

SUPERMAP COMMUNICATIONS

June 2023 Issue 09
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**Review | 2023 Geospatial
Information Software Technology
Conference**

**SuperMap GIS 2023 Officially Released,
Revealing Multiple New Features**

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 SuperMap is more than 4,300 and the annual revenue reached 232 million USD (1.6 billion RMB).

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

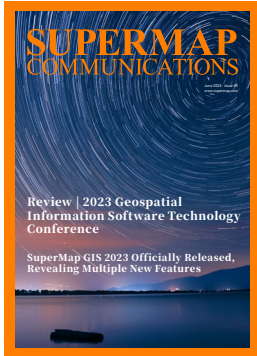
What will SuperMap be?

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

4300+
Employees

SuperMap



SUPERMAP COMMUNICATIONS

Contents



Reach us here!

Building 107, A10 Jiuxianqiao

North Road,

Chaoyang, Beijing, 100015, China

Tel: +86-10-59896503

Fax: +86-10-59896666

Email: biz@supermap.com

www.supermap.com



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FOCUS

Review | 2023 Geospatial Information Software Technology Conference

- 5 Milestones of GISTC
- 6 Summary of 2023 Geospatial Information Software Technology Conference
- 7 Plenary Conference (June 27th)
- 10 GIS International Forum (June 28th)
- 14 Media Reports
- 15 Partner Interview

Technology Corner

SuperMap GIS 2023 Officially Released, Revealing Multiple New Features

- 24 Features of Newly Released Products in SuperMap GIS 2023

Review | 2023 Geospatial Information Software Technology Conference

Geospatial Information Software Technology Conference, formerly called as GIS Software Technology Conference (GTC), is a global GIS event designed to “share the latest developments in GIS software, and exchange the best practices in GIS applications”. It has gone through several rounds of upgrade over the past 5 years, growing from a company’s conference into an industry event. It adopts the vision of “becoming the largest and most influential GIS software technologies conference in the world.” Since 2017 when it was held for the first time, it has attracted tens of thousands of attendees.



Milestones of GISTC

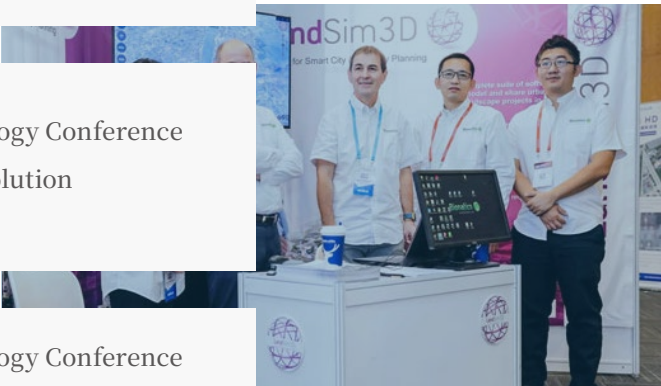


2023 2023 Geospatial Information Software Technology Conference
Geospatial Intelligence, Elevated by Integration

2022 2022 GIS Software Technology Conference
Geo-intelligence, Building Multi-dimensional Foundation



2020 2020 GIS Software Technology Conference
Geo-intelligence, Connecting the Future



2019 2019 GIS Software Technology Conference
Geo-intelligence, Deep Evolution

2018 2018 GIS Software Technology Conference
Geo-intelligence Enabled by Ascending Dimension



2017 2017 GIS Software Technology Conference
Geo-intelligence, Driven by Data

Summary of 2023 Geospatial Information Software Technology Conference



In recent years, GIS, remote sensing, surveying and mapping data production and other geographic information software have accelerated integration, and have been continuously integrated with advanced technologies such as artificial intelligence, cloud native, big data, and digital twins, which provide more and more powerful geospatial intelligence for various industries and have created different digital value.

On June 27 and 28, the 2023 Geospatial Information Software Technology Conference was held at the China National Convention Center in Beijing, with the theme of "Geospatial Intelligence, Elevated by Integration". At the plenary conference on the 27th and 16 special sessions on the 28th, government leaders and academicians from China, experts, and business representatives from both China and abroad were invited to exchange ideas of geospatial intelligence technology and give insights into its broad application prospects.

Organizers



Plenary Conference (June 27th)

Morning Session:

Host

Jiang Wenbiao, Vice President of China Land Science Society



Accelerating the Building of Digital China—Learning Experience of the Overall Plan of the Building of Digital China

Wang Qinmin, Vice President of the 12th National Committee of the Chinese People's Political Consultative Conference, Director of the National Electronic Government Expert Committee



The Overall Technological Research and Progress in the Building of Real 3D China

Chen Jun, Academician of the Chinese Academy of Engineering, Leader of the Real 3D China Construction Expert Group of Ministry of Natural Resources, PRC



Building a Digital Twin Water Conservancy System Based on Information Technology Innovation Environment

Cai Yang, Director of the Information Center of Ministry of Water Resources, PRC, Director of Cyberspace Administration of China



Integration of Remote Sensing and GIS to Transform Spatial Data into Geospatial Intelligence

Song Guanfu, Director of the Geographic Information System Technology Innovation Center, Ministry of Natural Resources, PRC; Chairman of the Board of SuperMap Software Group



Afternoon Session:

Host

Shi Nan, Executive Vice President and Secretary General of Urban Planning Society of China



Pre-Trained Large Model Empowering Industry Innovation

Zeng Zhenyu, Vice President of Alibaba Cloud

Reflections on New Artificial Intelligence and Smart Land Construction

Li Xiaobo, Former Deputy Director of the Information Center, Director of the Academic Committee of the Information Center, Ministry of Natural Resources, PRC

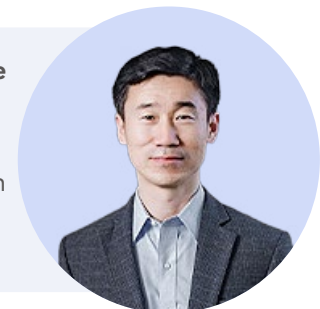


SuperMap GIS 2023 Bringing Innovation to Geospatial Intelligence

Chen Yong, Associate Director of SuperMap Research Institute

Integrated Intelligent Processing of Multi-modal Satellite Image Geometric Semantics with AI+Remote Sensing Fusion

Zhang Yongjun, Dean of School of Remote Sensing Information Engineering, Wuhan University





Spatial Intelligence Accelerating the Digital Transformation of Enterprises with Digital Twin Building a Strong Foundation

Wang Lei, Vice President of SuperMap Software Group

At the plenary conference, leaders from China's national ministries and commissions, presidents of universities and other research institutions, and business representatives were invited to deliver reports. The whole venue was full of audience. Speakers respectively delivered reports on real 3D China, digital twin water conservancy, AI large-scale model, AI and smart land, multi-modal satellite image integration, and enterprise digital transformation, explaining the innovative achievements brought by deep integration of geospatial intelligence technology and IT technology, and also shedding lights on the future application trend.

The conference also specially set up an "experts' dialogue" session. Centering around the theme of opportunities and challenges for further integration of geospatial intelligence technology and IT technology amid the emergence of new technologies like ChatGPT and AI large-scale model, speakers had heated discussions, and exchanged ideas of the broad prospects of geospatial intelligence made possible by AI and geographic information technology.



GIS International Forum (June 28th)



Host

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

Opening Speech

Yan Qin, Director of Chinese Academy of Surveying and Mapping

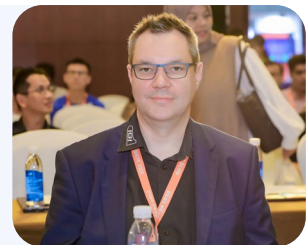


Remote Sensing/SAR Satellite Imagery Analysis and Utilization System Using Deep Learning Model

Cho Youngman, General Manager of Business Strategy Group, SPH, South Korea

Demonstration and Application of IGI Multisource 3D Data in SuperMap Platform

Philipp Grimm, CEO of IGI mbH, Germany



New Progress in SuperMap GIS 2023

Hu Chenpu, General Manager of Terminal Product R&D Center, SuperMap Research Institute

GIS Technology for Smart School

Asst. Prof. Sethapong Wong-In, Head of Digital Innovation and Software Engineering Curriculum, Science and Technology Faculty, Valaya Alongkorn Rajabhat University under the Royal Patronage, Thailand





Geospatial Data and Sustainable Development Goals in Saudi Arabia

Ali Abdullah Aldosari, President of Saudi Geographical Society, Saudi Arabia

Harnessing the Power of AI & GIS in Construction Industry

Andi Firdaus, Research & Digital Construction Junior Expert of PT Waskita Karya, Indonesia



Unveiling Malaysia's Geospatial Revolution: Empowering Communities Through Spatial Information Sharing and Smart Cities

Nur Amirah Binti Mohd Fauzi, GIS Engineer (Pre-Sales) of SmartMap Insights Sdn Bhd, Malaysia

Development of New 3D GIS Technology

Li Meng, Deputy General Manager of 3D R&D Center, SuperMap Research Institute



How to Leverage GeoSpatial to Drive Virtual Twin

Morgan Zimmermann, CEO of Dassault Systèmes NETVIBES

The Future of GIS

Prof. Dr. Wolfgang Kainz, Professor Emeritus of Cartography and Geo-Information Science, University of Vienna, Austria, and Visiting Professor at Wuhan University, China



SuperMap Beyond Borders: Collaborative Solutions in the Geospatial Industry for Cross-Border Impact

Nikma Fista Safrina, Country Business Manager of Indonesia, SuperMap Software Co., Ltd.



Geoinformation and Artificial Intelligence Tools for the Development of the Ivorian Economy: Experience of the CNTIG

Dr. Edouard FONH-GBEI, CEO of CNTIG and General Secretary of the National Committee for Remote Sensing and Geographical Information, Côte d'Ivoire

SuperMap GIS Solution & Innovation in Japan

Wang Chao, Chief Engineer & Products Director of SuperMap Japan Co., Ltd.



A Digital Twin-Based Approach for Cultural Heritage Tourism and Customary Land Administration

Ir. Ketut Tomy Suhari, ST., MT., IPP., Senior Lecturer of ITN Malang, Indonesia

Cadastre and Smart City Powered by SuperMap

Francisco Trinidad Garrido, Founder of GeoVirtual, Mexico





The Apartment and Condominium Management Platform for Achieving Smart Governance in Thailand

Assoc. Prof. Dr. Tarawut Boonlua, Director of Research and Development Center for Smart City Solution (RDSC), Faculty of Architecture, Urban Design and Creative Arts, Mahasarakham University, Thailand

Mining Operation GIS in Chile

Tomás Guillermo Troncoso Martínez, Technical Director of GeoSupport, Chile



Closing Speech

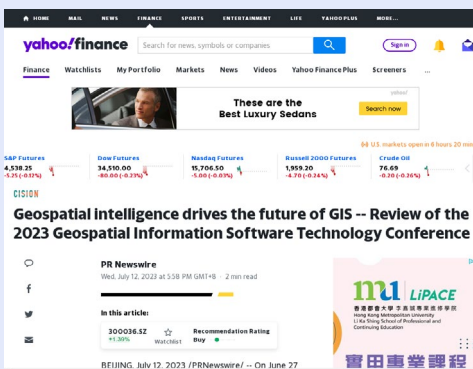
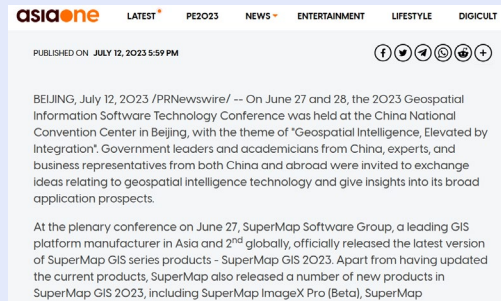
Diane Dumashie, President of International Federation of Surveyors (FIG)

GIS International Forum is one of the 16 sessions on 28th. Around 150 international representatives of governments, businesses and universities from 28 countries gathered at the venue, discussing the latest developments and application cases in their own countries. Speakers from China, Thailand, Indonesia, South Korea, Germany, Saudi Arabia, Austria, France, Mexico, and Chile delivered their reports covering topics including remote sensing, multi-source data, smart schools, smart cities, AI, cadastre, and minerals. At the end of the forum, Ms. Diane Dumashie, President of the International Federation of Surveyors (FIG) delivered her closing speech via video call.



490+ Media Reports

on 2023 Geospatial Information Software Technology Conference in Multiple languages



Partner Interview

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

Further cooperation to build a bridge for geo-specialists in China and Saudi Arabia

Interview with Mr. Ali Abdullah Aldosari



Ali Adbullah Aldosari, President of Saudi Geographical Society, Saudi Arabia

Q: Okay, so I heard that this is your first time to China, right? How do you feel about China?

A: This is my first visit to China. It's an amazing place. I love to see it again and again. I like to spend every single moment to discover about Chinese culture, Chinese people, Chinese landscape and also the whole atmosphere, the culture of food and culture of communication, culture of understanding people. It takes time, but for me, in my first visit, it went smooth. I enjoy my visit very much.

Q: That is great. So, you have attended the plenary

conference yesterday, how do you feel about it? Could you please share with us?

A: Yes, I've been to many conferences across the world, but here, I feel different. It is well organized and there are many companies, many organizations and everything were well prepared and well organized.

People pick me up with hospitality from the airport to the hotel, and then to this conference. I feel that I don't need to ask anything because everything is prepared. I enjoy the conference on the first day, which is pure information about

the technology of SuperMap, the future and new tools. Second day, it is amazing. People from Europe, from America, from Asia, everyone came with their own experience and presented it here in one place. It is great.

Q: Yeah. You know that we have released the new product yesterday. The SuperMap GIS 2023. What kind of features do you like?

A: I like the digital twin. It's amazing because it takes you to the reality in the future before the design, before people realize what is going on around. That is amazing. And it also supports the decision makers to know what the facility and the projects will face in the future, either positive or negative, so they will take action on that.

Q: Then will you apply those new features to serve the industry in your own country?

A: Yes, I am teaching geography in the King Saud University. And we have a class of GIS and this will be one task for my students to search and work on. Also, I got some consultation from companies or ministries. So, I will also pass this knowledge and ideas.

On top of that, I am also president of Saudi Geographical Society, so I already make a plan to have a joint workshop to introduce these new tools to the community of geospatial people in Saudi Arabia.

Q: So, you plan to bring what you have learnt here back to your own country, to your own society so that more people know about the conference?

A: Exactly, yes. But I cannot do it alone. The workshops will be co-organized with SuperMap, so we'll invite some SuperMap speakers to be involved in this event.

Q: Look forward to it. Then have you and your students used SuperMap Software in your class before?

A: Yes, in the university, we teach our students all kind of software, licensed or open source, so the students know about SuperMap, but we leave the choice for them to do their projects with the software they like.

But in our duty, we explain to them all the kind of software including SuperMap and tell them the power of SuperMap in AI and also in big data, simulations, it is better than others. So, we encourage students to be use this powerful tool.

Q: Okay. In today's forum, do you have anything that's very impressive to you, or how do you think of today's forum?

A: It was a surprise to me, all the leaders of SuperMap stay with us, talk to us and listen to us. I don't feel like they are leaders or head of the company. I feel like they are colleagues, they are very friendly.

Q: Yeah, I also like the atmosphere. Just one more question, how do you think of GIS development? I mean in today's society, we have so many kinds of IT technologies that develop so fast, like AI, especially ChatGPT. What kind of benefits, or even threats, do you think will bring to this industry?

A: Yeah, for the benefit, I think it will help us as professors, as researchers to get the knowledge and information in an easier and more convenient way.

And the threat is how to assess people or human work regarding the ChatGPT, this is a bit difficult for us. Among our students, or if we assign a task in a project, we are not sure if their work is done by themselves or if they are artificial work. I think its verification is important after we get these results. We cannot avoid it. We have to live with it.

Q: Yes, many people say that we have to live with new technologies. Even though they may bring some kind of threats to us currently, in the long-term, they'll bring benefits to us. Then what kind of benefits do you think the

cooperation between you or you as the head of your society and SuperMap will bring to China and Saudi Arabia?

A: Yeah, I think there will be great benefits for both of us. We can be a facilitator and let's say experience center for SuperMap. Saudi Arabia has mega projects, yes, led and constructed by many Chinese companies. So, it will be easy for us to introduce SuperMap to the companies because they are already involved.

This is in the level of business and as for the level of people, we are umbrella for all of geographer society and geographer departments in the country, so we can provide all information in hand to them. Once we make a workshop or training, everyone gets benefit of it, not just the members as we are open to everyone.

Q: So, our joint workshop, or those training courses have benefited many students or industry practitioners in your country, right?

A: Yes, and for us, absolutely we are benefiting from it. We are contacting or cooperating with this high technology company leading in the world in term of 3D, big data, simulations, image analysis, it's all will be in our hands and close to us and we learn from it and we need it, so it is benefiting us very much, and that's win-win cooperation.

Q: Alright, one last question. Will you come to our conference next year? And what kind of expectations do you have towards it?

A: My expectation, I hope there will be a section for student presentation show. And I will bring some of my students to present their work and learn directly from here.

Q: Yeah, so they have their own physical experience.

A: Exactly, yes, yes. And I will encourage my colleagues in the society to join me next time. One of my professors want to come, but for some cases, he canceled the trip, but next time, I'm sure more will be with me.

Q: Yeah, we hope more people could get involved in this conference and have communications and exchange ideas so that we can promote the development of this industry.

A: Yeah, and especially, we have a common environment in terms of desert area, mountains area, I mean the geography of China, and the geography of Saudi, they are common in terms of the deserts, mountains, coastline. And partly, we both are counted as a large country, so to control the country and collect data from a huge area, geo-specialists should be there. They are very much needed.

Q: Thank you very much, hope you enjoy your journey here in Beijing in the following days.

A: Thank you.

Continued partnership expands into new business industry

Interview with Mr. Cho Youngman



Cho Youngman, General Manager of Business Strategy Group, SPH, South Korea

Q: Hello Mr. Cho, I learned that you have been our partner since 2013, what are your main cooperation domains?

A: Yeah, we have been working with SuperMap for 11 years. SPH not only sells software, but also carries out various SuperMap basis through special information system construction project. To this end we are also cooperating with SuperMap in technology exchanges.

Q: Ok, so, you attended today's conference. What's your feelings about it?

A: SuperMap software has been the technology to reap the world market. In addition, we are continuously updating the technology that is needed most worldwide. I have and I am sure that I will be able to gain more insights through GISTC, which encompasses many advanced geographic information technologies.

Q: Yeah, we just launched a new product: SuperMap GIS 2023. How will SPH adapt to the update?

A: It is confirmed that BitDC, the five major technologies of SuperMap has developed strongly. I suppose the demand

of GIS technology for AI, big data, cloud and real time 3D technology is increasing. And Korea is also advancing the digital twin platform at the central government level thanks to government planning for every five years. Right now, the industry seems to be more activate with new technologies like AI and remote sensing and digital twins in Korea. SPH is also expecting to expand this business industry with SuperMap platform or SuperMap products.

A: Thank you, then could you please explain the most successful case you've made with SuperMap?

Q: Ok, we have many successful stories. There are cases of establishing a national geographic information system in Korea. But today I would like to point out a satellite image platform that I will announce tomorrow. We have created an AI-based, statewide image visualization platform in cooperation with a university research institute. It's not just a project, we also commercialized the platform and started selling it to public and private companies.

Q: Thank you very much, look forward to hearing more good news. Then I'll end this interview considering your tight schedule. Thank you for taking the time.

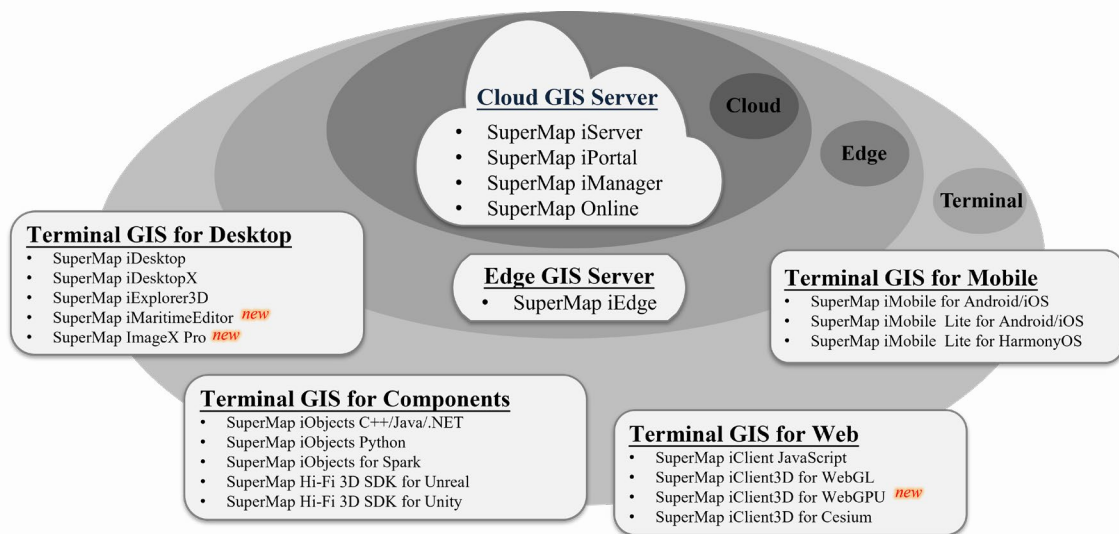
A: You're welcome.



Products

What is SuperMap GIS

SuperMap is devoted to developing and providing the most innovative Geographic Information System (GIS) platforms and solutions for global customers. SuperMap product line includes a full range of GIS platforms, including Desktop GIS, Server/Web GIS, Mobile GIS, and Online GIS, which makes SuperMap GIS known as one of the most complete GIS software platforms.



SuperMap GIS 2023 Product Architecture

SuperMap iDesktop: Full-featured Customizable Desktop GIS

SuperMap iDesktopX: Full-featured Customizable Cross Platform Desktop GIS

SuperMap iExplorer3D: 3D Scene Browsing Software

SuperMap iObjects: Full-featured Components GIS SDKs

SuperMap iTablet: Native App for Mobile GIS

SuperMap ARSurvey: AR field surveying tools for Mobile GIS

SuperMap UAV Survey: UAV field survey and annotation software

SuperMap iMobile: Native SDKs for Mobile GIS

SuperMap iServer: Full-featured Application Server for Cloud GIS

SuperMap iPortal: Portal for Cloud GIS

SuperMap iClient: Web GIS APIs for Browsers

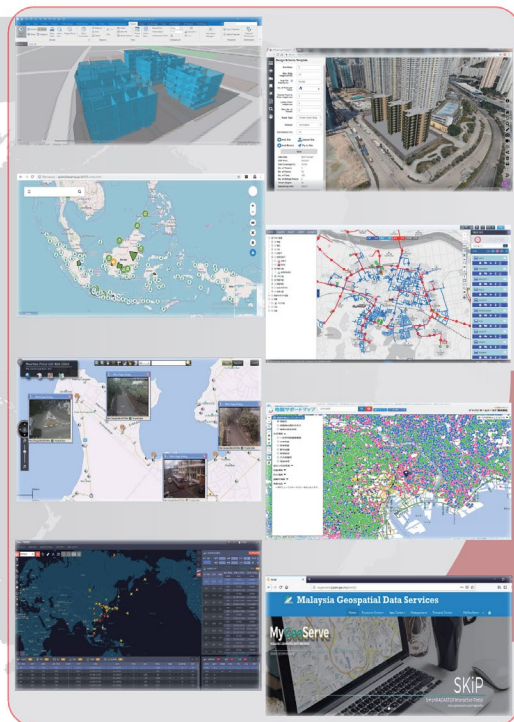
SuperMap iManager: Operation Manager for Cloud GIS

SuperMap iEdge: Server for Edge Computing GIS

Application Cases

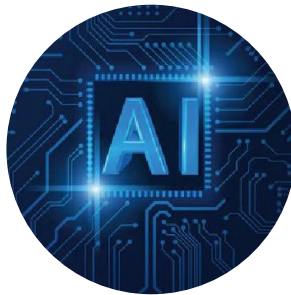
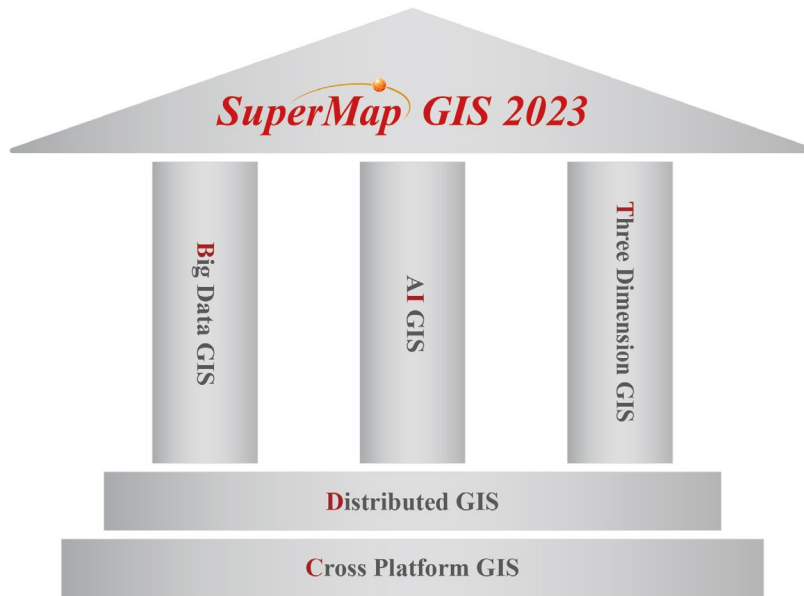
Application Cases

-  Municipality GIS for Nyköping, Sweden
-  3D Underground Pipeline Management System, Germany
-  3D Cadastral Project, Turkey
-  Mobile AI Recognition of Water Meter, South Africa
-  National Police GIS, Mauritius
-  Land Property Management System, Egypt
-  House Decision Support System, Malaysia
-  Geospatial Data Services Portal, Malaysia
-  Global IOT Management System of HITACHI, Japan
-  One Map of Ground Strength of National Residence, Japan
-  Mobile Mapping Solution for Foreclime, Indonesia
-  Big Data Spatial for Secure BaseMap System in BSSN, Indonesia
-  Nature Reservoirs Locating System, Thailand
-  Smart Agriculture Real-time Soil Monitoring System, Thailand
-  Pipeline Analysis Solution, South Korea
-  Forest Disaster Management System, South Korea
-  Flight Monitoring System for Asiana Airline, South Korea
-  Mountain Development Support System, Cuba
-  Epidemic Surveillance System, Laos



Technologies

In SuperMap GIS 2023, SuperMap has further improved the five key technologies system (BitDC) of GIS platform software, they are big data GIS, AI (artificial intelligence) GIS, new 3D GIS, distributed GIS and cross-platform GIS technology, which enriched and innovated GIS theory and technology, and empowered the informatization of various industries.



SuperMap GIS 2023 Officially Released, Revealing Multiple New Features

At the plenary conference of GISTC 2023, SuperMap officially released the latest version of SuperMap GIS series products - SuperMap GIS 2023. Apart from having updated the current products, SuperMap has also released a number of new products, including cross-platform remote sensing image processing desktop software[SuperMap ImageX Pro (Beta)], cross-platform electronic nautical chart production desktop software (SuperMap iMaritimeEditor), Web-side 3D geographic design software (SuperMap iDesigner3D), 3D WebGPU client [SuperMap iClient3D for WebGPU (Beta)] and so on. This article will reveal the features and value of several newly released products in SuperMap GIS 2023.



Features of Newly Released Products in SuperMap GIS 2023

1. Cross-platform remote sensing image processing desktop software — SuperMap ImageX Pro (Beta)

Remote sensing is closely related to GIS, but for a long period of time, the two kinds of software are disconnected with each other. In the process from remote sensing image processing to its application, the processing is carried out in remote sensing software, but data management, data release, and data application all require GIS software. Data conversion takes time and switching between software is laborious. Therefore, the market urgently needs remote sensing and GIS integration.

By fusing with the world's leading photogrammetry and remote sensing core algorithms, and based on intelligence, automation, high-performance computing and other technologies, SuperMap developed the cross-platform remote sensing image processing desktop software - SuperMap ImageX Pro (Beta) to handle the processing of satellite remote sensing image data. It provides more than 60 kinds of remote sensing image processing operators including connection points and ground control points generation, block adjustment, orthorectification, image fusion, etc., capable of using multi-source satellite remote sensing images to produce DOM and DSM /DEM data products.

SuperMap ImageX Pro (Beta) is built on the basis of remote sensing and GIS integration technology, and features remote sensing and GIS integration, cross-platform, intelligent processing, and high computing performance. The integration of remote sensing and GIS can accelerate the application process of transforming data into geospatial intelligence; being able to be applied to multiple platforms realizes high processing performance, making information safer; processing intelligence refers to improving the geometric accuracy of image processing and digital surface models' quality, realizing automatic processing to reduce manual intervention; at the same time, it also shortens the data processing time, improves computing performance, and realizes the ability of efficient production and application of remote sensing image data.

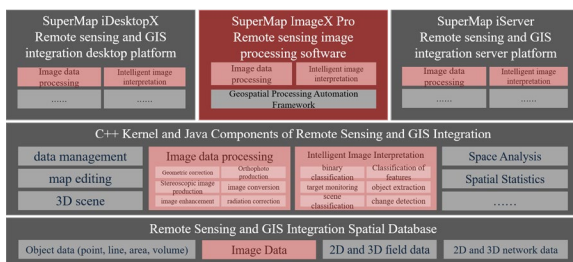


Figure 1: SuperMap Remote Sensing and GIS Integration Product System

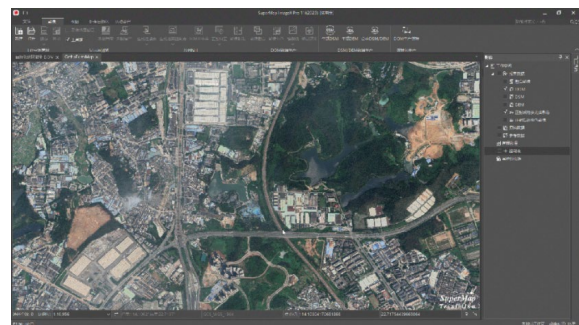


Figure 2: SuperMap ImageX Pro Automated Process

2. Cross-platform electronic nautical chart production desktop software —SuperMap iMaritime Editor

Electronic nautical charts and channel charts provide fundamental data for ship navigation and are essential tools to ensure the safety. In SuperMap GIS 2023, a new cross-platform electronic nautical chart production desktop software—SuperMap iMaritimeEditor is released. It provides functions such as S57 nautical chart data management, S52 nautical chart display, S58 data inspection, and standard expansion. It is used for the production, application, printing and publication of inland river, port, and coastal charts, and military standard nautical charts, providing technical support for marine survey and mapping, and assisting comprehensive marine management and decision-making.

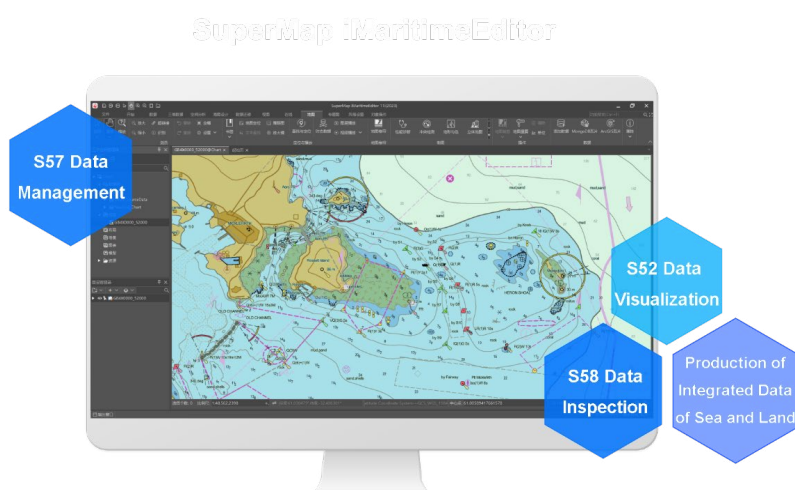


Figure 3: Cross-Platform Nautical Chart Production

3. Web-side 3D geographic design application —SuperMap iDesigner3D

With the in-depth application of 3D geographic design in urban design, road design, water conservancy design and other industries, as well as the rapid development of Internet technology, users gradually put forward the demand for online design and interactive editing. To this end, SuperMap released a new web-side 3D geographic design application: SuperMap iDesigner3D. It is a lightweight WebApp developed based on SuperMap iClient3D for WebGL, deployed on SuperMap iPortal, the portal software platform. And it does not require professional design environment.

In order to meet the online 3D geographic design capabilities, SuperMap iDesigner3D not only provides online batch modeling capabilities based on real geographic environments, but also enables users to batch build 3D models of buildings, roads, and roadways that match the geospatial environment based on vector data and modeling rules. It supports editing and modification of modeling parameters and materials, and can update the editing results online in real time, which can effectively improve the efficiency of data editing.



Figure 4: Building and Editing Models Online

4.Three-dimensional WebGPU client —SuperMap iClient3D for WebGPU (Beta)

With the in-depth application of Web3D engine in smart parks, smart cities, and 3D images of natural resources, users have higher requirements for its visualization effect and rendering performance. Moreover, the introduction of WebGPU technology enables better use of GPU hardware on the Web side, providing powerful computing and rendering capabilities.

Driven by market demand and Web technology, SuperMap launched a new 3D WebGPU client: SuperMap iClient3D for WebGPU (Beta). It is a 3D GIS network client development platform based on WebGPU technology, which supports access to multi-source spatial data, more realistic 3D scene, powerful massive data carrying capacity, and rich 3D spatial analysis and query functions. It can effectively support the efficient construction of real 3D China, CIM, digital China and other business systems.

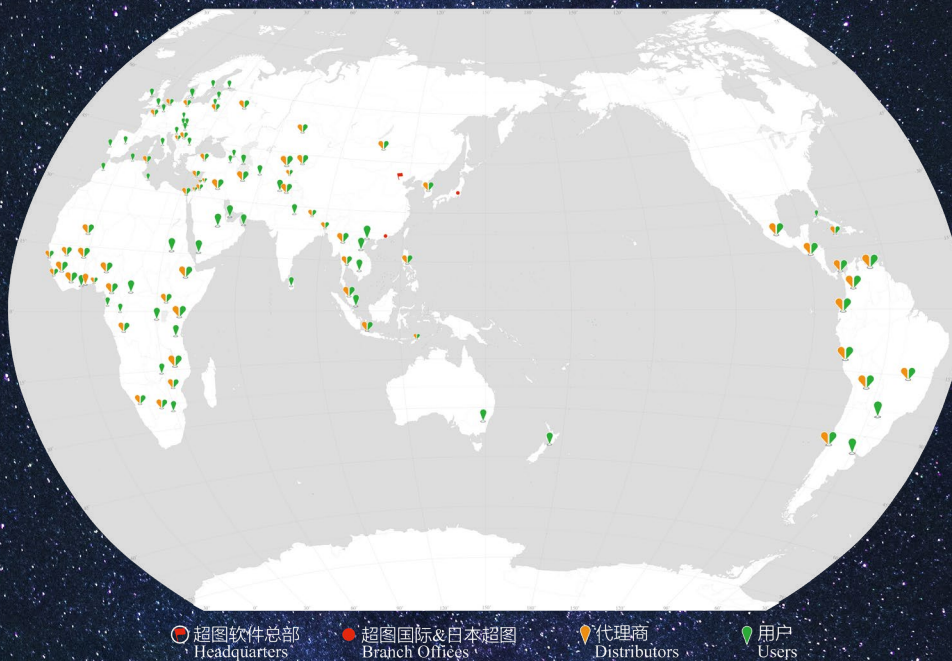
In addition, SuperMap GIS 2023 also supports both WebGL and WebGPU rendering frameworks from the bottom layer,

which can realize the switching between 3D WebGL client and 3D WebGPU client with one click, reducing the cost of data migration. SuperMap GIS 2023 also enhances the capabilities of cloud GIS server, edge GIS server, terminal GIS and other products, and further improves the five technical systems (BitDC) of GIS platform software, namely big data GIS, artificial intelligence GIS, 3D GIS, distributed GIS and cross-platform GIS technology system, providing better support for the informatization of various industries.



Figure 5: GPU-based Intervisibility Analysis

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.