SUPERMAP COMMUNICATIONS

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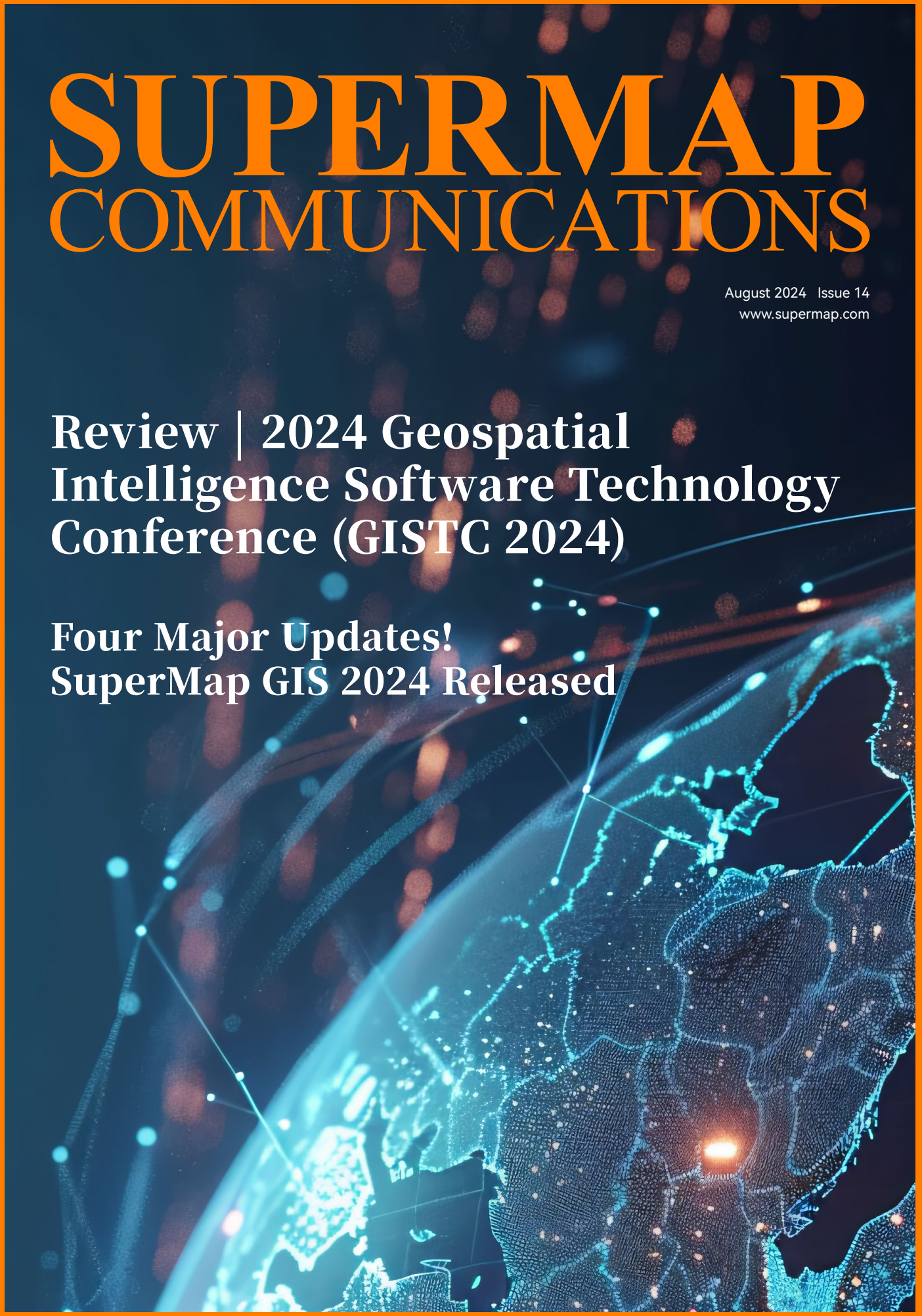
Review | 2024 Geospatial Intelligence Software Technology Conference (GISTC 2024)

Four Major Updates! SuperMap GIS 2024 Released



Who is SuperMap?

SuperMap was founded in 1997, is a platform software and application software manufacturer focusing on Geographic Information Software (generalized GIS) and Geospatial Intelligence (GI), and a key player in Information Technology Application Innovation Industry, Spatio-Temporal Big Data, Artificial Intelligence, and Virtual Reality. It consists of SuperMap Software (parent company, stock code: 300036), wholly-owned subsidiaries, and holding subsidiaries, as well as domestic branch offices and agencies. In 2022, the total staff number of SuperMapis more than 4,000.

1997
Founded

How has SuperMap performed so far?

Together with more than 3,000 Independent Software Vendor (ISV) partners and hundreds of thousands of developers, SuperMap empowers the informatization of governments and enterprises in nearly 100 industries. It has developed distributors and partners in over 50 countries and SuperMap GIS end users in over 100 countries. Now, SuperMap ranks 1st in the GIS software market in Asia and 2nd globally.

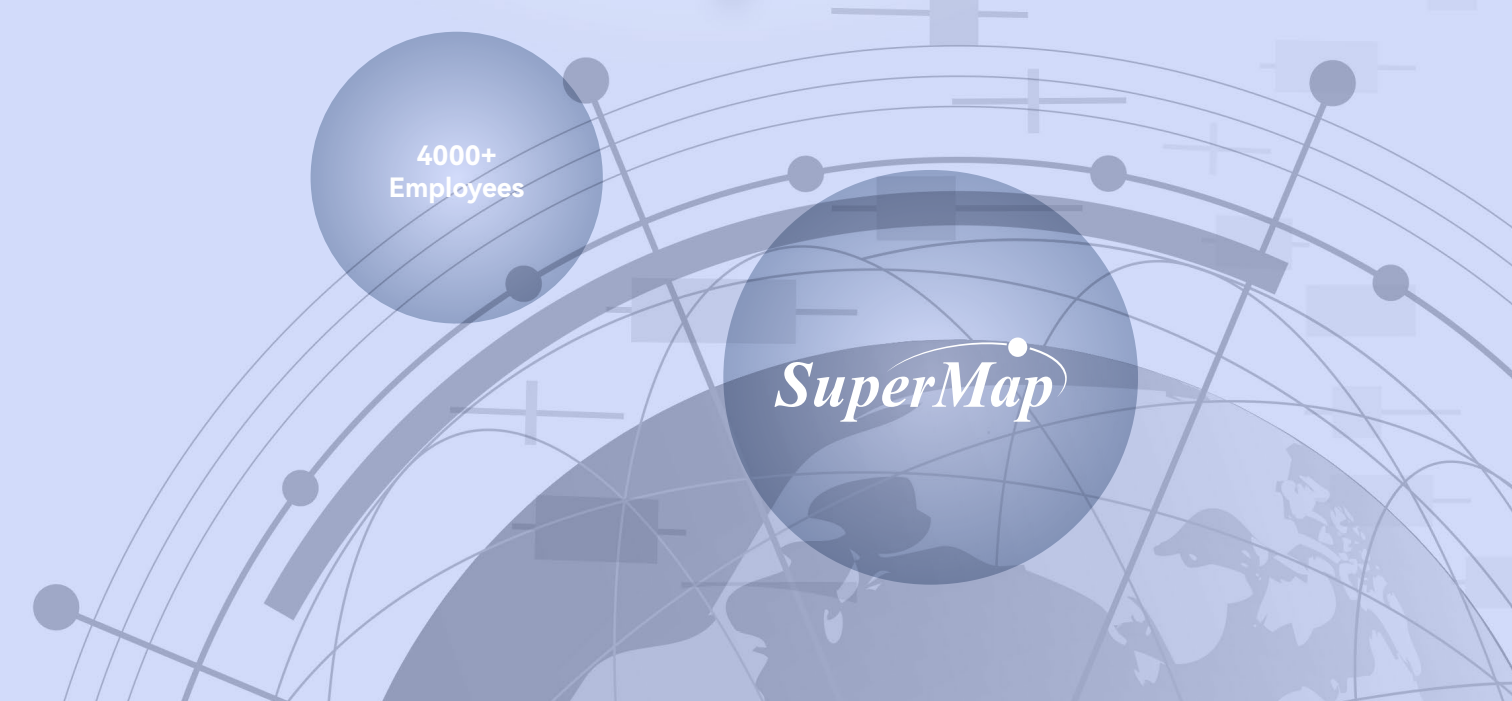
100+
Countries'
Users

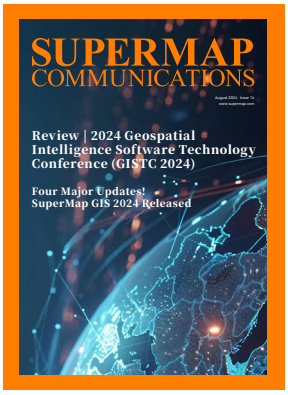
What will SuperMap be?

With “Innovate Geospatial Intelligence, Elevate IT Value” as the mission and “Light up Every Corner of the World with Geospatial Intelligence” as the vision, SuperMap will keep providing advanced GIS technologies and products to more global users.

1000+
Partners

4000+
Employees





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FOCUS

Technology Corner

Review | 2024 Geospatial Intelligence Software Technology Conference (GISTC 2024)

Currently, the new quality productive forces featuring innovation are transforming the ways of economic growth and the paths of productivity development. Geospatial intelligence is the base for informatization of various industries in economy and society, and has been deeply applied to natural resource governance, urban operation management, social governance and other fields, which make it an important engine for new quality productive forces that boosts digital transformation.

On June 25, the 2024 Geospatial Intelligence Software Technology Conference (GISTC 2024) commenced at the China National Convention Center in Beijing, China. With the theme "Geospatial Intelligence Driving Quality Development," the two-day conference welcomed government leaders, academicians, experts, and business representatives worldwide. They exchanged ideas on breakthroughs in geospatial software technologies and explored future trends and applications.

Plenary Conference (June 25th)

At the plenary conference, leaders from national ministries and commissions, representatives from businesses and universities, and professionals from more than 30 overseas countries in GIS and related industries gathered in the venue to discuss the breakthroughs in and new applications of the geospatial intelligence software technology. Centering around upgrades in fundamental surveying and mapping system, digital twin water conservancy, values of data elements, digital housing and other topics, they explored new ideas and plans for digital transformation in various industries.

01 Speech by Dr. Diane Dumahsie

Dr. Diane Dumashie, President of the International Federation of Surveyors (FIG), delivered an opening remarks at the plenary session. In her speech, she noted that, “as we face unprecedented global planetary challenges from climate change, rapid urbanization, resource management and increasingly responding and managing climatic induced disasters, the role of geospatial intelligence has never been more critical. Our professional ability to collect, analyze and interpret geospatial data is essential for informed decision making, effective policy implementation and the creating of resilient and sustainable communities. Arguably we are‘just-in-time’ to discuss the technologies and developments in geospatial intelligence.

FIG and its more than 115 country members throughout the world representing more than 330,000 surveyors from the land, built environment and natural resources worldwide. We are committed to promoting the highest standards of professionalism, ethics and collaboration in the survey and geospatial community.”

**The interview with Dr. Diane Dumashie is available at https://bit.ly/3WvZX1i*

02 Signing Ceremony for Cooperation Between Huawei and SuperMap

During the plenary session, SuperMap, a leading GIS platform manufacturer, and Huawei held a signing ceremony to formalize their future cooperation. The partnership will focus on three areas: large geospatial AI models, geospatial agents, and the integration of Kunpeng + Ascend + SuperMap all-in-one machines. This collaboration aims to bring innovations to geospatial intelligence software technology and applications and accelerate the incubation and implementation of industry results.

03 SuperMap GIS 2024, New Series of Products

At the plenary conference, SuperMap also officially released the latest version of its GIS products, SuperMap GIS 2024. The new product integrates several advanced functions in geospatial AI and introduces the Geospatial AI Technology Foundation (SuperMap AIF) to support platform software and application development. This foundation offers diverse models and features cross-platform and local deployment. It provides AI 3D data processing and analysis, AI remote sensing image processing, AI spatial analysis, AI image and video analysis, AI image generation, AI knowledge generation, and geospatial intelligent agents, enhancing SuperMap's platform software products and industry applications.

More features will be introduced in the subsequent article:
Four Major Updates! SuperMap GIS 2024 Released (P24).

04 Experts Dialogue

The conference also specially set up an "experts dialogue" session. Centering around the topic of spatio-temporal data, speakers had heated discussions, and exchanged ideas of the broad prospects of spatio-temporal data and its values, as well as the role of geospatial intelligence software in the mining of spatio-temporal data.

GIS International Forum (June 26th)

On June 26, the GIS International Forum continued the dynamic atmosphere of the plenary session. Approximately 120 global guests from 30 countries gathered to discuss the latest developments and application cases from their respective regions. Dr. Diane Dumashie delivered a keynote speech titled "FIG Vision Toward 2030: Partnership in Geospatial Working".

Agenda

** All the report videos are available at SuperMap's Youtube channel: SuperMap GIS. Welcome to watch the replay.*

Host

Wang Tao, Chair of the ICA Commission on Education and Training, Professor at the Capital Normal University

Opening Speech

Wang Haitao, Vice President of SuperMap, President of SuperMap International

Keynote Speech
FIG Vision Toward 2030: Partnership in Geospatial Working

Dr. Diane Dumashie, President of International Federation of Surveyors (FIG)

From Natural Resources Monitoring to SDGs Measuring — A Perspective of China

Yan Qin, President of the Chinese Academy of Surveying and Mapping

New Generation 3D GIS Technology Empowering Digital Transformation

Li Meng, General Manager of 3D R&D Team of the Platform Product Line, SuperMap

Forest Big Data Platform

Kyungsoo Yoo (South Korea), Director of Sales, SPH

Experiences and Reflections on Market Expansion in the Philippines

Kevin Martin N Cornejo (the Philippines), Business Development of SuperMap Philippines

Smart City and Digital Twin for a Local Government Unit (LGU) in the Philippines — A Pioneering Solution

Jahdiel C. Gonzales (the Philippines), Municipal Assessor, Municipality of Angat

City Data Connext: Platform for Smart City Development for Local Government Organizations

Wathinee Kaewzaikird (Thailand), COO of Piramid Solutions

Development of a Digital Twin for the Management of Teaching and Learning to Become Mahasarakham Smart University

Tarawut Boonlua (Thailand), Head of Research and Development Unit for Smart City (RDSC), Faculty of Architecture, Urban Design and Creative Arts Mahasarakham University, Thailand

The Construction of 3D Real Scene with New Fundamental Surveying and Mapping Technology

Hu Chenpu, General Manager of Product Engineer, SuperMap International

The Role of the Geospatial Technologies in Environmental Science in Uzbekistan: Problems and Solutions

Bakhtiyor Pulatov (Uzbekistan), Director of Research Institute of Environment and Nature Conservation Technologies (RIENCT)

Online Report
Application of Geospatial Technologies to Develop Public Land Inventory in Kenya

Reginald Okumu (Kenya), Commissioner of Kenya Land Commission

Overview of DRSRS Programs and Sectorial Support for Enhanced Service Delivery

Vincent Imala (Kenya), Deputy Director of Directorate of Resource Surveys & Remote Sensing (DRSRS)

Malaysia's Local Governance: Implementation of Geospatial Technology for Sustainable Development

Abdul Wafey bin Mohd Aripin (Malaysia), GIS Business Consultant of SmartMap Insights Sdn Bhd

Utilization of SuperMap Technologies in BINUS' Multidisciplinary Research Interest Group (RIG) for Student Enrichment Programme

Fabian Surya Pramudya (Indonesia), Assistant Professor of Mathematics Department, The School of Computer Science, BINUS

Status and Prospects of Geospatial Industry in Serbia — A Perspective of MapSoft and SuperMap

Zeliko Cviietinovič (Serbia), Co-founder of Mapsoft

The Power of GIS in Emergency Management

Roberto Luigui Gómez Sánchez, Emmanuel Bautista Montiel, Martin Fuentes Blanco (Mexico)
Soluciones Sig

Award Ceremony

The forum also included an award ceremony to honor SuperMap's partners for their dedication. Partners from Korea, the Philippines, Uzbekistan, Serbia, Thailand, Kenya, and Mexico were awarded the Best Innovative Partner 2024, the Most Promising Partner 2024, and the Best Education Partner 2024, respectively.

The Best Innovative Partner 2024

SPH Story Place & Human
Geomatics Company MapSoft

The Most Promising Partner 2024

IGIT, Ltd.
RASA Surveying and Realty
Department of Resource Surveys and Remote Sensing (DRSRS)
Soluciones SIG

The Best Education Partner 2024

Tashkent Institute of Irrigation and Agricultural Mechanization Engineers
Research and Development Unit for Smart City Solution (RDSC)

Signing Ceremony

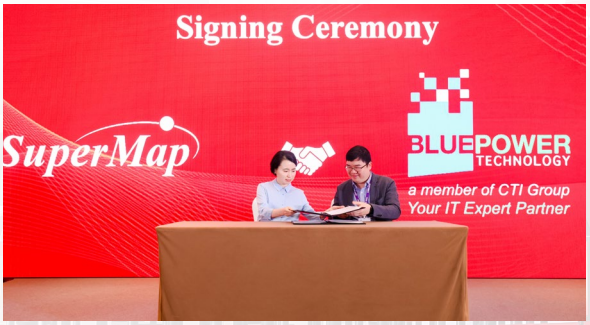
During the GIS International Forum, SuperMap also held a signing ceremony for partnership with two organizations.

MoU with PT. Blue Power Technology (BPT)

PT. Blue Power Technology (BPT) is a leading IT distributor in Indonesia founded in 2011. At the GIS International Forum, Mr. Erwin Urip, CEO of PT. Blue Power Technology and Evelyn Sun, General Manager of the Asia and Oceania Center, SuperMap International signed the MoU representing two parties respectively. In the future, the two parties will conduct marketing activities together in Indonesia.

MoU with Bina Nusantara University

SuperMap and Bina Nusantara University (BINUS) has cooperated for years. Seizing the chance presented by GISTC 2024, the two parties updated their agreement. Looking forward, SuperMap and BINUS will join force in building joint laboratory and talents training, advancing long-term development of GIS and related industries in Indonesia.



480+ Media Reports

on 2024 Geospatial Intelligence Software Technology Conference in multiple languages including English, French, Thai, and Spanish.

"El pasado 25 de junio tuvo lugar la Conferencia de Tecnología de Software de Inteligencia Geoespacial 2024 (GISTC 2024) en el Centro Nacional de Convenciones de China, en Beijing (y de la que Nosolosig fue media partner destacado). Bajo el lema "La inteligencia geoespacial impulsa el desarrollo de calidad", esta conferencia de dos días reunió a líderes gubernamentales, académicos, expertos y representantes empresariales de todo el mundo.

—From Nosolosig

"지난 6 월 25-26 일 양일간 중국 베이징에서 <2024 SuperMap GISTC in Beijing> 컨퍼런스가 개최되었습니다 . GISTC 는 Geospatial Intelligence Software Conference 의 약자로 글로벌 GIS 시장 점유율 3 위 , 아시아 GIS 점유율 1 위를 자랑하고 있는 SuperMap 이 주최하는 행사입니다 . 매년 지리 공간 산업에 큰 영향력을 행사하고 있는 글로벌 GIS 컨퍼런스로서 무려 6,200 명 (!) 이상의 참가자와 300 여 개 이상의 기업이 참여했다고 하는데요 !"

—From SPH

"รองศาสตราจารย์ ดร.ธราวุฒิ บุญเหลือ หัวหน้าหน่วยวิจัยและพัฒนาสู่เมืองอัจฉริยะ (RDSC) คณะสถาปัตยกรรมศาสตร์ ผังเมืองและนฤมิตศิลป์ มหาวิทยาลัยมหาสารคาม เป็นผู้แทนมหาวิทยาลัยมหาสารคาม ร่วมนำเสนอผลงานวิชาการเรื่อง "Development of a Digital Twin for the Management of Teaching and Learning to become Mahasarakham Smart University, Thailand" ในงานประชุมวิชาการ 2024 GEOSPATIAL INTELLEGENCE SOFTWARE TECHNOLOGY CONFERENCE ที่จัดขึ้นระหว่างวันที่ 25-26 มิถุนายน 2567 ณ China Nataional Convention Center, Beijing"

—From official website of Mahasarakham University

"Song Guanfu, director of the Geographic Information System Technology Centre at the Ministry of Natural Resources of China and chairman of SuperMap, introduced the upgraded AI GIS technology during GISTC 2024. Based on the original BitDC system (Big Data GIS, AI GIS, 3D GIS, Distributed GIS, and Cross-Platform GIS), SuperMap has advanced the AI GIS to geospatial AI technology, integrated remote sensing software, and upgraded other core technologies."

—From GIM International

"Another example is the "spatial planning AI drawing" function. The AI drawing system based on the SuperMap AIF includes various constraints to assist in drawing.

Spatial planning workers can use "line draft constraints" to maintain the line draft structure, "outline constraints" to maintain the building outline, and "partial redrawing" to change the appearance of a building on the planning map.

The system also includes "multiple preset drawing styles" to provide different perspectives, dimensions, and styles of planning drawings. Entering a sketch of the general planning plan can yield a color general planning plan, significantly improving work efficiency."

—From Geospatial World

Partner Interview

During the interval of GIS International Forum, we got the chance to talk with some of the speakers who are also SuperMap's global partners about their feelings of the conference as well as their experiences in working with SuperMap.

Smart Angat: Enhancing Municipal Services with GIS in the Philippines

Engr. Jahdiel C. Gonzales is the Municipal Assessor of the Municipality of Angat, Bulacan in the Philippines. He is a registered electrical engineer by profession. He is also about to finish his real estate broker graduate studies which would help further his career in the public service.

▣ ***Okay, how do you feel about the conference?***

It feels great. It gives me more ideas about the GIS about how we can integrate it for our public service as a public servant in local government unit, and also to be more efficient in our work in our municipality.

And I' m impressed by the reports, especially SuperMap 3D animation of a building, the visuals of a building. You can have a clear idea about what's inside in the building. I think that's nice.

▣ ***I see, you are working with SuperMap and géorasa, SuperMap' s partner on a smart city project, can you let us know why there is a need for smart city construction in Angat?***

Yes, our local chief executive, our mayor, Honorable Reynante Bautista is really eager for digitization for every service in our municipality for better services to the public. He wants to update our tax and business mapping system to improve the revenue collection. This will help advance our budget for the future development and projects that he wants to have in our municipality to make the life of our constituents much better. And he also wants to improve the disaster resiliency of our municipality by using the GIS to anticipate the possible scenario in a given situation.

For example, we have the outdated section mapping or the tax mapping, so there is a big land parcel and maybe 10 to 20 years ago they were subdivided, but right now in our data, it's still whole, so the revenue on that property

is lacking. As a result, there are some delinquencies on the tax that the government can have. Therefore, it is very important for us to update and use the GIS to assist decision-making for the municipality.

▣ ***So generally, how is the Philippines doing in smart city construction?***

I think smart cities in the Philippines is right now not a very popular project because some LGUs is budget-constrained. That's the very reason why there's no plan to have this project. But right now, some local chief executives start to turn to such projects in order to have a better planning system for the municipalities or cities.

▣ ***Can you give us a brief introduction about the cooperation project?***

The project is called Smart Angat. It is a smart city system in which it provides a platform to integrate and organize different types of data including the updated building footprints from the satellite image, field survey data, land-use maps, tax maps, and geo-hazard maps. Smart Angat will help in more effective decision-making process for the government officials of Angat.

Smart Angat will not only improve decision-making processes and resources management, but is also expected to contribute to raising revenue generation for the municipality, and thus, the ability to provide more services to the citizens.

▣ ***Okay. What are your feelings in working with SuperMap during the project?***

I think the people behind that, the SuperMap and the géorasa are very professional in terms of doing the project, communication and especially in the technical aspect, so we are excited to finish the product of the project once the dashboard and the query application is

already fully operational.

▣ ***I heard that the project is at the initial stage, right? You are inputting the data for display. What's the next stage?***

We already talked about the phase 2. The government mandated us to have the what we call the CLUP or the Comprehensive Land Use Plan which tackles all the locational clearance, the zoning clearance, the classification of the land, what is the purpose of this parcel of land, if it is residential, commercial, industrial or for agricultural purposes.

So, with the help of SuperMap GIS technologies and products, I think we can update our CLUP by the coming years.

▣ ***Technically, what do you think GIS can do for the digitization of management?***

I think GIS will help us to have a better tax mapping system, the business permit and licensing system. Like I said before, we have the clear application for the taxpayers so they have the means to pay their tax because in the Philippines, if you don't pay the particular tax for a land or improvement for the first quarter of the year, you have a penalty for 2% every month, which is heavy, so it's very important for us to build better and more intelligent systems.

Empowering Kenya: Geospatial Innovations Assist DRSRS in Natural Resource Management

About DRSRS:

The Directorate of Resource Surveys & Remote Sensing (DRSRS) was established in 1976 as a response to answering environmental concerns that were raised in the 1972 Stockholm Conference which created the United Nations Environmental Program (UNEP). It was later elevated to a fully-fledged department in 1984 owing to its expanded mandate and strategic positioning. The Directorate is domiciled at the Executive office of the President, Chief of Staff and Head of the Public Service, and deploys modern remote sensing & GIS technologies in management of resources across the Country.

Mr. Vincent Imala is the Deputy Director of DRSRS.

▣ ***I heard that you held the workshop with SuperMap last year. Can you introduce about it?***

Yes. I think that was the very first collaboration between DRSRS and SuperMap. Our first objective was actually to have a joint workshop between DRSRS and SuperMap. It' s a software solution conference to bring all the government agencies and institutions to one platform so that we could discuss how we can deploy modern geospatial technology in the mapping of resources and the environment in Kenya and also to integrate the top-notch technology from SuperMap.

And it was also one of the most successful conferences so far since the Kenya government is trying to advocate for private partnership in implementation of programs. We had about a hundred participants from government agencies, and the majority of them have reached out to us, trying to see how they can leverage SuperMap GIS technologies and products to improve and enhance their service delivery.

▣ ***So how do you feel about using SuperMap GIS software?***

What I want to say is that personally I have also tested the software and we feel that one of the challenges that we have had in the past, is that we were processing and analyzing remote licensed data separately. SuperMap have tried to integrate as a one-stop analytical solution, where you are able to process remote sensing satellite imagery, and also able to do analysis and extract some data for decision making at the same time.

And another impression I got is that your software, SuperMap software, they are user friendly. During the training, we saw our staff were able to catch up very fast and be able to use the technology in mapping the

resources in the country. That's what motivated us to try SuperMap products.

▣ ***Thank you. You have mentioned the livestock program in your presentation. Can you give us more elaborations?***

Yes. This is actually one of the very pioneering programs by the Directorate of Resource Surveys and Remote Sensing. As I mentioned in my presentation, this is a direction that was established in 1975 and quickly by 1977, the government was already deploying some of the modern remote sensing technology using fixed wing aircraft to fly in the rangeland areas and collect information on wildlife distribution and numbers.

And one of the key applications from that data has been rangeland management and also on wildlife and tourism as Kenya has got an expansive rangeland in the country. The northern part of the country is mostly characterized by rangeland, so the government of Kenya requires a lot of special information to address ecological challenges and also to see how to manage the wildlife as it contributes a lot to the economy of the country in terms of tourism attraction.

▣ ***So how do you think about the values of the technologies in the development of the country, especially in natural resource management or wildlife protection? What kind of values do you think SuperMap can bring in this term?***

I want to say that one thing that we have learned, maybe from the presentations that we have seen at this conference, that SuperMap has developed advanced technological innovations and particularly for smart city, the 3D modelling, which we as a government and also as DRSRS, we would like to see how we can utilize in mapping our resources.

Another thing I want to mention is the rapid technological advancements where you are now handling big data. We are seeing the possibility now for us in handling the volume of data that we have at DRSRS on forest.

And we as a department, of course, we have critical challenges to address. One of them is on forest mapping. This livestock protection program has been running from 1990s as I have explained, and we want to continue because we did our last program in 2018. We'd like to see how to utilize your products in terms of map generation and remote sensing data processing so that we can fill the gap that is there.

▣ ***Great, we really look forward to playing a part and providing SuperMap solutions. Now, is there any other thing that you want to share with us about the conference?***

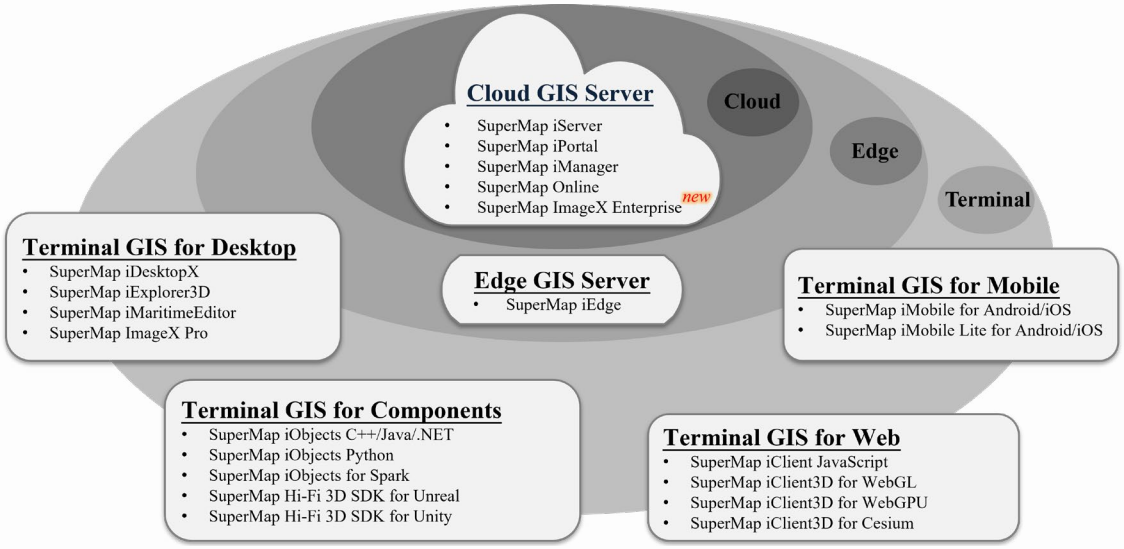
This is actually one of the eye-openers for DRSRS, because we are seeing that there are so many other institutions that have been brought on board during the conference. I think through the collaboration that we have with the SuperMap we have now interacted with other stakeholders in the geospatial industry.

And it also provides new thoughts for us in improving further on our service delivery. We look forward to participating more in these conferences, and also welcoming you back to East Africa and African region.

Products

What is SuperMap GIS

SuperMap GIS is a large-scale package of GIS platform software for 2D and 3D integrated spatial data acquisition, storage, management, analysis, processing, mapping and visualization, as well as a development platform for various industries. After more than 20 years of technological advancement, SuperMap has developed a cloud-edge-terminal integrated SuperMap GIS product architecture, including cloud GIS server, edge GIS server, terminal GIS, and SuperMap Online for online GIS services.



SuperMap GIS 2024 Product Architecture

SuperMap iDesktopX: A full-featured customizable cross-platform desktop GIS software

SuperMap iExplorer3D: An Unreal-based GIS desktop software for 3D scene exploration

SuperMap iMaritimeEditor: A cross-platform desktop software for producing ENCs

SuperMap ImageX Pro: A high-performance cross-platform desktop software for RS images processing

SuperMap iObjects: Full-featured components GIS SDKs

SuperMap Hi-Fi 3D SDKs: GIS-Unity/Unreal-integration components GIS SDKs

SuperMap iClient: An opensource webGIS development platform

SuperMap iClient3D: A web3D GIS development platform

SuperMap iMobile: Native SDKs for mobile GIS

SuperMap iServer: A full-featured application server for cloud GIS

SuperMap iPortal: A portal software for Geospatial data management and sharing

SuperMap iManager: An operation and maintenance management software for cloud GIS

SuperMap iEdge: A server for edge computing GIS

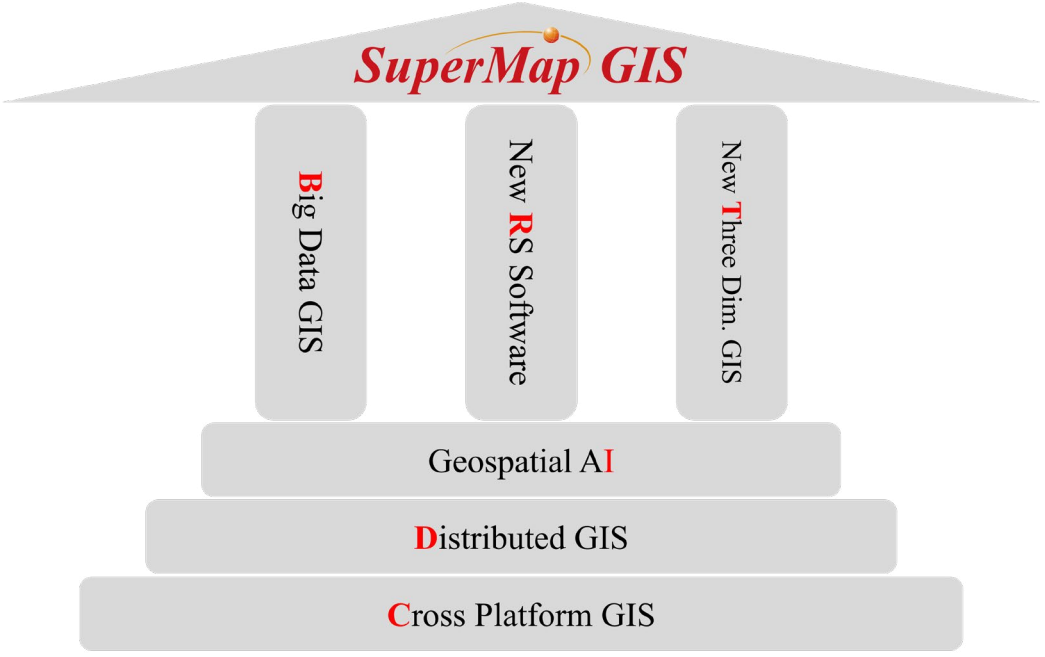
SuperMap ImageX Enterprise: A web-based RS images processing server

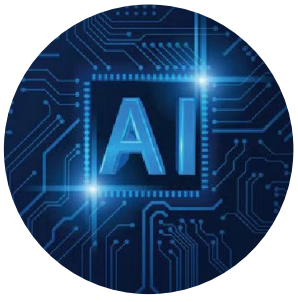
SuperMap Online: An Online GIS platform for services management, application and development

Application Cases

Technologies

In SuperMap GIS 2024, a new remote sensing image processing server software product has been released, enhancing the capabilities of the cloud-edge-terminal GIS product series. This update further innovates the six major technologies system of GIS platform software (BRT-IDC), which include Big Data GIS, New Remote Sensing Software, New 3D GIS, Geospatial AI, Distributed GIS, and Cross Platform GIS technologies. These advancements enrich and revolutionize GIS theories and technologies, empowering digital transformation across various industries.





Four Major Updates! SuperMap GIS 2024 Released

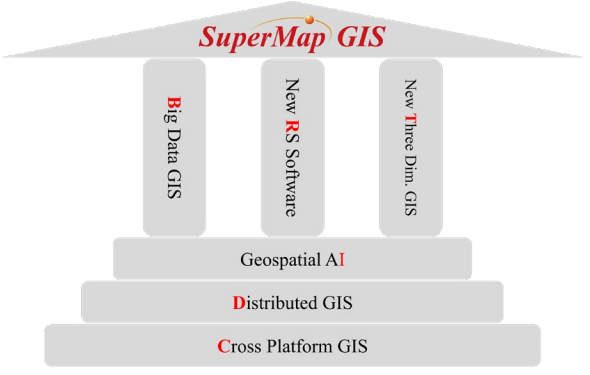
At the plenary session of the 2024 Geospatial Intelligence Software Technology Conference (GISTC 2024) on June 25, SuperMap officially unveiled its new product series - SuperMap GIS 2024. This release marks significant advancements in realism, accuracy, speed, intelligence, and security, with "updates" across multiple levels.

In SuperMap GIS 2024, the GIS platform software technology system has been further innovated. The system, known as BRT-IDC, encompasses big data GIS, a new generation of remote sensing software, 3D GIS, geospatial AI, distributed GIS, and cross-platform GIS technologies. The release also introduces new remote sensing image processing server software and enhanced capabilities for cloud-edge GIS products, enriching GIS theory and technology, and enabling informatization across various industries.

This article explores the new value of these products from four key perspectives: new system, new technology, new products, and new features.

New System: Upgrades in the GIS Platform Software Technology System

SuperMap GIS 2024 brings significant innovations to the GIS platform software technology system. Building on the original Big Data GIS technology, the new generation 3D GIS, distributed GIS, and cross-platform GIS technologies, the original AI GIS technology has evolved into geospatial AI, and a new generation of remote sensing software technology (New RS Software) has been integrated, collectively known as the six major GIS platform software technologies—BRT-IDC.



SuperMap GIS 2024 Technology System (BRT-IDC)

New Generation Remote Sensing Software Technology System

SuperMap GIS 2024 introduces a new generation of remote sensing software technology. This system integrates the world's leading photogrammetry core algorithms and intelligent technologies like remote sensing interpretation with a pre-trained large model (Large Imagery Model LIM). It covers the full process capabilities of remote sensing image data storage, management, production, processing, interpretation, analysis, and visualization.

Key innovations include high computing performance, integration of remote sensing and GIS, cross-platform software, intelligent processing and interpretation, a cloud-native software architecture, and interactive web functionalities. These innovations significantly improve the processing efficiency and interpretation accuracy of remote sensing images, enabling rapid application of remote sensing data products (T+1) across various business scenarios.

Geospatial AI Technology System

Geospatial AI technology integrates artificial intelligence with geographic information software technology. SuperMap GIS 2024 uses geospatial AI as the foundational technology, enhancing functionalities upwards. The SuperMap AIF technology base includes ready-to-use functions and customizable training tools for AI processes, covering 3D data processing and analysis, remote sensing image processing, interpretation, spatial analysis, image/video analysis, and more.

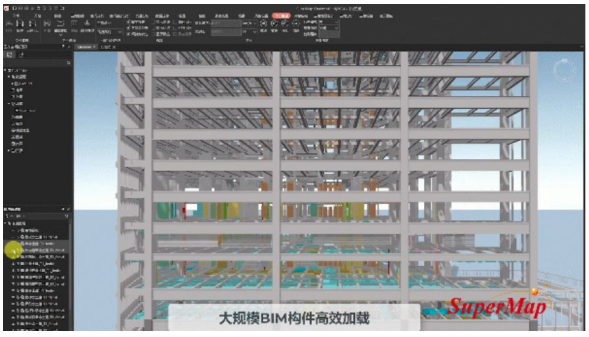
Addressing industry needs in the big model era, the SuperMap AIF technology base incorporates a self-trained remote sensing interpretation pre-trained big model (LIM), an industry extension based on the visual big model SAM (G-SAM), an AI image generation function, an AI knowledge generation function based on a natural language big model, and a geospatial intelligent agent (GI Agent) function. The AIF technology base supports model diversification, cross-platform capabilities, and local deployment, empowering SuperMap GIS cloud-edge series basic software products and industry applications.

New Technology: Multiple Technological Innovations

SuperMap GIS 2024 upgrades the new generation 3D GIS, distributed GIS, and cross-platform GIS technology systems, enhancing multi-source 3D data processing capabilities, distributed analysis performance, and compatibility with various software and hardware.

New Generation 3D GIS Technology System

The new generation 3D GIS technology offers robust capabilities for managing massive multi-source data, efficient 3D geographic design, and high-fidelity geographic spatial visualization. It supports the 3D model tile data format S3M, improving data sharing and interoperability. Enhancements in spatial data management, geographic design, and visualization include support for BIM data formats, reduced data volume for large-scale models, and integration with game engines like UE5.2/5.3 for advanced GIS analysis.



Efficient loading of large-scale 3D data

Supporting automatic extraction of building features and batch construction of city-level complex building entities

Highly realistic 3D visualization

Distributed GIS Technology System

SuperMap GIS 2024 optimizes distributed spatial analysis and processing technologies, adding Spark Local multi-process mode to improve stand-alone resource utilization and support for Spark on YARN clusters for efficient resource management. The cloud-native GIS technology introduces support for distributing 2D and 3D tiles to edge nodes via Serverless GIS functions.

Cross-Platform GIS Technology System

In 2024, SuperMap collaborates with upstream and downstream software and hardware manufacturers for compatibility, performance testing, and tuning. SuperMap GIS 2024 supports the new Loongarch architecture CPU, Huawei Ascend AI computing chips, and domestic GPUs like Xindong and Xiangdixian. It is also adapted to domestic operating systems and databases.

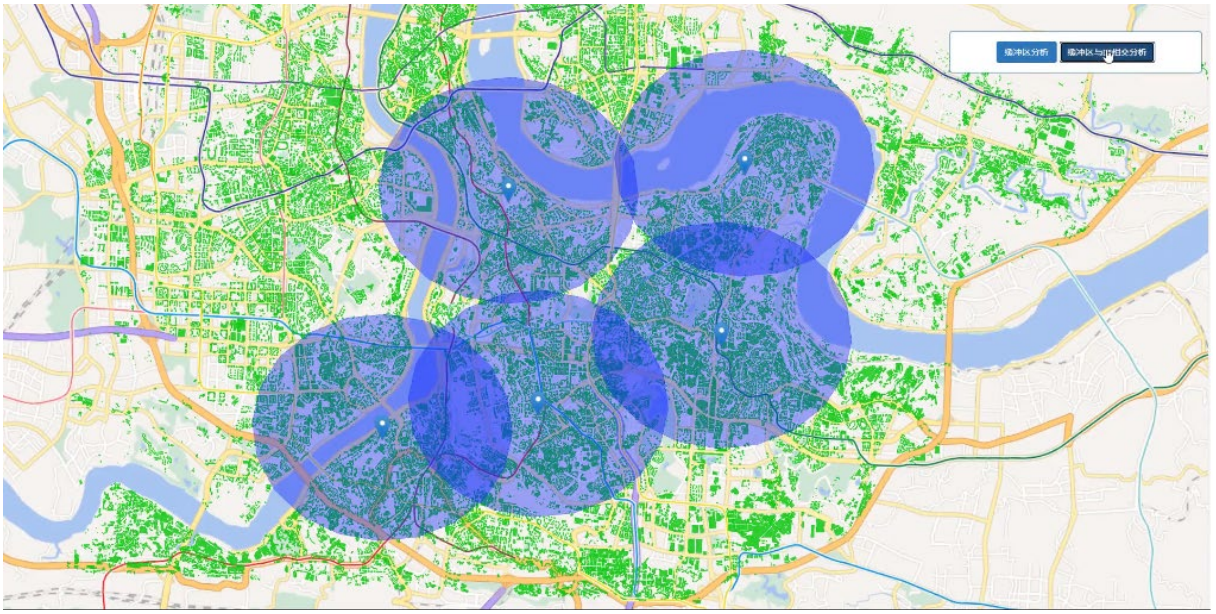
New Product: Remote Sensing Image Processing Server Software

SuperMap GIS 2024 introduces SuperMap ImageX Enterprise (Beta), a remote sensing image processing server software. Leveraging a cloud-native architecture and advanced photogrammetry and remote sensing algorithms, this product supports distributed deployment across multiple nodes for flexible, on-demand computing resource utilization. Key features include high-performance computing, integration of remote sensing and GIS, cross-platform capabilities, intelligent processing and interpretation, cloud-native architecture, and web-based interaction. These capabilities enhance the efficiency and accuracy of remote sensing image processing and interpretation, enabling rapid application of remote sensing data products.

New Features: Enhanced Capabilities of Cloud-Edge-Terminal GIS Products

SuperMap GIS 2024 upgrades cloud GIS servers, edge GIS servers, and Web GIS, adding new functions such as rapid video data publishing, video data management, query, and streaming capabilities. The GIS server now supports rapid video data publishing and vector tile dynamic output, optimizing large data processing efficiency. MongoDB tile set services publishing performance has also been enhanced, reducing startup times for SuperMap iServer.

The GIS Operation and Maintenance Manager now includes



Geometry analysis API based on WebAssembly

visual deployment and uninstallation functions, simplifying the deployment process and enhancing operational efficiency. Visual forms for customizing site templates streamline operation and maintenance tasks. The GIS edge server adds the ability to proxy GIS services in a cloud-native environment, ensuring stable service experiences.

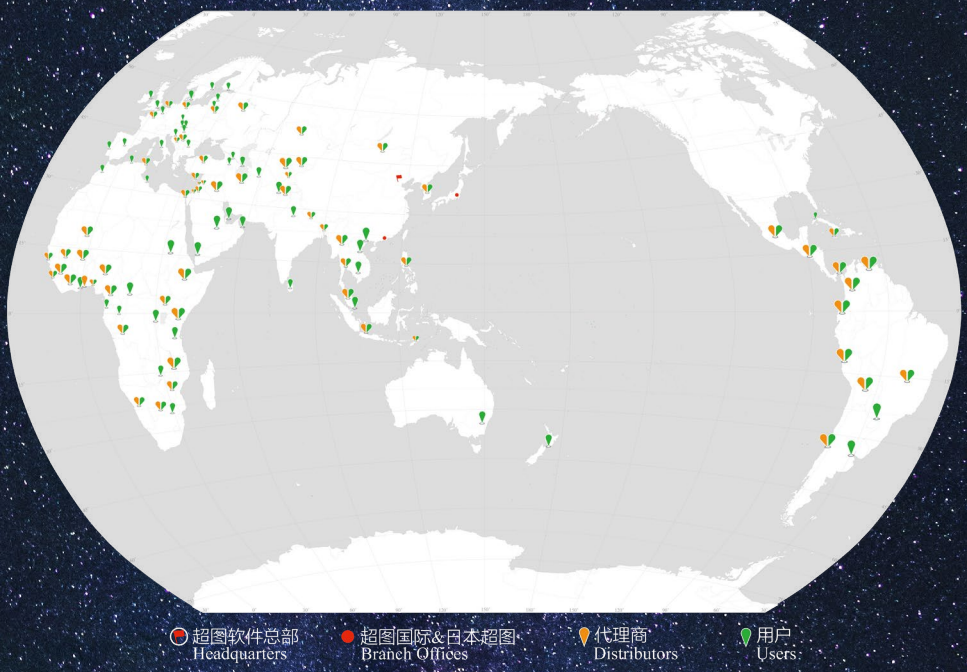
Desktop GIS Product with Upgraded Functions

The desktop GIS product, SuperMap iDesktopX 2024, has been upgraded across multiple dimensions, enhancing data production, analysis, and management capabilities. New features include data source transaction management, data set grouping, direct connection to third-party data formats, and improved 3D capabilities. The rendering engine upgrade boosts performance for city-level scenarios, and support for mainstream BIM design software improves data access efficiency.

High-Performance, High-Realism Web-Based GIS Products

The Web-based GIS product introduces a WebAssembly-based Geometry analysis and processing interface, significantly improving calculation and analysis efficiency. The new L7Layer layer interface supports richer 2D, 3D, and animation effects, enhancing map visualization. Additionally, video visualization functions enable video stream querying and playback on the web, with vector elements overlaying on videos for a realistic fusion effect.

Global Distributors and Users



SuperMap has developed distributors and partners in more than 50 countries and SuperMap GIS end users in over 100 countries. We are looking for more partners from all over the world to build a global partner eco-system.