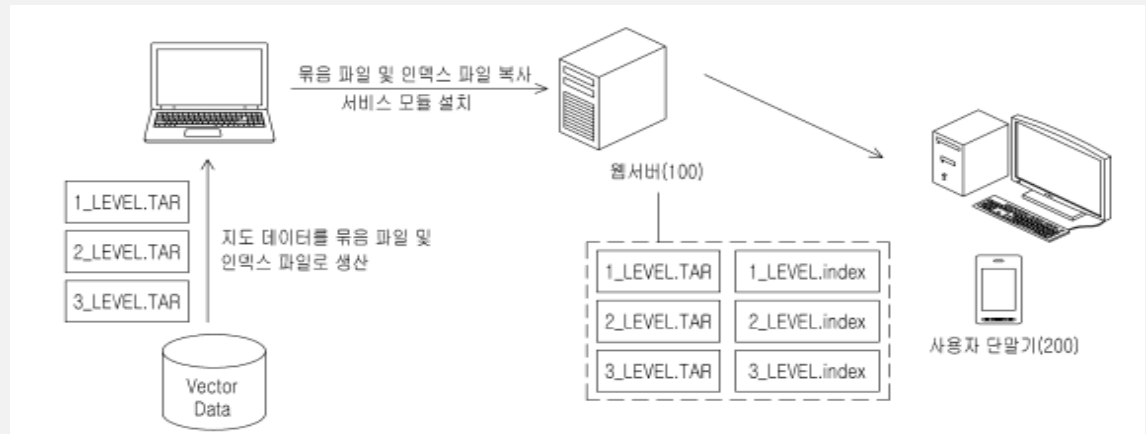
# IV. Intellectual Property & Others

## Patent

Technique for Delivering Web Mapping Services via a Compression Program (10-1017433)



Map tile images are generated as large-capacity TAR files, and the bundled files are served through a web server to enhance the efficiency of map data generation and service delivery.

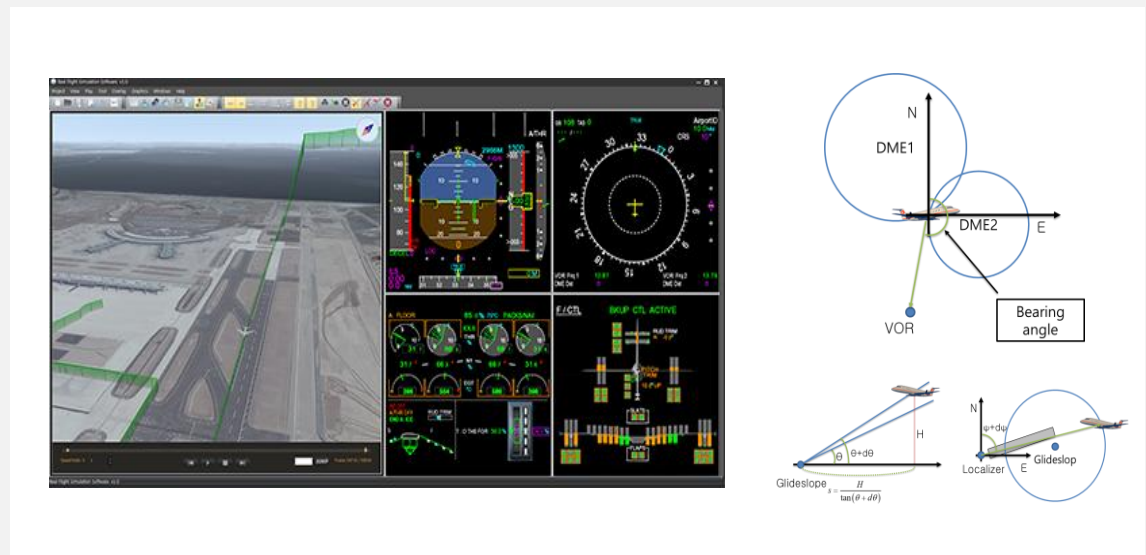


- Reduced disk space usage (30%–70% reduction)
- Shortened map data copying time (70%–95% reduction)
- Lower disk wear through reduced write operations

# IV. Intellectual Property & Others

## Patent

Aircraft Trajectory Generation System Near Airports Based on ILS and Airport Geospatial Data (10-1731609)



- Generates flight trajectories by analyzing aircraft flight record data (QAR)
- Corrects and interpolates missing or erroneous data
- Applies options such as ILS, Glideslope, and VOR/DME to produce precise flight trajectories

# IV. Intellectual Property & Others

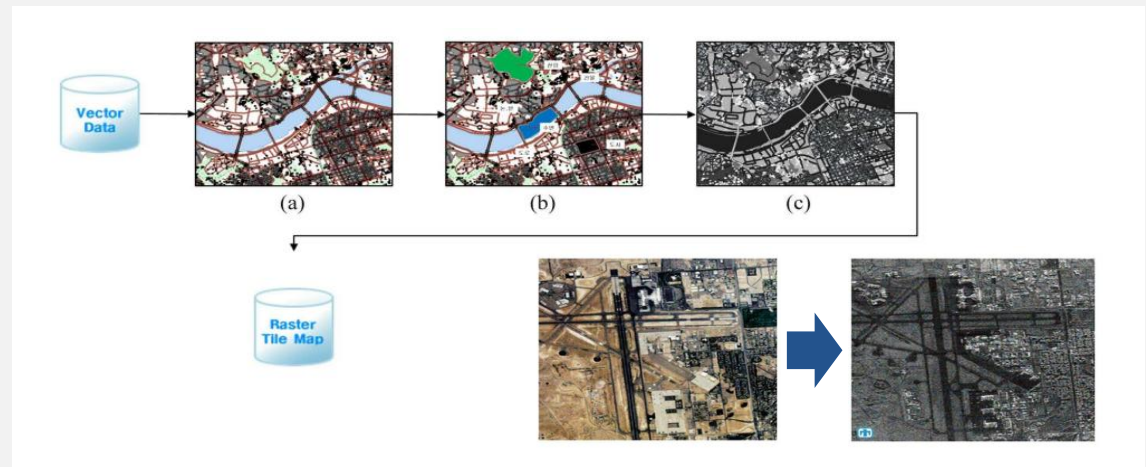
## Patent

### Method for Generating SAR Images in a 3D Terrain Engine

(10-1885646)



SAR-like imagery is generated within a 3D terrain engine using satellite imagery and vector map data.



- Each terrain type in the vector map is associated with a specific backscattering coefficient, and the resulting SAR-like image is generated using the applied pattern images
- Pattern images corresponding to SAR characteristics are assigned based on terrain information from vector maps

# IV. Intellectual Property & Others

## Patent

Technique for Creating Vector Tile Maps with Multi-style Rendering Support (10-2375819)



Enhanced Service Performance Vector Tile Map

Style	Preview	설명	Style	Preview	설명
Simple Line		• 지오메트리 변경 없이 기록	Double Line Both		• 간격 입력 값으로 양쪽 시프트 선분 기록
Line Point		• 시작 위치, 간격 입력 값으로 선분위의 점을 기록	Double Line Left		• 간격 입력 값으로 왼쪽 시프트 선분 기록
Vertical Line Both		• 시작 위치, 간격, 길이 입력 값으로 선분위의 점 기준 양쪽 수직으로 기록	Double Line Right		• 간격 입력 값으로 오른쪽 시프트 선분 기록
Vertical Line Left		• 시작 위치, 간격, 길이 입력 값으로 선분위의 점 기준 왼쪽 수직으로 기록	Tunnel Line		• 간격, 길이 입력값으로 선분 양끝 타널 라인 기록
Vertical Line Right		• 시작 위치, 간격, 길이 입력 값으로 선분위의 점 기준 오른쪽 수직으로 기록	Bridge Line		• 간격, 길이 입력값으로 선분 양끝 교량 라인 기록
Vertical Line Both Circle		• 시작 위치, 간격, 길이 입력 값으로 선분위의 점 기준 양쪽 수직으로 기록	Pipeline		• 간격, 길이 입력값으로 선분 양끝 파이프 라인 기록
Vertical Line Left Circle		• 시작 위치, 간격, 길이 입력 값으로 선분위의 점 기준 왼쪽 수직으로 기록	Waveline		• 간격, 길이 입력값으로 지그재그 선분 기록
Vertical Line Right Circle		• 시작 위치, 간격, 길이 입력 값으로 선분위의 점 기준 오른쪽 수직으로 기록	Central point		• 폴리곤 중심을 기록

- Generates customized tile maps optimized for rendering with minimal computation
- Supports Korean military standard vector map symbols (MND-STD-0023A) using modular, thematic-style symbols.

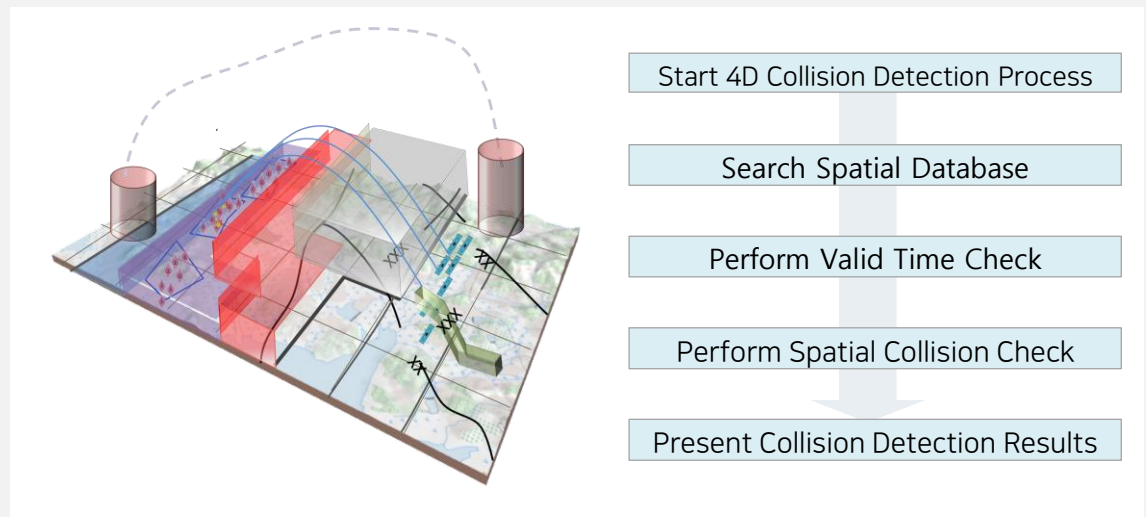
# IV. Intellectual Property & Others

## Patent

### 4D Collision Detection Method and System for 3D Control Entities (10-2173239)



A method and system for performing 4D collision detection for 3D control entities, wherein valid spatial data is extracted based on temporal comparison and used to perform collision checks against a target object, accounting for both spatial and temporal overlap in dynamic 3D environments.



# IV. Intellectual Property & Others

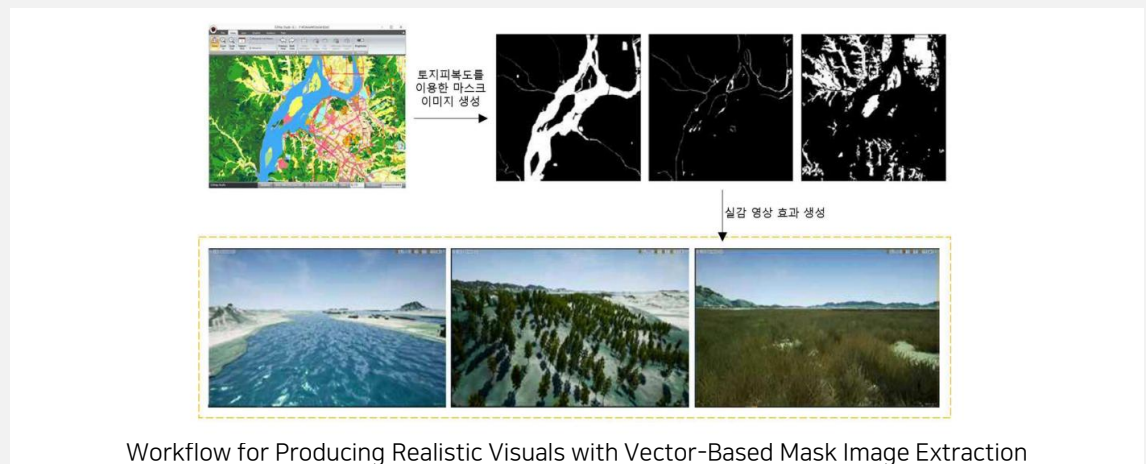
## Patent

### Drone Simulation System Incorporating Realistic Visuals

(10-2410870)



This invention relates to a drone simulator system with immersive visuals. More specifically, unlike conventional simulators that generate terrain using only aerial imagery and DEM, the proposed system utilizes a wide range of spatial data—including aerial photographs, digital elevation models (DEMs), land cover maps, and building models provided by public institutions—to construct highly realistic environments. As a result, it enables the production of a drone simulation system capable of delivering visually immersive and realistic simulator imagery.



Workflow for Producing Realistic Visuals with Vector-Based Mask Image Extraction

# IV. Intellectual Property & Others

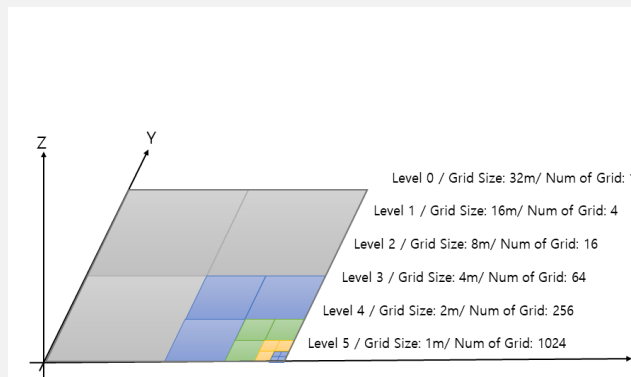
## Patent

Construction Technique for a Geospatial-Based Safe Flight Map for UAVs

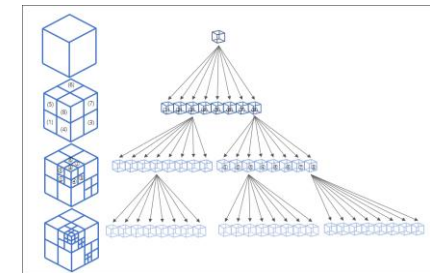
(10-2399293)



A geospatial information-based method for constructing a drone safe flight map using an octree-structured 3D grid. This approach enhances flight safety while minimizing unnecessary path searches during route planning.



Generation of Planar Grid Map



Generation of a 3D Voxel Grid Map

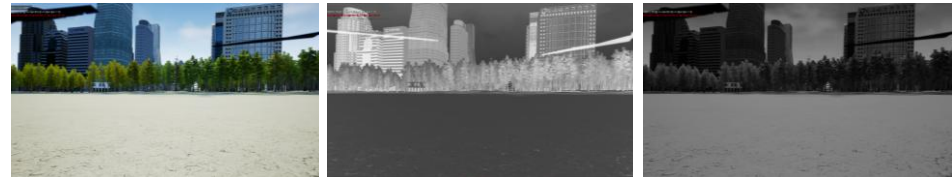
# IV. Intellectual Property & Others

## Patent

A Method for Simulating EO/IR Imagery for Drone Tactical Training Using a Live, Virtual, and Constructive (LVC) Framework (10-2471842)



The present invention relates to an EO (Electro-Optical) / IR (Infrared Ray) image simulation method for drone tactical training based on LVC (Live, Virtual, Constructive). More specifically, it provides a virtual environment modeled after real-world conditions, where EO/IR sensor camera imagery is realistically depicted, enabling trainees to experience and train in an environment that closely resembles actual drone operations using EO/IR cameras.



Simulation of Daytime EO and IR Imagery via Image Mode Switching / Simulation of Full Image Mode Transition



Simulation of Switching to a New Camera View Mode

# IV. Intellectual Property & Others

## Patent

Method for Automating High-Precision 3D Data Conversion for Building Virtual Environments

(10-2429652)



The present invention relates to an automated high-precision 3D data conversion method for virtual environment construction. More specifically, it provides a method that enables automatic transformation of virtual environments in a drone simulator by utilizing spatial data provided by public institutions through a virtual environment generation tool.



# V. Key Achievements by Year

## 2024

- 2024 Road Guidance Data Construction and Maintenance **Kakao Mobility**
- 2024 Firearm Location Information System Maintenance and Management Project **Korean National Police Agency**
- 2024-2025 Air Force AFCCS Maintenance Service - SW **Republic of Korea Air Force**
- 2024 Defense Command Communication Headquarters KJCCS Integrated Maintenance Service Project **Defense Command & Communication Command**
- OOOO Information System Maintenance Service **Counterintelligence Command**
- 2024 Defense Command Communication Headquarters KJCCS Integrated Maintenance Service Project **Defense Command & Communication Command**
- (2024-2025) Situation Map Functionality Enhancement
- (24G020-H) Special Information Classified Handling Authorization System Construction **3707th Unit, Republic of Korea Armed Forces**
- Autonomous Patrol Unit Management and Operation System Development Project **Korean National Police Agency**
- 2024 Crime Risk Prediction and Analysis System Maintenance Project **Korean National Police Agency**
- 2024 Police Aviation Operations System Maintenance Project **Korean National Police Agency**
- [Development] Manned/Unmanned Cooperative Intelligent Battle Command and Control Technology - Map Engine Contract **DAPA**
- [Development] 3D Map-Based Wide-Area Route Planning Technology, Multi-Map Generation Software, and Integrated Processing Simulation Software, etc. **DAPA**

## 2023

- Mission Planning Communication Survivability Map Generation Technology and Map Processing Display Software Development **DAPA**
- Security Service Management System Advancement Project **NPA**
- 2023 Firearms and Explosives Safety Management System Maintenance **NPA**
- Firearm Location Information System Maintenance Project **DAPA**
- 2023 Cadet Academic Management Integrated System Server Replacement Project (Leased Equipment) **MND Financial Management Corps**
- Minor Offense Fine Online Inquiry and Payment System Construction Project **NPA**
- Counterintelligence Command K-RMF Security Evaluation Equipment Procurement Project - Equipment Delivery **DAPA**
- [Development] Unmanned Reconnaissance Vehicle System Development **DAPA**
- 2023 Road Guidance Data Construction and Maintenance **Kakao Mobility**

## 2022

- 2022-2023 JFOS-K Integrated Maintenance Service Project **Defense Command & Communication Command**
- 2022 Joint Intelligence Simulation Model Maintenance **Joint Chiefs of Staff**
- Development of Real-Time Automated Mission Execution Modification Technology Based on Battlefield Information **ADD**
- Geospatial Information Cloud-Based Real-World Realization Technology - (Integrated Situation Display) **ADD**
- Defense Integrated Disaster Management Information System Development Project **Defense Information Systems Agency**
- Development of Autonomous Amphibious Equipment Crossing Decision Support System **DAPA**
- 2022-2023 Air Force AFCCS Software Maintenance Project **Air Force Operations Command**
- [2020 Defense Project] Minor Performance Improvement of AKJCCS and KJCCS - Situation Map Solution Customization **DAPA**

## 2021

- Combat 21 Model 3rd Equipment Replacement Project **Education Command**
- 2020-2021 JFOS-K Integrated Maintenance Service **Defense Command & Communication Command**
- Explosive Ordnance Detection and Removal Robot System Development **ADD**
- 2021 Joint Intelligence Simulation Model Maintenance **Joint Chiefs of Staff**
- Defense Transportation Information System Advancement Project **Transportation Command**
- Cheonjabong Model Situation Map (Map) Solution Delivery **Republic of Korea Marine Corps**
- 2021 Air Force Independent Network Cyber Defense System Replacement Project (Leased Equipment) **Republic of Korea Air Force Headquarters**
- Combined Military Intelligence Processing System (MIMS-C) Performance Improvement Project **Joint Chiefs of Staff**
- Chang-gong Model Performance Improvement System Development **Air Force Operations Command**
- Police Civil Service Portal Advancement and Mobile Service Construction (Research Service) **NPA**
- 2021 Firearms and Explosives Safety Management System Maintenance Project **NPA**
- Agency for Defense Development Multi-Source Image Fusion Processing System Development Project **ADD**
- Operational Sustainment Support Model Introduction Project (GoonInMap 3.2 Enterprise) **Education Command**
- Combined Military Intelligence Processing System (MIMS-C) **Joint Chiefs of Staff**
- Army Synthetic Battlefield Training System (Build-I) System Development Project **DAPA**

# V. Key Achievements by Year

## 2020

• 2020 Joint Intelligence Simulation Model Maintenance Service	<b>Joint Chiefs of Staff</b>
• 2020-2021 JFOS-K System Integrated Maintenance Service	<b>Defense Command &amp; Communication Command</b>
• KF-X Integrated Training Management System (HW/Commercial SW) Delivery	<b>KAI</b>
• 2020 Firearms and Explosives Safety Management System Maintenance	<b>NPA</b>
• Firearms and Explosives Safety Management System Advancement	<b>NPA</b>
• 2020-2021 Air Force AFCCS Software Maintenance Service	<b>Air Force Operations Headquarters</b>
• Defense Command Communication Headquarters Joint Spectrum Management System (JSMS) Server Replacement	<b>Defense Command &amp; Communication Command</b>
• Armed Forces Cyber Command Infrastructure Operation Environment Improvement Project	<b>Cyber Operations Command</b>
• Combat 21 Model 3rd Equipment Replacement Project	<b>Education Command</b>

## 2019

• 2019 Firearms and Explosives Safety Management System Maintenance	<b>NPA</b>
• Report Creation and Distribution System ISP Establishment Service	<b>3707th Unit, Republic of Korea Armed Forces</b>
• M&S Operational Support for Alternative Analysis	<b>KIDA</b>
• Simulator Virtual Environment Driving Information Generation	<b>ADD</b>
• 2019 KT Enterprise-wide IT Asset Integrated Maintenance (Comprehensive SW/General Security)	<b>KT Corporation</b>
• Automated Warehouse Management System Main Computer Replacement	<b>Comprehensive Supply Depot</b>
• Unmanned Reconnaissance Vehicle Mapping Development Research	<b>ADD</b>
• Joint Fire Simulator Mass Production Project	<b>DAPA</b>
• Information Management System Development	<b>3707th Unit, Republic of Korea Armed Forces</b>
• Army Synthetic Battlefield Training System Exploratory Development	<b>ADD</b>

## 2018

• 2018-2019 JFOS-K System Maintenance Service	<b>Defense Command &amp; Communication Command</b>
• 2018 Restricted Vehicle Internet Operation Permit System Maintenance Service	<b>MOLIT</b>
• Medical Command DMSIS (Defense Medical Service Information System)	<b>Medical Command</b>
• Urban Combat Damage Assessment	<b>ADD</b>
• Model Operation (3 Simulation Models)	<b>KIDA</b>

## 2017

• 2017 JFOS-K System Maintenance Service	<b>Defense Command &amp; Communication Command</b>
• 2017 Restricted Vehicle Internet Operation Permit System Maintenance Service	<b>MOLIT</b>
• Vibrio Septicemia Bacteria Modeling Prediction System Construction	<b>Ministry of Food and Drug Safety (MFDS)</b>
• Dynamic Spectrum Analysis and Operational Application Tool Development	<b>ADD</b>

## 2016

• 2016 JFOS-K Integrated Maintenance Service Project	<b>Defense Command &amp; Communication Command</b>
• Research on Integration of All-Source Electronic Information and Visualization of Enemy Threats	<b>Republic of Korea Air Force Headquarters</b>
• K9 Driver Simulator 3D Modeling Database Construction	<b>DAPA</b>
• 2016 Restricted Vehicle Internet Operation Permit System Maintenance Service	<b>MOLIT</b>

# V. Key Achievements by Year

## 2015

- Air Weapon Effects Analysis Model System Development
- Unmanned Driving Information Construction and Extraction Engine Development
- 2015 ATCS Development Software Function Improvement Project
- Joint Fire Simulator System Development
- 2015 Restricted Vehicle Internet Operation Permit System Maintenance Service

DAPA  
ADD  
Army Identity Corps  
DAPA  
MOLIT

## 2012

- Antarctic Surveying and Mapping Project Web System Development
- Digital Situation Map Revision <Version 3.0> Outsourcing Service
- Restricted Vehicle Operation Permit System GIS Engine Update and Tile Map Production
- Integrated Situation Map and Mission Route Support Map
- Army Headquarters Disaster Information Management System GoonInMap Delivery
- Combat Service Support Operation Analysis Model Development
- Counter-Fire Simulation Model System Development
- Multi-Robot Integration/Operation Control Technology Project 3D Situation Map

NGII  
KIDA  
MLTM  
ADD  
Army Identity Corps, Republic of Korea Army Headquarters  
Republic of Korea Army Education Command  
DAPA  
ADD

## 2014

- Joint Intelligence Simulation Model System Development (Situation Map, UAV)
- Navy Combat Service Support Model System Development
- Civil-Military Operations Simulation Model Development
- Marine Corps Wartime Resource Calculation Model Development Service
- Ground Weapon Effects Analysis Model Maintenance

DAPA  
Republic of Korea Navy Headquarters  
DAPA  
DAPA  
KIDA

## 2013

- Common Operational Situation Map Display Improvement Research Service
- Army Realistic Scientific Training Control System Development and GoonInMap Delivery
- Mobility Database Construction for Off-Road Driving
- Multi-function Command Console Simulation Equipment Type CBT Electronic Chart Integration
- Combat 21 Model Situation Map
- Combat Command Training Model Automatic Conversion System Construction

Defense Geospatial Information Agency  
Republic of Korea Army Headquarters  
ADD  
Republic of Korea Navy Headquarters  
Republic of Korea Army Education Command  
Republic of Korea Army Education Command

## 2011

- JFOS-K (Korean Joint Fire Operation System)
- Military Police Investigation Evidence Management System Development
- Spatial Information Reference System Construction Project
- Antarctic Surveying and Mapping Project Web System Development
- Training Command GoonInMap Additional Delivery
- Taeguk JOS Model Situation Map Improvement and CBT Program Development
- Naval Vessel Tactical Training System Electronic Chart Display Component Development
- Mobile-Based Soil Environment Information Service Development

DAPA  
Republic of Korea Army Headquarters  
Hanyang GST  
NGII  
Education Command  
Simnet  
Simnet  
RDA

# V. Key Achievements by Year

## 2010

- Restricted Vehicle Operation Permit System Advancement and Operation
- Combined Forces Command Situation Map (GoonInMap) Delivery
- Joint Chiefs of Staff Situation Map (GoonInMap) Delivery
- Corps UAV (Unmanned Aerial Vehicle) Integrated Training System (Sensor Imagery)
- Corps UAV (Unmanned Aerial Vehicle) Integrated Training System (Terrain Target CBT)
- GIS Engine Supply for UMS (Unified Management System)
- Changjo 9th Computer Equipment (GoonInMap) Delivery

**MLTM**  
**Joint Chiefs of Staff**  
**Joint Chiefs of Staff**  
**Army Intelligence School**  
**Army Intelligence School**  
**Seongnam City Hall**  
**Education Command**

## 2008

- Traffic Status Analysis Program Development
- Cheongju City Aerial Photograph Management System Development
- Paju U-City Web-Based Traffic Facility Management Support Service Construction
- Traffic Safety Information Management System Development
- 3rd Phase Construction of Traffic Safety Information Management System
- MediaMap WEB/WAP GIS Integrated Platform Development
- FDB-Based Situation Map/Attribute Map Generation Software Development for Autonomous Driving
- 2D/3D Navigation Data Authoring Tool Development
- 2D/3D Navigation Map Engine Development
- Endclean.com Web Service Traffic Part Development
- Dongtan New City BIS (Bus Information System) Web Service Construction
- Participation in ○ ○ Wargame Integrated Research
- Ennavi Service Advancement
- Terrain Data Extraction Program Development for Wargames
- RP (Role-Playing) Server Development
- Hwarang Model Vector Map Conversion Project
- GIS Server Construction

**KOTI**  
**Cheongju City**  
**Paju City**  
**Korea Road Traffic Authority**  
**Korea Transportation Safety Authority**  
**SK OK Cashbag Service Co., Ltd.**  
**ADD**  
**SK OK Cashbag Service Co., Ltd.**  
**SK OK Cashbag Service Co., Ltd.**  
**SK OK Cashbag Service Co., Ltd.**  
**Hwaseong City**  
**Republic of Korea Army Education Command**  
**SK OK Cashbag Service Co., Ltd.**  
**Joint Chiefs of Staff**  
**KICT**  
**Republic of Korea Army Education Command**  
**SK OK Cashbag Service Co., Ltd.**

## 2009

- Military Police Integrated Geospatial Information Service System Development
- Defense Battlefield M&S (Modeling and Simulation) Standard Data Framework Construction
- Application of Latest Military Digital Standard Digital Terrain Information Situation Map
- Application of Road and Terrain Information Situation Map for Ochang Science and Industrial Complex
- Integrated Management System for Noise and Vibration Monitoring Network
- Daejeon Metropolitan City Urban Planning Information System Database Construction
- GIS Web Engine Development for PDA (Personal Digital Assistant)
- Information System Construction (Photo and Spatial Data Management System)
- Building Classification System and Facility Management System Construction for Pangyo U-City
- Administrative Boundary Database Construction
- Defense Battlefield M&S Standard Data Framework Construction
- Bucheon University Facility Control and Management System
- Paju U-City GoonInMap Delivery

**Army Headquarters Military Police Central Investigation Unit**  
**Republic of Korea Army Headquarters**  
**Republic of Korea Army Education Command**  
**Cheongwon County**  
**Ministry of Environment**  
**Daejeon Metropolitan City**  
**Pangyo U-City**  
**Seoul Institute**  
**Kumho Construction**  
**ERGO Daum Direct Auto Insurance**  
**KIDA**  
**Bucheon University**  
**Paju City**

## 2007

- GIS General-Purpose Engine Development
- 2D/3D Navigation Viewing Engine Development
- Haengbok City Cheotmaeul Project Urban Informatization Design
- Web GIS Engine Development

LH