PIESAT Information Technology Co., Ltd.

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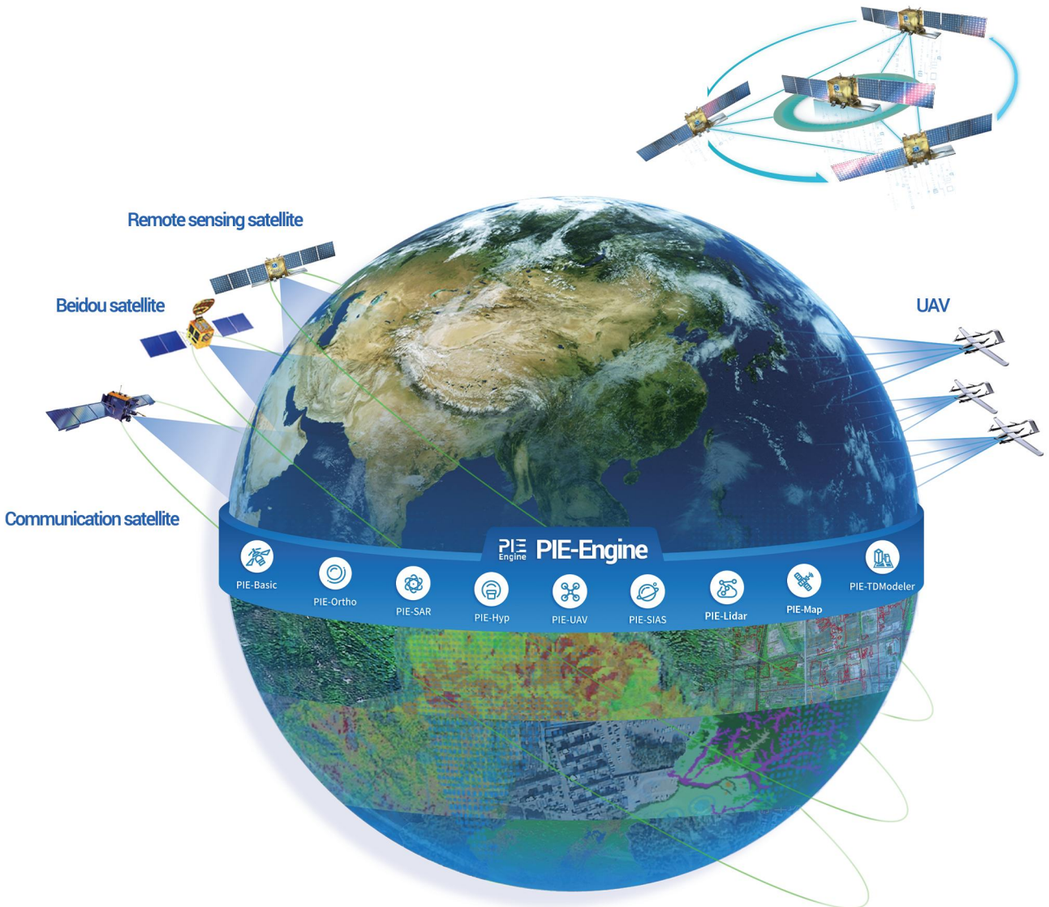

2022

ANNUAL ESG REPORT OF PIESAT

PIESAT Information Technology Co., Ltd.

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About this Report

Reporting Purpose

This Report is intended to conduct a frank and honest exchange with stakeholders regarding the ESG concept, practice performance and other aspects of PIESAT Information Technology Co., Ltd., and systematically respond to the expectations and appeals of stakeholders.

Reporting Period

This Report covers a period from January 1 to December 31, 2022, but part of it may exceed the above-mentioned period to make it more comparable and complete.

Reporting Cycle

This is an annual report, which is issued simultaneously with the Company's annual report. The English version of the 2022 ESG Report is disclosed at the same time. In case of any ambiguity in the understanding of it, the Chinese version shall prevail.

Data Description

The data sources used in this Report include the Company's internal statistics and public data from government departments and third-party institutions. The recording currency of the financial data in this Report is the Renminbi ("RMB").

Scope of Reporting

This Report covers PIESAT Information Technology Co., Ltd. and its main subsidiaries.

Reference

In this Report, "PIESAT Information Technology Co., Ltd." is referred to as "PIESAT" or "the Company".

Basis of Preparation

IChina National Standard GB/T36001-2015 Guidance on Social Responsibility Reporting
International standard ISO26000:2010 Guidance on Social Responsibility
United Nations 2030 Sustainable Development Goals (SDGs)
GRI Standards by Global Sustainability Standards Board
Guidelines on Corporate Social Responsibility Reporting for Chinese Enterprises (CASS-CSR4.0) issued by the Chinese Academy of Social Sciences
Guidelines for the Preparation of the "Report on Corporate Social Responsibility"

Reporting Form

The electronic version of this Report is available on the websites of the Shanghai Stock Exchange (www.sse.com.cn) and CNINFO (www.cninfo.com.cn).

Contents

PRESIDENT'S STATEMENT

As time marches on, the warm season has come, and things are getting better and better. On behalf of the Board of Directors of PIESAT, I would like to express our heartfelt thanks to customers that place complete reliance on PIESAT, to ecological partners that have win-win cooperation with PIESAT, and to investors that pay high attention to PIESAT.

The year 2022 witnessed the successful convening of the 20th National Congress of the Communist Party of China (CPC) and also the development of PIESAT to a whole new level. In the context of economic slowdown in markets and tightening demand conditions, we still achieved remarkable results: The various businesses of the Company continued to grow at a high rate. Despite the trend that the Shanghai Composite Index and the Shanghai Stock Exchange Science and Technology Innovation Board 50 Index fell 15.13% and 31.35% respectively in 2022, the Company's market value increased by 17.61%, making it among the best of the first batch of 25 listed enterprises on the Science and Technology Innovation Board in terms of the operating revenue growth rate.

The year 2023 marks the 15th anniversary of the establishment of PIESAT, and we will carry forward our cause and forge ahead into the future, and speed up our development to wholeheartedly serve the building of a digital China. The Company has planned the Nuwa Constellation, which is the largest multi-level, multi-mode hybrid remote sensing satellite constellation in China. In the first phase of the project, it is planned to launch 38 operational satellites, including 16 X-band radar remote sensing satellites, 12 C-band radar remote sensing satellites, and 10 optical remote sensing satellites with resolution better than 0.5 m, in order to realize global coverage in one day and quick revisit in one hour and form the world's leading satellite-operation-based monthly service capability. Moreover, we will focus on such fields as prefecture-level remote sensing cloud services, meteorological numerical forecasting, and UAV services to continuously push the core businesses down to grassroots governmental and enterprise customers, and explore greater market space to enable the Company's leapfrog development.

We are well-prepared and ready to move quickly into our new work. The year 2023 is the first year to fully implement the spirit of the 20th CPC National Congress. PIESAT will continue to meet the challenges of our times with a sincere heart and do its best to write a glorious chapter in our times.

PIESAT Information Technology Co., Ltd.

Chairman
April 2022

COMPANY PROFILE

2008
Founded in

160+
branches

3500+
employees

130+
doctors

1000+
masters

150+
patents for inventions

800+
software copyrights

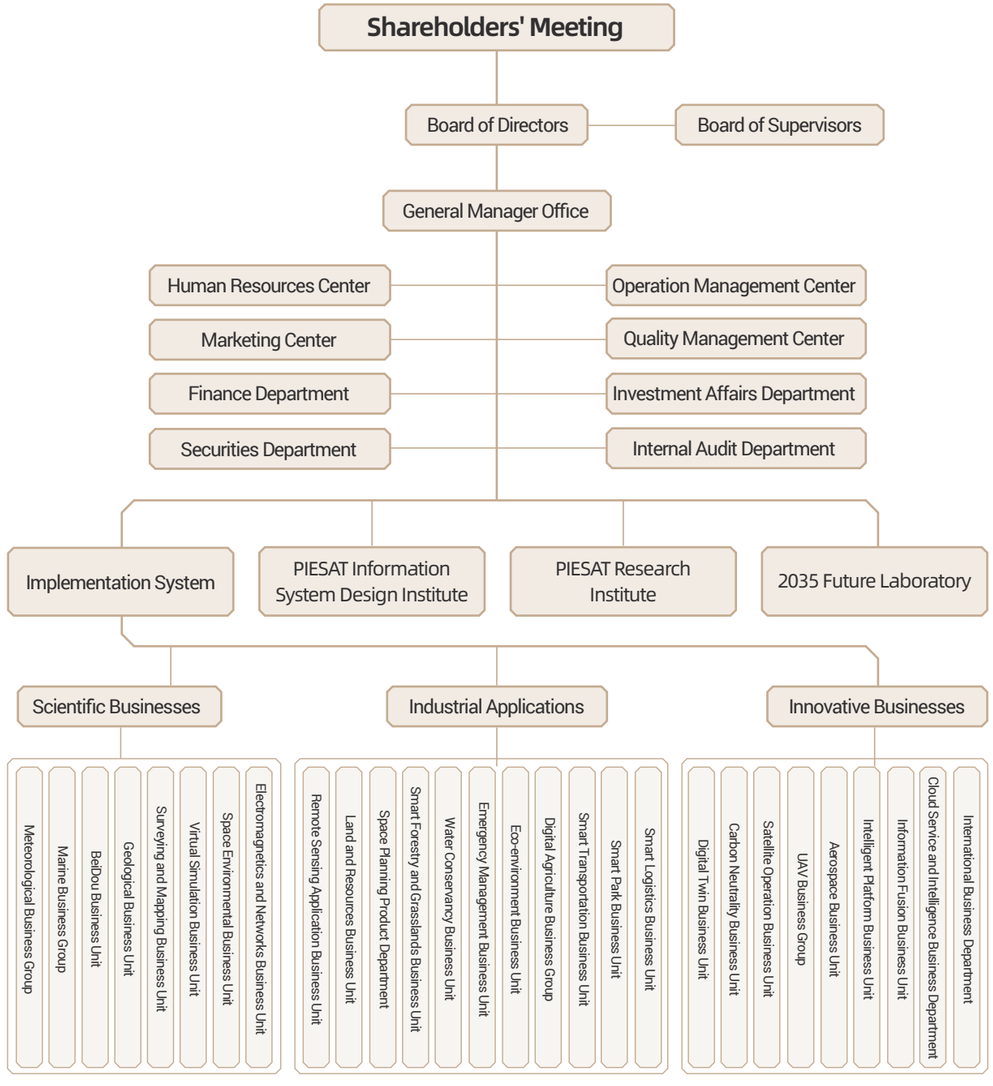
PIESAT Information Technology Co., Ltd. (stock code: 688066), founded in 2008, is a leading satellite Internet company in China and among the first batch of listed enterprises on the Science and Technology Innovation Board. The Company has researched and developed the Pixel Information Expert (PIE) software—the remote sensing and geographic information integrated software with fully independent intellectual property rights, and possesses PIE-Engine—the first remote sensing and geographic information cloud service platform in China, thus realizing the domestic production of the basic software of remote sensing. The Company is committed to providing governments, enterprises, universities and other stakeholders with overall solutions in space information applications including basic software products, system design and development service, and remote sensing cloud service, and wholeheartedly serving the building a digital China.

Headquartered in Beijing, the Company has more than 160 branches across the country and has set up research and development centers in Xi'an, Chengdu, Wuhan, Nanjing, Changsha, etc. Now the Company has more than 3,500 employees, including over 130 employees with a doctoral degree, over 1,000 employees with a master's degree, and over 200 talented overseas returnees and industrial experts. Among them, engineering technicians account for more than 80%. The Company owns such qualifications as"National Key High-Tech Enterprise", "Enterprise with the Recognition of Software Enterprise and Registration of Software Products", CMMI L5, Surveying and Mapping Certificate (Class A), and Information System Building and Service Capability CS4 Certification. The Company also owns more than 150 patents for inventions and more than 800 software copyrights.

Based on its own basic software platform and core technology, the Company has independently undertaken or participated in a series of major national strategic projects. PIESAT has served natural resource, ecological environment, emergency management, meteorology, marine, water conservancy, agriculture, and other industry sectors with systematic consulting and design, and whole-process/full-factor remote sensing information analysis to assist the governmental departments in realizing fine regulation and scientific decision-making. It has served enterprise users in the fields of finance and insurance, precision agriculture, energy and power, and transportation with air-space big data analysis and informatization services. It has also provided other related departments with automatic target identification, accurate navigation and positioning, environmental information analysis, and other relevant services.

ORGANIZATION STRUCTURE

In 2022, PIESAT set up the Mobile Business Unit, the Digital Twin Business Unit, the Aerospace Business Unit, etc. based on the new industry trends and the future development direction, which focused on the creation of a whole satellite industry chain and continued to push the core businesses down to the grassroots governmental and enterprise customers to wholeheartedly serve the building of a digital China.



CORPORATE CULTURE

Mission

Make technology change our world
and remote sensing into our life

Vision

Multi-dimensionally perceive space
and earth
Let the Chinese remote sensing
software “PIE” serve the world

Values

Serve customers wholeheartedly and
work together ambitiously

MULTIDIMENSIONAL MANAGEMENT

- ◎ ENTERPRISE GOVERNANCE
- ◎ COMPLIANT OPERATION
- ◎ INFORMATION CONSTRUCTION
- ◎ THE FOUNDATION OF PARTY BUILDING
- ◎ RESPONSIBILITY MANAGEMENT

Creating a new template of intelligent governance for enterprise

ENTERPRISE GOVERNANCE

PIESAT combines systematic coordination with fine management, upgrades and reorganizes the natural resource, digital agriculture, UAV and other business groups, and establishes 5 regions and more than 160 branches in China and international branches in Singapore, Dubai, Pakistan, Romania and other countries to spread its service network all over the world.

The Company constantly improves its corporate governance structure, establishes and perfects its internal control system, standardizes the operation, and effectively protects the legitimate rights and interests of the Company and its shareholders. We timely and accurately disclosed information, strove to maintain good relations with investors, and sought legitimate rights and interests for investors. We adhered to standardized internal control and improved the effectiveness of the Company's internal control.

2022 Excellent Practice Cases of Listed Companies' BOD Offices

COMPLIANT OPERATION

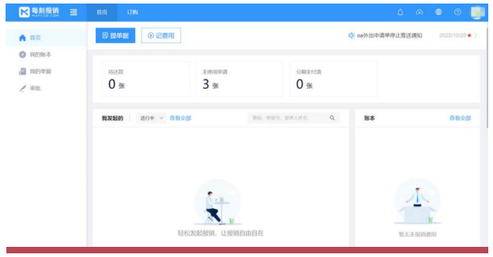
The Company constantly improved its corporate governance structure in accordance with the relevant requirements of the Company Law of the People's Republic of China, the Securities Law of the People's Republic of China, the Code of Corporate Governance for Listed Companies, the Listing Rules of Shanghai Stock Exchange, and other laws, regulations and normative documents. The corporate governance system, which is centered on the Articles of Association and supplemented by special corporate governance systems like the rules on discussion among the Board of Shareholders, the Board of Directors and the Board of Supervisors, was amended, and compliance activities were carried out continuously and deeply, which promoted the Company's standardized operation and improved its corporate governance level.

The Board of Directors (BOD) of the Company is composed of 9 members, including economic, accounting, legal and technical experts from multiple professional fields, to provide effective guarantee for the Company's major decisions. The Board of Supervisors consists of 3 members, including one employee representative. They can effectively supervise the Company's operation decision-making and protect the interests of all shareholders.

INFORMATION CONSTRUCTION

To improve the co-working efficiency and reduce the waste of paper, PIESAT applied multiple information-based office collaboration systems, which replace paper documents with digitalized files to reduce cost and improve efficiency as well as promote environment-friendly development.

Ali business travel service



Maycur expenses reimbursement system

THE FOUNDATION OF PARTY BUILDING

The year 2022 is a crucial year for the implementation of the "14th Five-Year Plan", an important year for China to embark on a new journey to fully build a modern socialist country and march towards the second centenary goal, and also the year of convening the 20th CPC National Congress. PIESAT's Communist Party Branch, under the leadership of the CPC Beijing Municipal Committee and Beijing Municipal Government, actively led all Party members in the Company to give their subjective initiative into full play during work, took the Communist Party building as one of its important work, and promoted the development of the Communist Party branch.

01 Offer advice and suggestions based on development

- During the first session of the 14th Beijing Municipal Committee of the Chinese People's Political Consultative Conference (CPPCC), Wang Yuxiang, the Chairman of PIESAT and a member of Beijing's CPPCC Committee, told journalists that the implementation of spatial information infrastructure would represent a great challenge to the intensive storage, computing and processing, service mode and capability of remote sensing data.Wang Yuxiang suggested that the building of the precision investigation capability of the capital ecosphere be improved comprehensively and that the remote sensing manufacturing for commercial aerospace be developed vigorously to play a role of application demonstration and guidance; in addition, the all-day and all-weather earth observation capability of SAR satellites should be improved to supplement the limitations of optical satellite data in the observation of cloudy and rainy areas; and more policy support should be offered for commercial manufacturing and operation in the Beijing area.

Chairman Wang Yuxiang in an interview with a journalist

02 Strengthen Communist Party building and deepen joint study and development

- During the first session of the 14th Beijing Municipal Committee of the Chinese People's Political Consultative Conference (CPPCC), Wang Yuxiang, the Chairman of PIESAT and a member of Beijing's CPPCC Committee, told journalists that the implementation of spatial information infrastructure would represent a great challenge to the intensive storage, computing and processing, service mode and capability of remote sensing data. Wang Yuxiang suggested that the building of the precision investigation capability of the capital ecosphere be improved comprehensively and that the remote sensing manufacturing for commercial aerospace be developed vigorously to play a role of application demonstration and guidance; in addition, the all-day and all-weather earth observation capability of SAR satellites should be improved to supplement the limitations of optical satellite data in the observation of cloudy and rainy areas; and more policy support should be offered for commercial manufacturing and operation in the Beijing area.

RESPONSIBILITY MANAGEMENT

The Company attaches great importance to communication with stakeholders, continuously understands the expectations and appeals of all parties, establishes diversified and effective communication methods, and actively listens to the opinions and suggestions of all parties.

Stakeholders	Issues	Ways of communication
Government and regulatory authorities	• Compliance management • Tax payment according to law • Response to national policies • Obedience to regulatory requirements	• Observe law and discipline • Cooperate with supervision and inspection • Participate in major meetings and activities • Report work regularly
Shareholders and investors	• Steady development of the enterprise • Stable return on investment • Reasonable operation and information disclosure	• Improvement of corporate governance • Regular information disclosure and announcement • Investor relationship management
Users	• Product function iteration • Service quality improvement • Smooth communication channels	• Constantly improve R&D ability and talent quality • Service evaluation system and customer satisfaction survey • Daily visits and contacts with users
Suppliers and partners	• Fairness and integrity • Long-term stability	• Optimize and prefect the supplier management system • Fulfill contracts according to law
Staff	• Protection of basic rights and interests • Reasonable compensation and benefits • Training and development • Health and safety	• Staff conferences • Fair and just promotion channels • Improved employee training • Flat and multi-dimensional communication
Communities and the public	• Participation in public welfare undertakings • Promoting the development of the industry	• Take an active part in public welfare activities • Constantly improve research and development capabilities
Ecological environment	• Energy-saving operation • Environmental protection	• Control carbon emissions • Participate in environmental protection

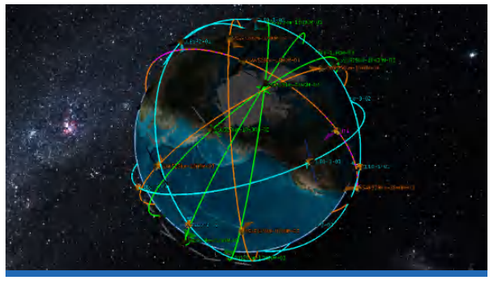
EXPLOITING THE UNKNOWN

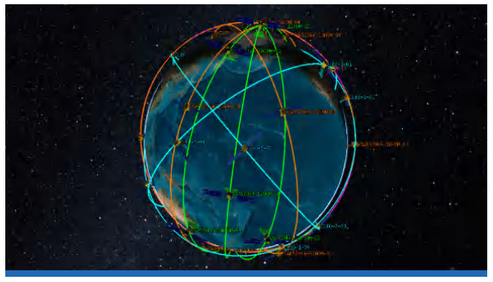
Injecting new driving force for technological development

- BUILDING THE "NVWA CONSTELLATION", AND CREATING NEW ECOLOGICAL ENVIRONMENT FOR THE COMMERCIAL AEROSPACE INDUSTRY
- SUCCESSFUL LAUNCH
- WINNING THE FIRST BIDING PROJECT AT CITY-LEVEL REMOTE SENSING COMPREHENSIVE CLOUD SERVICE
- NEW PRODUCTS CONSTANTLY EMERGING TO SERVE DIGITAL CHINA

BUILDING THE "NVWA CONSTELLATION", AND CREATING NEW ECOLOGICAL ENVIRONMENT FOR THE COMMERCIAL AEROSPACE INDUSTRY

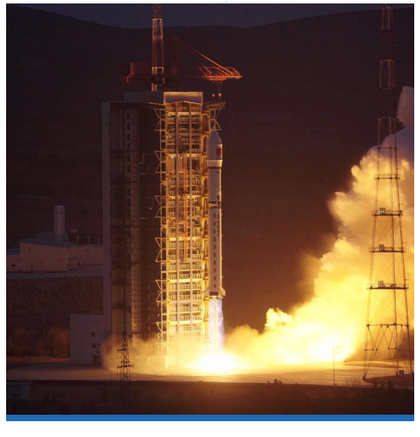
PIESAT makes efforts in high-resolution remote sensing to build complete businesses, and the satellite constellation is named "Nuwa Constellation". In the first phase of the "Nuwa Constellation" project, it is planned to launch 38 operational satellites, including a radar remote sensing constellation composed of 28 satellites (the construction plan for 4 radar satellites has been formally disclosed) and an optical satellite constellation composed of ten 2-meter eight-spectrum optical satellites with resolution better than 0.5 m. After the completion of the "Nuwa Constellation", earth observation can be performed once every hour with clearer images, richer colors, more visual identification and more accurate location, and we will have the world-class remote sensing data acquisition capability. The fusion of space constellation and ground applications will help PIESAT occupy the leading position in commercial aerospace.





SUCCESSFUL LAUNCH

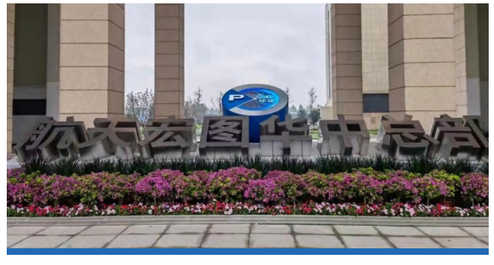
On March 30, 2023, the satellites of the PIESAT-1 constellation were launched, marking an important milestone in the development of PIESAT, which will make PIESAT the first whole satellite industry chain enterprise in China. The PIESAT-1 constellation composed of 4 radar satellites is capable of efficient topographic surveys for global land, all-day, all-weather and high-resolution wide swath imaging, and providing deep application services for natural resource, emergency response, transportation, environment, marine, water conservancy and other industry sectors. The Company has planned a global real-time remote sensing hybrid constellation at the same time and is expected to develop an internationally advanced satellite constellation and globally oriented operational service capability in 3 years. PIESAT will realize new leapfrog development.



WINNING THE FIRST BIDING PROJECT AT CITY-LEVEL REMOTE SENSING COMPREHENSIVE CLOUD SERVICE

In 2021, PIESAT's Central China Headquarters and the Central China Headquarters' Satellite Operation Center were established in Hebi, with businesses covering land, emergency response, water conservancy, meteorology and other sectors, and mainly serve the surrounding provinces including Henan, Hebei, Shandong and Anhui. The Company has given full play to its own advantages, sped up the enterprise technology transformation, enabled industrial transformation and upgrading in Hebi, accelerated the satellite networking, promoted smart emergency monitoring, and also promoted the building of satellite application scenarios including space-air-ground technology integration, making a contribution to the building of Hebi into a leading satellite remote sensing application model city in China. It has been approved as an Engineering Technology Center and an Enterprise Technology Center of Hebi, participated in drawing up the satellite industry development plan and the action plan for satellite and application industry development of Henan Province, and set up the first satellite R&D and manufacturing base in Henan Province.

In 2022, the Company won the bidding for the remote sensing application system construction project of Hebi, which is the first city-level remote sensing comprehensive cloud service project of the Company. Space-air technology application scenarios will be created in multiple sectors of Hebi to form an advanced, practical, efficient, reproducible and propagable "Hebi Model", which will be promoted nationwide.



Establishment of PIESAT's Central China Headquarters in Hebi

Discussion about the Hebi Project

NEW PRODUCTS CONSTANTLY EMERGING TO SERVE DIGITAL CHINA

The PIE-Engine platform independently developed by PIESAT supports the rapid application of PIESAT Real View App, Digital Human PIE-Engine, on-orbit intelligent processing, giant constellation management and other new technologies to help make breakthroughs in new products. It provides more than 150 projects with technical support in basic capabilities and has obtained 8 patents for inventions, 30 software copyrights and 12 localized adaptations and OGC certification.

150 projects provided with technical support in basic capabilities

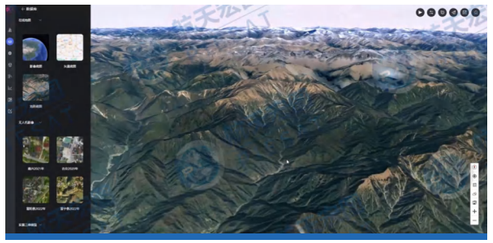
8 patents for inventions

30 software copyrights

12 localized adaptations and OGC certification

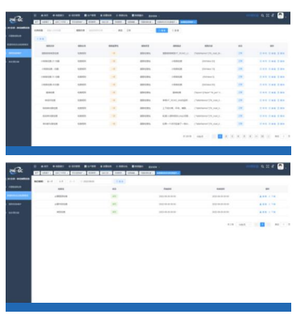
01 PIE-Earth Meta, a new generation of Digital Twin Earth

- This is a Digital Twin Earth low code building platform created through the fusion of intelligent extraction, knowledge model, mechanism model and other professional algorithms by "space-air-ground" global perception means based on advanced technologies including cloud computing, big data, artificial intelligence and game engine. This platform supports the whole-process customized development of space, industry, history, humanity, economy, nature, climate and other applications, builds high-precision 3D models into scenarios by means of pulling, drawing and dragging, establishes different industry application processes by cooperating with blueprint scenario editing, and realizes the simulation, diagnosis, prediction and decision-making self-governing of real physical space.

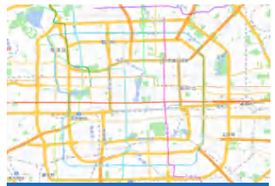



02 PIE-GC (PIE-GlobalCarto) global integrated mapping system

- A technical system characterized by integrated space-air-ground multi-source data fusion, intelligent algorithms, standardized production, and compliant security is established by using the autonomous and controllable underlying architecture. The system is compatible with standard maps, high-definition maps and topographic maps, links up multi-source data acquisition and processing, data acquisition, map output, navigation compilation and terminal utilization to each other, creates the digital bases for applications in different areas, provides digital map services for special fields, unmanned equipment, governments, automakers and operation service providers, and comprehensively improves the "data + platform + application" full-chain spatial information service level.

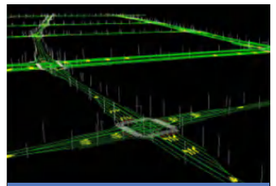


PIE-GC (PIE-GlobalCarto)



Standard map

- Vehicle-mounted electronic navigation map
- Fine electronic navigation map
- Standard electronic navigation map

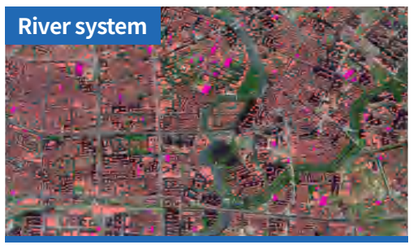


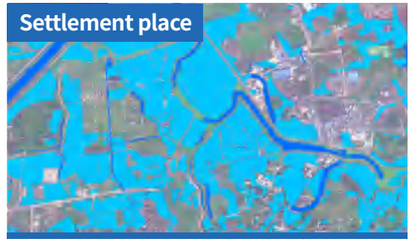
High-definition map

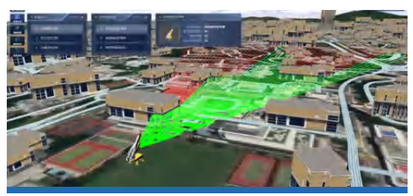
- Autonomous/unmanned driving
- City-level/component-level
- Special application

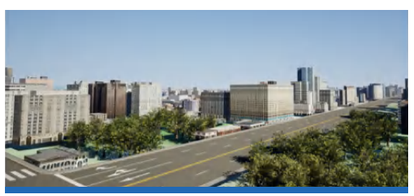
Topographic map

- Digital Line Graph (DLG)
- Digital Elevation Model (DEM)
- Multi-source data automatic fusion map









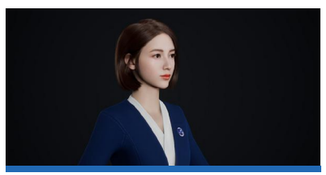
03 PIESAT Real View App

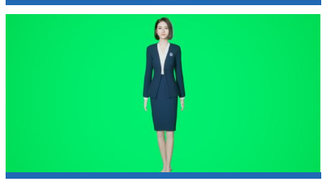
- Layered scenario layouts are formed with the DEM topography as the background, with the stylized buildings, roads, water bodies, vegetation and other models as the core content, and through the fusion of landmarks, bridges and other refined 3D models to provide users with immersive and close-to-reality 3D scene roaming experience from any perspective.

04 Digital Human PIE-Engine

- It offers abundant application scenarios for urban management, industry planning, governmental services and other fields and can be customized depending on business scenarios and adaptive and applied to different equipment including large-size offline exhibition hall screens and cloud screens of various specifications. Moreover, it can extensively combine the individual needs of natural resource, ecological environment, emergency management, meteorology, marine, water conservancy, agriculture and other industry sectors to meet their demand for digital humans.

Debut of PIE-Engine in the Smart Earth Lecture Hall salon

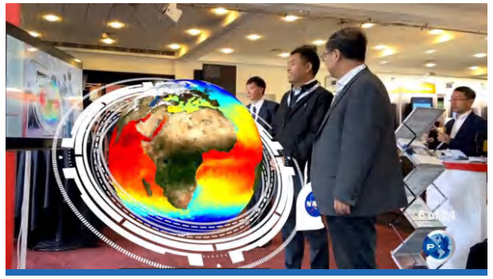




05 Virtual simulation products

- Virtual simulation technology is explored and innovated in GIS and remote sensing application services. Through the capability expansion of virtual reality and mixed reality performed by the 3D graphics engine on the Digital Earth, the multi-modal business fusion of simulation training, virtual teaching, education and science popularization, cultural and museum collection, smart cultural tourism, etc. is developed. The traditional 2D presentation methods are upgraded to 3D solutions through equipment like AR/VR/MR.

Overwater and underwater integrated monitoring system in the Greater Bay Area



Fengyun Earth AR

Live roaming of PIESAT park

Multi-person collaborative display system based on MR glasses

AR/VR/MR

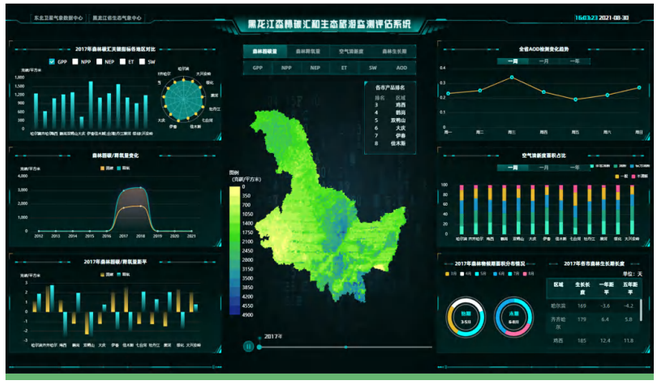
BENEFITING FUTURE GENERATIONS

- ◎ PROMOTING UPGRADES IN DUAL CARBON SERVICES
- ◎ INTELLIGENCE EMPOWERS CREATING LUCID WATERS AND LUSH MOUNTAINS
- ◎ REATING A GREEN OFFICE ENVIRONMENT

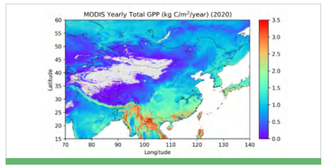
Developing new advantages in smart environmental protection

PROMOTING UPGRADES IN DOUBLE CARBON SERVICES

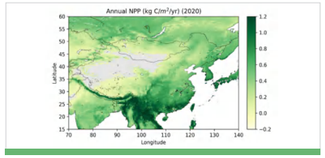
The Company actively responded to the national "dual carbon" goals. Based on multi-source remote sensing data, artificial intelligence algorithms and evaluation models, it provided such services as greenhouse gas emission monitoring and check in geographical and administrative areas, carbon source and sink evaluation, new energy evaluation and prediction, security assurance in new energy development and utilization, and spatial planning for the ecological environment to improve the real information search, problem finding, trend evaluation, information sharing, planning and governance capabilities of cities, to help the achievement of the "dual carbon" goals, and to lay a solid foundation for industrial structure adjustment and territorial spatial planning.



Heilongjiang Province's Regulatory Assessment System for Forest Carbon Sink and Ecotourism



Annual cumulative value of GPP based on MODIS

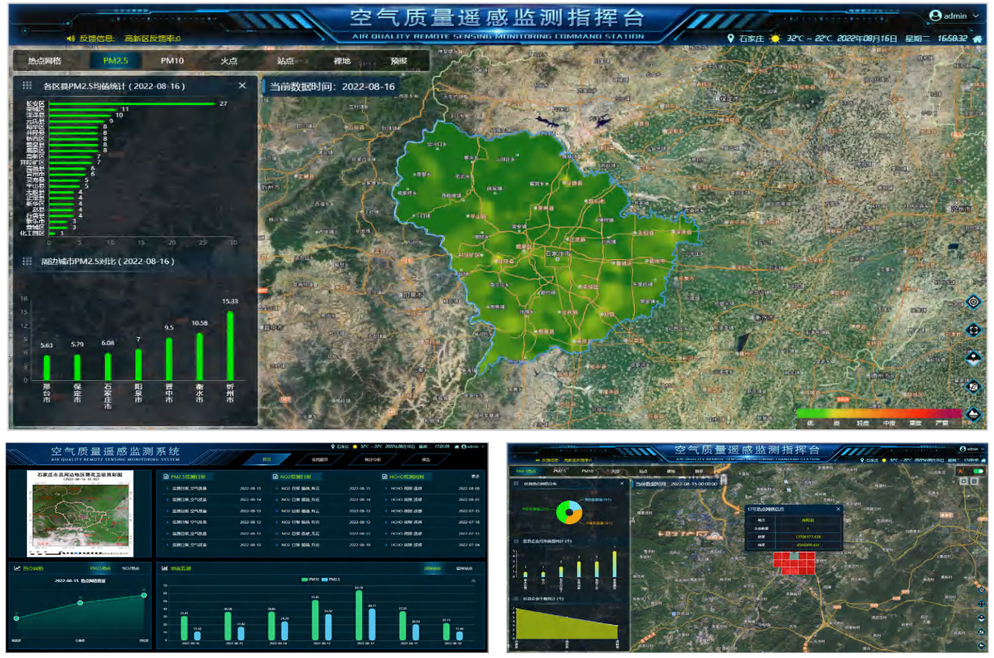


Annual cumulative value of NPP

INTELLIGENCE EMPOWERS CREATING LUCID WATERS AND LUSH MOUNTAINS

01> Boost the reduction of pollution and carbon emission

Winning the blue sky defense battle is the top priority in the determined battle to prevent and control pollution. It is proposed in the"14th Five-Year Plan" that "the goal of building a Beautiful China will be met" and "new progress will be made in building an ecological civilization" by 2035. "Smart environmental protection" and "digital environmental protection" were promoted through the smart control platform to systematically build and enhance air pollution prevention and control capability and boost the refined control of the atmospheric environment.Before an event, efforts were made from the monitoring end by enriching monitoring means and improving monitoring precision; during the event, analyses and control were strengthened to build a closed loop of online and offline coordination; after the event, the evaluation was improved, and the prediction and early warning solutions were provided through deep learning and simulation drilling algorithms based on data precipitation.



Air quality remote sensing, monitoring and command platform

02> Boost the construction of zero-waste cities

On April 24, 2022, the Ministry of Ecology and Environment released the list of "zero-waste cities" to be constructed during the "14th Five-Year Plan" period, and a total of about 100 pilot areas and cities were determined among the 4 municipalities directly under the Central Government and the 31 provinces (autonomous regions). In view of problems including much illegal pollutant discharge, few monitoring means and great difficulty in supervision in cities,PIESAT gave full play to its own advantages, established a space-air-ground integrated monitoring and supervision system based on multi-source satellite, UAV and field verification data, identified solid waste based on the spectrum, texture and spatial combination features of solid waste, and offered solid waste monitoring and extraction products.

Solid waste supervision map

03> Boost the building of a "Digital Twin Watershed"

Based on the development of computing power, algorithm and computing data, a watershed is taken as a unit to perform precise digital mapping, synchronous simulation operation and virtual-real interaction for all elements of the physical watershed and the whole process of water governance and management activity. The reality is mapped digitally and multiple water conservancy models are integrated to establish a knowledge graph dominated by relationships and build a "Digital Twin Watershed", thus mastering the water resource dynamics of the watershed in real time and supporting the waterfront space management.

"Digital Twin Watershed" model platform

CREATING A GREEN OFFICE ENVIRONMENT

PIESAT strictly abides by the Environmental Protection Law of the People's Republic of China, the Law of the People's Republic of China on Environmental Impact Assessment, and other relevant laws and regulations. Its daily operation does not involve the discharge of traditional industrial wastewater, waste gas, refuse and noise.

On June 6, 2022, the PIESAT Building was officially opened, which means that we, the PIESAT people, have our own office building. With a floor area of 13,000 square meters, the building is well-equipped and has a beautiful environment. The PIESAT Building was decorated with environment-friendly materials and electrical appliances with low energy consumption to reduce the adverse impact of decoration on the environment. Since the opening of the building for office purposes, the water and electricity saving principle has been adhered to, and the power supply is turned off when no one is left in the office areas and exhibition halls. Toilets are equipped with classified garbage bins. PIESAT has responded to the Beijing Municipal Regulations on the Management of Municipal Solid Waste to build itself into a green enterprise and promote the development of ecological civilization.

STRIVING FOR THE FIRST

◎ UPGRADING ENTERPRISE TRAINING SYSTEM ◎ KEY EMPLOYEE SHARE INCENTIVE PLAN

Building a new pattern of strengthening the enterprise through human resource development

UPGRADING ENTERPRISE TRAINING SYSTEM

PIESAT attaches importance to the career development and skill improvement of employees and works hard to provide employees with a broader development platform. During the COVID-19 pandemic, PIESAT established and improved its employee training system, further increased the sessions and intensity of online training based on the enterprise university, and developed training courses fit for employees.

New recruits → Sales personnel → Technician → Functional personnel

(Tutorial system, medium-term examination, regularization and debriefing)

EQUITY INCENTIVE PLAN FOR KEY EMPLOYEES

The Company knows very well that human resources are the foundation of the Company and its development. To attract and retain human resources, the Company has implemented a restricted share incentive plan since 2020, which binds employee incentives with enterprise development to fully motivate the Company's core teams and backbone employees so that they can work with more integrity and diligence, thus ensuring the steady improvement of the Company's performance and the achievement of the Company's development strategies and operational objectives. In 2022, a total of 91 employees received incentives, including core technicians, middle-level and above management and backbone employees, with a total of 1.27 million shares granted.

ECOLOGICAL INTERCONNECTION

Opening a new chapter of working together to succeed

- EMPOWERING THE CONSTRUCTION OF DISCIPLINES AND MAJORS
- ECOLOGICAL PARTNERSHIP PROGRAM
- DEEPLY CULTIVATING THE SECOND GROWTH CURVE, AND CREATING SMART CITY MODELS
- CO-CONSTRUCTION OF LABORATORIES AND ENGINEERING CENTERS

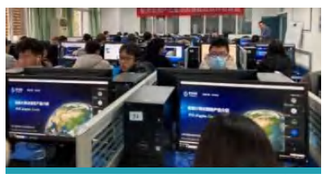
EMPOWERING THE CONSTRUCTION OF DISCIPLINES AND MAJORS

Education is the foundation of national development in the long run. General Secretary Xi Jinping emphasized in the Report to the 20th National Congress of the Communist Party of China that education, science and technology, and human resources are the foundational and strategic pillars for building a modern socialist country in all respects. The development of the trinity of education, science and technology, and human resources should be sped up to lay a solid human resources foundation and provide strong strategic support for building a modern socialist country in all respects. The application-oriented personnel training in high-precision remote sensing techniques is rooted in industrial development to serve the industrial and enterprise demands, linked with vocational posts, and implemented in major construction through the linkage of industry, trade, enterprise, occupation and major, thus promoting employment.

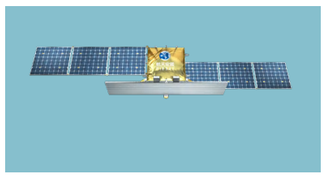
PIESAT, based on its independently developed remote sensing software PIE, worked with the top remote sensing teaching teams on publishing the first systematic remote sensing software tutorial in China. The Company offers colleges and universities all-round services including teaching materials, platform, curriculum system, teachers, skill certification and practice bases from basic data processing to industrial in-depth application and from application in a single industry to multi-industry fusion through the deep combination of the industrial and market situations.

Remote sensing-related majors

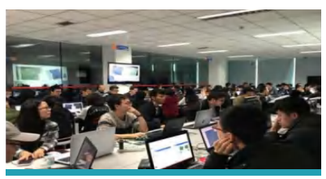
10	100	100+	400+	160+
covering over 10 trades	over 100 training courses	full-time trainers	colleges and universities covered by the training	regional branches



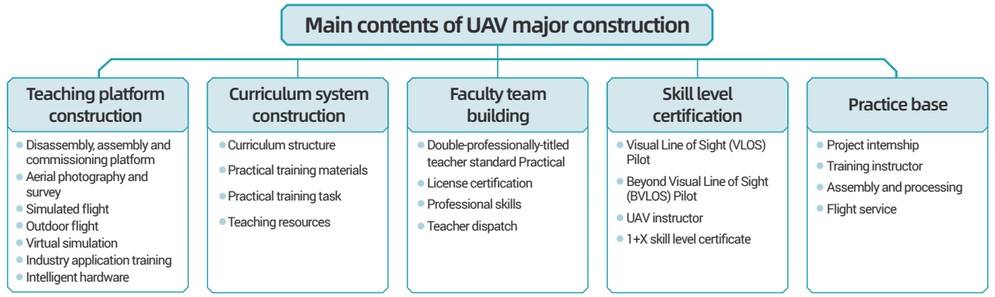






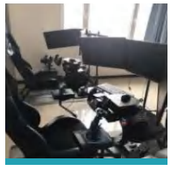


UAV major

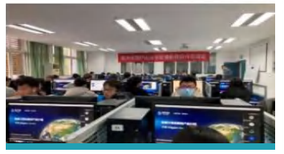



UAV exhibition hall


UAV power training room


Simulated flight training room


UAV assembly and commissioning training room


Industry application training room


Indoor training room

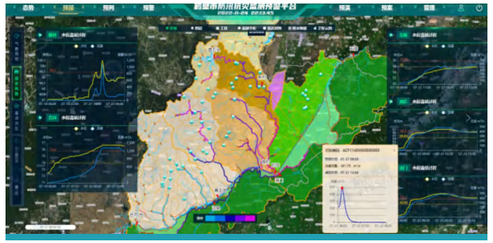
ECOLOGICAL PARTNERSHIP PROGRAM

PIESAT, as a leading satellite operation and application service provider in China, relies on its perfect self-developed products, technical strength, brand influence and other superior resources and collaborates with external diversified ecological partners to build a smart spatial information industry ecosystem characterized by sustainable development and win-win partnership through such means as technical cooperation, service agent and business opportunity sharing.

Over the years, the Company has combined its own industry advantages to actively promote the deep fusion of different industries. Up to now, the Company has signed a Strategic Cooperation Agreement with Huawei, Baidu, Hikvision, 360, CESTC, China Mobile, China Telecom, China Unicom, China Tower and other well-known enterprises respectively to make joint efforts to build a digital China through deep fusion based on both parties' technical advantages.

DEEPLY CULTIVATING THE SECOND GROWTH CURVE, AND CREATING SMART CITY MODELS

The Smart Hebi Spatiotemporal Big Data Platform Construction Project is committed to creating national pilot characteristics. In accordance with the overall development objective of "one data system, one cloud center, three versions of platforms, five empowerment items and six innovations", the big data resources about urban space information are integrated to build a spatiotemporal big data system. With supporting digital government construction as the core, the basic capability cloud center for the platform is built. An innovative service architecture system for the spatiotemporal big data platform is established to provide basic and efficient spatiotemporal service support for the smart city construction and economic and social development of Hebi and effectively promote the high-quality economic development of Hebi.



Hebi spatiotemporal big data platform

CO-CONSTRUCTION OF LABORATORIES AND ENGINEERING CENTERS

Build 1 Beijing municipal engineering laboratory, 2 key laboratories of the Ministry of Natural Resources and 4 engineering technology innovation centers of the Ministry of Natural Resources jointly with the Ministry of Natural Resources.

1 Beijing municipal engineering laboratory

- Beijing Municipal Engineering Laboratory for Key Technologies of Satellite Remote Sensing Image Processing and Analysis

2 key laboratories of the Ministry of Natural Resources

- Key Laboratory of Natural Resource Monitoring and Regulation in Southern Hilly Areas
- Key Laboratory of Strategic Metallic Ore Probing Theory and Technology

4 engineering technology innovation centers of the Ministry of Natural Resources

- Landsat Remote Sensing and Monitoring
- Collaborative Application of Remote Sensing, Surveying and Mapping in the South China Sea
- Intelligent Monitoring and Risk Warning of Geological Hazards
- Integrated Application of Remote Sensing and Navigation

PIESAT has been approved for the 2023 Open-ended Subject of the Ministry of Education Key Laboratory for Earth System Modeling, Tsinghua University, and further achieved deep cooperation in atmospheric model development. The subject is intended to break through the barrier between short-term weather forecasts and long-term climate forecasts through the improvement of the convective parameterization scheme, thus achieving integration of short- and long-term simulation.

2022年地球系统数值模拟教育部重点实验室（清华大学）开放基金课题申请结果公示

发布时间：2022-12-10

《地球系统数值模拟教育部重点实验室（清华大学）开放基金课题申请指南(2022年)》自2022年10月发布以来，收到众多国内研究人员的申请。评审委员会通过综合考量候选人的学术创新点、对学科的贡献与影响、以及研究成果与清华大学联合地球系统模式的结合度，最终选定资助以下八位研究人员的课题。现将评选结果公示如下（按获奖者姓氏拼音排序）：

序号	申报专项名称	申报人	工作单位	课题名称
1	P01专项：分量模式研究与发展	常锦峰	浙江大学	ORCHIDEE-MICT草地模块参数优化及其与CIESM耦合研究
2	P01专项：分量模式研究与发展	李晓涵	航天宏图信息技术股份有限公司	双向对流方案对CIESM模拟降水的影响研究
3	P01专项：分量模式研究与发展	岳 超	西北农林科技大学	陆面模式土地利用和森林管理过程优化
4	P02专项:算法或数据集	姚盼盼	中国科学院空天信息创新研究院	基于SSMI微波亮温的长时序土壤水分遥感数据集
5	P02专项:算法或数据集	俞 乐	清华大学	长时序高时空精度植被动态型数据集
6	P03专项:分量模式评估与分析	郭增元	国家气候中心	CIESM对人为气溶胶影响东亚夏季风的模拟评估
7	P03专项:分量模式评估与分析	宋丰飞	中国海洋大学	CIESM模式对热带降雨季节循环的模拟评估
8	P03专项:分量模式评估与分析	赵 龙	西南大学	基于陆气水热耦合关键参数优化的地球系统模式改进研究

公示期为2022年12月15日至2022年12月22日。

PIESAT has signed a Strategic Cooperation Agreement with the scientific research team of Academician Yue Qingrui. Focusing on the major demand for the construction of national and Henan provincial urban security assurance systems, the two parties will highlight professional characteristics and give full play to their respective advantages to jointly carry out research on space-air-ground integrated urban security monitoring and emergency response technologies, drive the technological innovation of space- and air-based remote sensing and monitoring in the urban security field, accelerate the transformation of innovative products, cultivate innovative talents, speed up the development of urban security assurance systems, and promote the application of relevant technologies in Henan Province and the whole country.

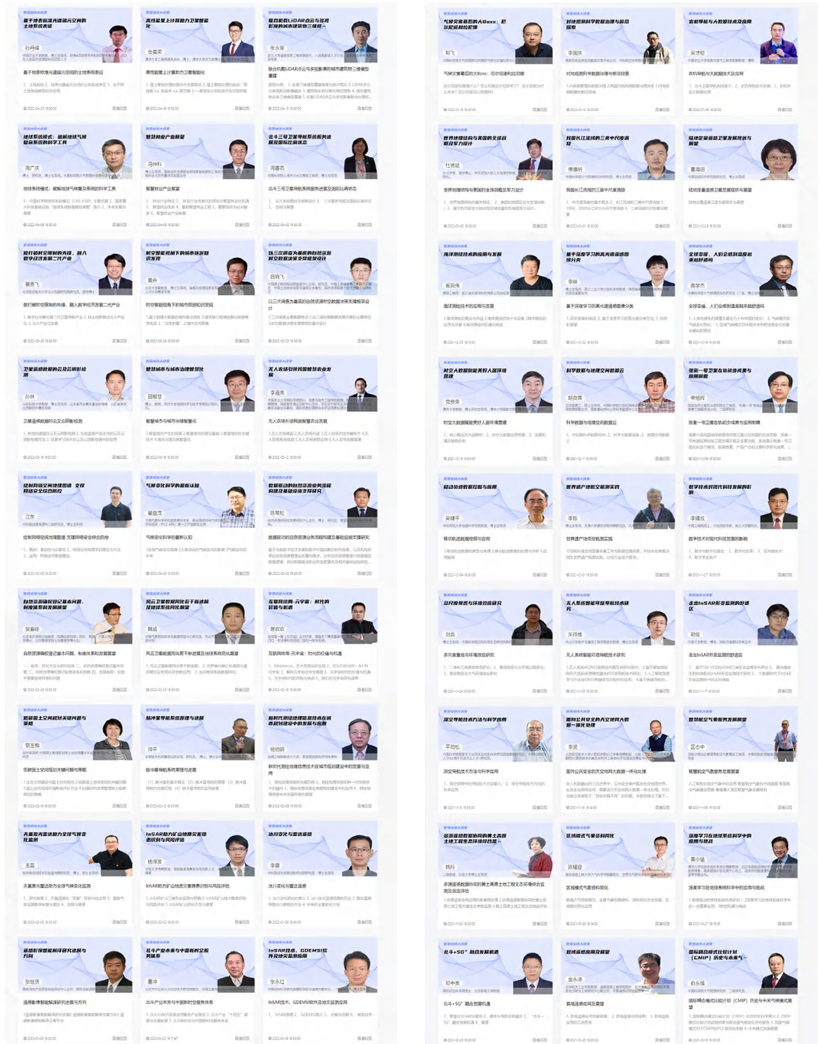
CONVERGING INTELLIGENCE AND RESOURCES

Embracing the new mission of public welfare responsibility

- SMART EARTH LECTURE HALL
- VOLUNTEERING IN LEADING SCIENCE POPULARIZATION
- INTEGRATING INDUSTRY INTO COLLABORATIVE EDUCATION
- PIESAT'S ASSUMPTION OF PUBLIC RESPONSIBILITIES IN COVID-19 PREVENTION AND CONTROL

SMART EARTH LECTURE SERIES

The "Smart Earth Lecture Hall" of PIESAT is committed to telling the latest cutting-edge technologies and tracking real-time hotspots. Well-known academicians, experts and outstanding young persons in such fields as aerospace, natural resource, ecological environmental protection, agriculture and rural areas are specially invited to interpret the hottest technologies at the moment. So far, the column has more than 200 issues. Famous experts and scholars in the industry are invited to give forward-looking reports twice a week, which are open free of charge both inside and outside the industry and have attracted nearly a million people in total to participate.



THE COLUMN HAS OVER 200 ISSUES SO FAR.

INTEGRATING INDUSTRY INTO COLLABORATIVE EDUCATION

The "Smart Earth Lecture Hall" of PIESAT is committed to telling the latest cutting-edge technologies and tracking real-time hotspots. Well-known academicians, experts and outstanding young persons in such fields as aerospace, natural resource, ecological environmental protection, agriculture and rural areas are specially invited to interpret the hottest technologies at the moment. So far, the column has more than 200 issues. Famous experts and scholars in the industry are invited to give forward-looking reports twice a week, which are open free of charge both inside and outside the industry and have attracted nearly a million people in total to participate.

S/N	Subject	University	Project type
1	Joint Laboratory for "Space-Air-Ground" 3D Collaborative Identification, Monitoring and Early Warning of Mine Geological Hazards	Shanxi Institute of Energy	Practice conditions and practice base construction
2	Industry-University-Institute Training Base for Cloud Computing in Remote Sensing	Capital Normal University	Practice conditions and practice base construction
3	Joint Laboratory for Cloud Computing Innovation in Urban Environmental Remote Sensing	Tianjin Chengjian University	Practice conditions and practice base construction
4	Joint Innovation Laboratory for Grassland Remote Sensing and Ecological Monitoring	Inner Mongolia University of Technology	Practice conditions and practice base construction
5	Training and Seminars on Case Building Capacity for Big Data and Smart Geography Application Courses Based on the PIE Platform	Tianjin University	Faculty training
6	Research on Situational International Foreign Language Teaching Based on PIE-Map Technique	Capital Normal University	Teaching content and curriculum system reform
7	Reform and Practice of the Curriculum "Land Reclamation Science" Based on PIE-Engine - Taking the Teaching of Ecological Monitoring Module in Mining Area for Example	China University of Mining and Technology-Beijing	Teaching content and curriculum system reform
8	Teaching Reform and Development of Integrating PIE Software with Remote Sensing Curriculum under Deep Industry-Education Integration	Taiyuan University of Technology	Teaching content and curriculum system reform
9	Teaching Reform and Practice of Remote Sensing Science and Technology Curriculum Group under the Background of Emerging Engineering	Inner Mongolia University of Science & Technology	Teaching content and curriculum system reform
10	Development of the Curriculum "Land Information Technology" and Reform of the Teaching System in Agriculture-related Colleges and Universities through Deep Fusion of PIE	China Agricultural University	Teaching content and curriculum system reform
11	Practice Course Reform for "Photogrammetry" under the Mode of Application-oriented Talents Cultivation	Shijiazhuang University	Teaching content and curriculum system reform
12	Research on Blended Teaching System for Geo-Remote Sensing Big Data Analysis and Application - Taking PIE for Example	China University of Geosciences, Beijing	Teaching content and curriculum system reform
13	Development and Practice of the Core Curriculum "Geographic Information System Engineering" through Fusion of PIE	Peking University	Teaching content and curriculum system reform
14	Development of the International Curriculum of Remote Sensing Technique and Its Application in Emergency Rescue Based on PIE	China Fire and Rescue Institute	Teaching content and curriculum system reform
15	Research on the Reform of the Teaching Method for the Extraction of Geoscience Information from Remote Sensing Image Based on PIE Support	Handan University	Teaching content and curriculum system reform
16	Research on the Development of Practice Teaching System for Remote Sensing Image Processing in Application-oriented Undergraduate Institutions under the Background of Emerging Engineering	North China Institute of Aerospace Engineering	Teaching content and curriculum system reform
17	Fundamentals and Case-based Experimentation of Agricultural Application of PIE Remote Sensing	Shanxi Agricultural University	Teaching content and curriculum system reform
18	Reform of Practice Teaching for Microwave Remote Sensing Curriculums through Integration of PIE-SAR Software	Hebei University of Engineering	Teaching content and curriculum system reform
19	Development and Practice of the Curriculum "Application of Artificial Intelligence in Remote Sensing" Based on PIE Support	China University of Mining and Technology-Beijing	Teaching content and curriculum system reform
20	Development and Practice of a Comprehensive Practice Teaching System for Surveying and Mapping Majors Based on PIE Series Software	Beijing University of Civil Engineering and Architecture	Teaching content and curriculum system reform
21	Teaching Reform and Development for the Curriculum Group of Remote Sensing Digital Image Processing Based on PIE	Beijing Union University	Teaching content and curriculum system reform
22	Teaching Case Demonstration Curriculum Development and Teaching Reform and Practice Using PIE Software in the Curriculum "Agricultural Big Data"	Shanxi Agricultural University	Teaching content and curriculum system reform
23	Research on Reform of Blended Teaching for Remote Sensing Curriculums in the "Big Data +PBL" Mode	Inner Mongolia Agricultural University	Teaching content and curriculum system reform
24	Teaching Reform and Practice of the Curriculum "Remote Sensing Digital Image Processing" Based on PIE Software	Jilin Normal University	Teaching content and curriculum system reform
25	Information Construction and Exploration of Remote Sensing Series Curriculums under the Background of Emerging Engineering	Heilongjiang University of Science and Technology	Teaching content and curriculum system reform

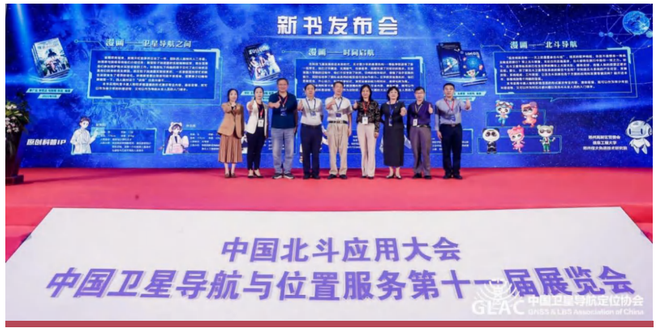
S/N	Subject	University	Project type
26	Research on Virtual Construction Technology of High-rise Building in Complex Environment Based on PIE-Map+BIM	Harbin Institute of Technology	Practice conditions and practice base construction
27	Design and Practice of PIE-based Secondary School Geography Teaching Case from the Perspective of Key Competencies	Changchun Normal University	Practice conditions and practice base construction
28	Development of Teaching Materials for Remote Sensing Practice with Maritime Characteristics Based on PIE Software	Dalian Maritime University	Practice conditions and practice base construction
29	Project-driven Teaching Reform and Development for UAV Low Altitude Remote Sensing Curriculums	University of Science and Technology Liaoning	Teaching content and curriculum system reform
30	Exploration of Curriculum Group Reform and Development for Major in Land Resource Management Based on Practical Application of PIE Software under Industry-Education Integration	Shenyang Agricultural University	Teaching content and curriculum system reform
31	Reform Practice of Remote Sensing Science Education Based on PIE Platform	Shenyang Jianzhu University	Teaching content and curriculum system reform
32	Exploration and Practice of Teaching Reform for Remote Sensing Curriculums under the Background of Emerging Engineering	Shenyang Agricultural University	Teaching content and curriculum system reform
33	Reform and Development of Web GIS Curriculum System under Deep Industry-Education Integration	Liaoning Normal University	Teaching content and curriculum system reform
34	Remote Sensing Education and Popular Science Base Oriented to Normal Characteristics and under Ideological and Political Education	Central China Normal University	Practice conditions and practice base construction
35	Intelligent PIE-ENGINE Processing Cloud Platform for Spatiotemporal Big Data	Henan Polytechnic University	Faculty training
36	Creating the Insightful First-class Curriculum "Geo-Remote Sensing"	Henan Polytechnic University	Teaching content and curriculum system reform
37	Development of Smart Land Curriculum Group Based on PIE	Huazhong Agricultural University	Teaching content and curriculum system reform
38	Practice Teaching Research Based on PIE - Taking the Curriculum "Urban Water Works" for Example	China Three Gorges University	Teaching content and curriculum system reform
39	Research on Teaching Reform of Experimental Course for Geographic Information System	China University of Geosciences, Wuhan	Teaching content and curriculum system reform
40	Remote Sensing Practice Course Development and Teaching Material Compilation Based on PIE	Xinyang Normal University	Teaching content and curriculum system reform
41	Online and Offline Blended Teaching Reform Based on "Learning and Application Complementing Each Other" for Remote Sensing Curriculums Supported by PIE Software	Central South University	Teaching content and curriculum system reform
42	Exploration and Practice of Blended Teaching Mode for Remote Sensing Application Curriculums Based on Accurate Teaching	Central South University of Forestry and Technology	Teaching content and curriculum system reform
43	Construction of PIESAT Smart Urban Space Information Laboratory	Nanjing Tech University	Practice conditions and practice base construction
44	Exploration of Industry-University Integrated Collaborative Education Mode for Major in Geographic Information Science in Local Application-oriented Colleges and Universities	Zhejiang A&F University	Practice conditions and practice base construction
45	BDSHARE Remote Sensing Education and Popular Science Practice Teaching Base	Jiangxi Normal University	Practice conditions and practice base construction
46	Faculty Training in Domestic Remote Sensing Software PIE and Its Application in Mine Ecological Restoration	Shanxi Agricultural University	Faculty training
47	Mining and Exploration of Ideological and Political Elements in Remote Sensing Curriculums with "PIE + Discipline Characteristics" Integration	Anhui University of Science & Technology	Faculty training
48	Establishment and Implementation of Curriculum Training Mode for Innovative Talents in Surveying and Mapping with the Aid of PIE and Software	Shandong University of Science and Technology	Teaching content and curriculum system reform
49	MOOC Development and Practice Research for "Introduction to Remote Sensing" through Integration of Resources from the PIE Platform	Qilu University of Technology	Teaching content and curriculum system reform
50	Practice Teaching for Technical Hazard Reduction in "Hazard Geography"	Nanjing Normal University	Teaching content and curriculum system reform
51	Reform and Development of Comprehensive Practice Course for Remote Sensing Digital Image Processing under Industry-Education Integration	Chuzhou University	Teaching content and curriculum system reform
52	Design and Practice of Deep Integration of PIE-Engine Series Software into the Professional Curriculum System of "Meteorological Technology and Engineering"	Nanjing University of Information Science & Technology	Teaching content and curriculum system reform
53	Development of MOOC "Remote Sensing Digital Image Processing" Based on PIE	Shandong University of Science and Technology	Teaching content and curriculum system reform
54	Online and Offline Development and Reform of the Remote Sensing Digital Image Processing Curriculum Based on PIE	Liaocheng University	Teaching content and curriculum system reform
55	Curriculum Development for Remote Sensing and GIS Case Analysis and Application Based on PIE Remote Sensing Technique	Nanjing Forestry University	Teaching content and curriculum system reform
56	Construction of an Industry-University-Institute Training Base for Cloud Computing in Agricultural Remote Sensing Based on the PIE Platform	Shandong Agricultural University	Teaching content and curriculum system reform
57	Construction of an Industry-University-Institute Collaborative Education Base for Multi-source Remote Sensing Data Processing and Application	Guangdong University of Technology	Practice conditions and practice base construction
58	Virtual Simulation Training Room for Immersive Teaching of UAV Remote Sensing in Agriculture	South China Agricultural University	Practice conditions and practice base construction
59	Development of Virtual Teaching and Research Office for Smart Tourism Based on Geographic Big Data	Huizhou University	Teaching content and curriculum system reform
60	First-class Curriculum Development and Practice for Information-based Surveying and Mapping of Architectural Heritage Based on PIE Software Support	Wuyi University	Teaching content and curriculum system reform
61	Development and Reform of Practice Courses on Remote Sensing in Local Colleges and Universities from a Multimodal Perspective	Jiaying University	Teaching content and curriculum system reform
62	Curriculum System Development for Remote Sensing Image Processing and Application Based on PIE Software	Xiamen University of Technology	Teaching content and curriculum system reform
63	Development of Practice Course for Regional Ecosystem Services Value Measurement and Mapping Based on Domestic Software PIE	Lingnan Normal University	Teaching content and curriculum system reform
64	Industry-University-Institute Training Base for Intelligent Interpretation of Remote Sensing Big Data	Northwestern Polytechnical University	Practice conditions and practice base construction
65	Reform and Development of Curriculum Group for Agricultural Application of Remote Sensing from the Perspective of Industry-Education Integration	Gansu Agricultural University	Faculty training
66	Teaching Reform Project for Application of PIE Remote Sensing Image in Digital Cultural Tourism	Xi'an University	Teaching content and curriculum system reform
67	Experimental Reform and Teaching Material Development for the Curriculum "Hyperspectral Remote Sensing" based on PIE-Hyp	Lanzhou Jiaotong University	Teaching content and curriculum system reform
68	Reform and Development of Hyperspectral Remote Sensing Curriculum Based on PIE-Hyp	Xi'an University of Science and Technology	Teaching content and curriculum system reform
69	Collaborative Construction of Virtual Teaching and Research Office for Remote Sensing in Key Karst Zone	Guizhou Normal University	Practice conditions and practice base construction
70	Construction and Practice of Industry-University-Institute Practice Base Based on PIE-Engine Studio Remote Sensing Computing Cloud Service	University of Electronic Science and Technology of China	Practice conditions and practice base construction
71	Joint Development of "Experimentation of Remote Sensing in Disaster" through University-Industry Cooperation	Chengdu University of Technology	Teaching content and curriculum system reform
72	Online and Offline Integrated Curriculum Group Development for Intelligent Processing of Remote Sensing Images of Mountainous Cities with the Support of PIE	Chongqing Jiaotong University	Teaching content and curriculum system reform
73	Applied Research on Integration of PIE into Secondary School Geography Teaching Based on University-Industry Cooperation	Mianyang Teachers' College	Teaching content and curriculum system reform
74	Research on Teaching Reform for Collaborative Education by PIE-Based Programming Curriculum Instruction and Ideological Education	Chengdu University	Teaching content and curriculum system reform
75	Research on the Construction and Teaching Reform of Remote Sensing Curriculum System Based on OBE-CDIO	Guizhou University of Engineering Science	Teaching content and curriculum system reform

VOLUNTEERING IN LEADING SCIENCE POPULARIZATION

The "Smart Earth Lecture Hall" of PIESAT is committed to telling the latest cutting-edge technologies and tracking real-time hotspots. Well-known academicians, experts and outstanding young persons in such fields as aerospace, natural resource, ecological environmental protection, agriculture and rural areas are specially invited to interpret the hottest technologies at the moment. So far, the column has more than 200 issues. Famous experts and scholars in the industry are invited to give forward-looking reports twice a week, which are open free of charge both inside and outside the industry and have attracted nearly a million people in total to participate.

01 Popular science comic book Comic-Questions about Satellite Navigation

- On September 21, Conference of BDS Applications and the 11th Annual Conference of GNSS & LBS raised the curtain in Zhengzhou, during which, the popular science comic book Comic-Questions about Satellite Navigation was released. In the popular science comics about satellite navigation, PIESAT participated in the general conception, planning, design and text writing.



02 Digital economy scenario base

- The 2022 Beijing Digital Economy Experience Week with the theme "Digital Economy ·Near at Hand" officially came to an end on July 26. In the activity, the satellite operation and application service exhibition hall of PIESAT Information Technology Co., Ltd. (hereinafter referred to as "PIESAT") was selected as one of the 25 digital economy scenario bases in the "Digital Science Popularization" section and attracted relevant leaders and responsible persons of committees, offices and bureaus of districts and counties of Beijing and leaders of relevant enterprises to visit.

03 100 questions about aerospace knowledge

- In compliance with China's strategy to become a major power in space and in combination with PIESAT's core mission of "making remote sensing into our life", PIESAT cooperated with CMGyunting to create the column "100 questions about aerospace knowledge", which aims to popularize space science from the perspective of the public. The first issue was put online on the Space Day of China on April 24.

COVID CONTROL DEMONSTRATING PUBLIC RESPONSIBILITIES OF PIESAT

On October 15, a sudden outbreak of the COVID-19 pandemic occurred in Shaoyang County, Hunan Province, causing the local project resident personnel of PIESAT to be locked down in Shuanghe Community, Tangdukou Town, Shaoyang County. Upon becoming aware of the shortage of epidemic prevention personnel in the community, two resident persons of PIESAT, after obtaining the approval of the Company, applied to the local community to serve as volunteers in the name of Hunan PIESAT to participate in epidemic prevention and control.

They overcame the difficulty of shortage of necessities. In addition to volunteer work, they also finished project-related work remotely. They were recognized by the community and the Project Owner for their professionalism and volunteerism and they also demonstrated the assumption of public responsibilities of PIESAT.

HONORS OF 2022

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READER FEEDBACK

Dear readers,

Thank you very much for taking time out of your busy schedule to read the 2022 Annual ESG Report of PIESAT Information Technology Co., Ltd. In order to provide you and other stakeholders with more valuable information and effectively promote the Company to improve its ability and level of fulfilling social responsibilities and optimize the quality of ESG reports, we are sincerely looking forward to your opinions and suggestions.

Multiple-choice (please tick your choice)

1.Your overall assessment of this Report:

☐ Very good ☐ Good ☐ General ☐ Bad ☐ Very bad

2.What do you think of the responses to and disclosure of the concerns of stakeholders in this Report?

☐ Very good ☐ Good ☐ General ☐ Bad ☐ Very bad

3.What do you think of the performance of PIESAT in fulfilling its social responsibilities?

☐ Very good ☐ Good ☐ General ☐ Bad ☐ Very bad

4.What do you think of the performance of PIESAT in energy conservation and environmental protection?

☐ Very good ☐ Good ☐ General ☐ Bad ☐ Very bad

5.What do you think of the performance of PIESAT in business management?

☐ Very good ☐ Good ☐ General ☐ Bad ☐ Very bad

6.What do you think of the clarity, accuracy and completeness of the information, indicators and data disclosed in this Report?

☐ Very good ☐ Good ☐ General ☐ Bad ☐ Very bad

7.Do you think the layout and design of this Report are reader-friendly?

☐ Yes ☐ No

You may give us your precious feedback or suggestions in the way described below:

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What do you say about PIESAT and the content of this Report?

Your contact information:

Name _____ Tel. _____ Employer _____ Position _____

Email _____ Postal address _____