

Introduction of Digsur

Beijing Digsur Science and Technology Co., Ltd.

Beijing Digsur Science and Technology Co.,Ltd

2021 • Beijing

01. Overview of Digsur Company

Beijing Digsur Science and Technology Co., Ltd : National High-Tech Enterprise (2011 ~ 2020) 、 China's leading enterprise in the geographic information industry, it has been rated as one of the top 100 enterprises in China's geographic information industry for four consecutive years (ranked 38 in 2019)、 a high-tech enterprise in Zhongguancun (2011 ~ 2021) ; founded in 2004, the first batch of the companies listed in the New Three Board in 2014.

Registered Capital: 77.46 million RMB

Industry: Surveying and Mapping Geographic Information Industry (Modern Service Industry)

Clients: Government units, public administration agencies, enterprises and institutions



Top 100 Enterprise in China's Geographic Information Industry



National High-Tech Enterprise



Zhongguancun High-tech Enterprise



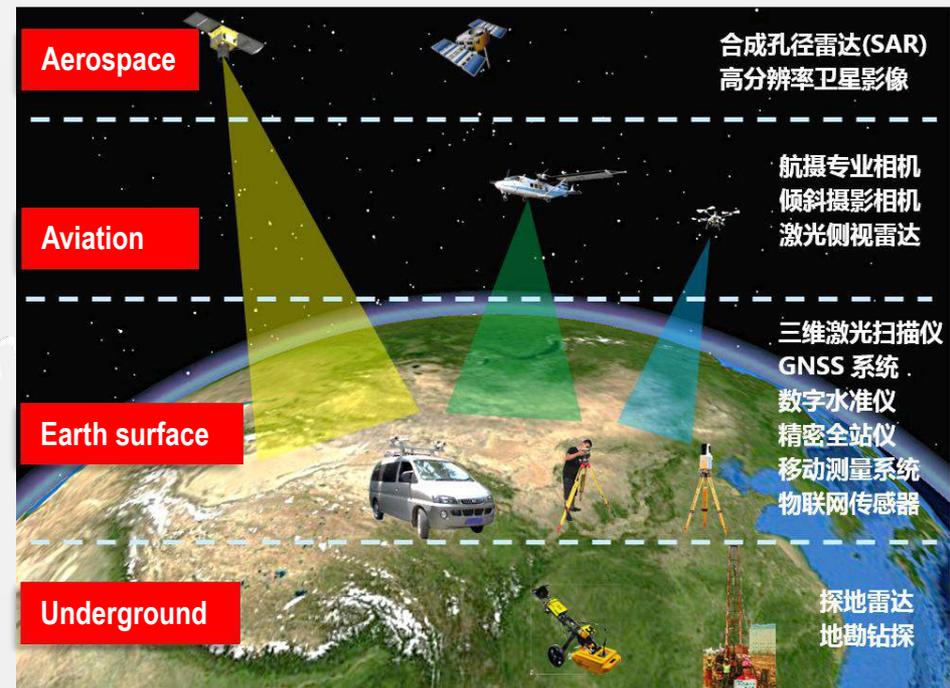
High Growth Top 50 Enterprises of China's Geographic Information Industry

01. Overview of Digsur Company

Digsur company comprehensively applies such technologies as satellite remote sensing, aerial photography, surface precision mapping, underground geological exploration, Internet of Things, and big data, and is committed to the whole life cycle spatial information collection, dynamic monitoring, application management, etc. in urban construction, natural resources and cultural heritage services.

Short-term Goals: Consistently upgrade and transform into a geospatial big data servicer, to be the leading enterprise in China's geographical information industry.

Medium-and long-term Goals: To be the world leader in the collection of spatial geographic information.



Brand Influence

- One of China's top 100 geographic information enterprises;
- National class-A qualification for surveying and mapping (8 items, ranking first in the industry);
- Supporting unit of Professional Committee of Cultural Heritage Protection of Chinese Society for Geodesy Photogrammetry and Cartography;
- Outstanding unit of scientific and technological innovation of Chinese Society for Geodesy Photogrammetry and Cartography;
- Supervisor unit of China Association for Geographic Information System;
- A Standing council unit of Beijing Land Science Society;
- The only enterprise obtained dual qualifications of military/civil aviation flight program design domestically;
- Director council unit of Aviation Special Committee of Central Netcom Civil-Military Integration Alliance.

Technology Advantages

Digsur company has occupied the commanding heights of technological competition through innovative applications and boasts various international advanced technologies;

Reaches fields including 3D mapping integrating multi-source data and 3D modeling technology application; the first enterprise initiating digital 3D real-time virtual restoration technology in the field of cultural heritage protection; initiating and supporting unit of Professional Committee of Cultural Heritage Protection of Chinese Society for Geodesy Photogrammetry and Cartography; boasts international first-class low-altitude visual aeronautical chart standardization mapping technology and airport flight program design software system.

Innovation Advantages

Digsur company adheres to the development philosophy of occupying the commanding heights of technology through innovation. It has obtained over 30 awards in surveying and mapping geographic information industry, including two first prizes (2018, 2016) and two second prizes (2018, 2017, 2015) by Chinese Society for Geodesy Photogrammetry and Cartography, China Science and Technology Innovation Excellent Unit Award, first prize of science and technology progress by China Association for Geographic Information System (2018), one national Top 10 Wenbo Technology Product Award(2015); 5 utility model patent certificates and 19 software copyrights.

Team Competitiveness

- A professional team with high-educated and young members.
- In December 2017, Digsur R&D institute was established, and over 20 well-known experts home and abroad were absorbed to the expert database.
- In April 2019, Digsur Association of Science and Technology was established.
- In September 2019, Digsur academician workstation was established.



Certificate of Solid Mineral Exploration Qualification (Class-B)



Certificate of Surveying and Mapping Qualification (8 Class-A Certificates)



Certificate of Solid Mineral Exploration Qualification (Class-B)

[Note] There are totally 10 national surveying and mapping qualifications, among which, We possess 8 Class-A and 1 Class-B, ranking high in the industry.

飞行程序设计单位备案信息公布表 (2)

序号	地区	单位名称	注册地址	成立时间	企业法人联系人
1	东北	沈阳广通测绘设计有限公司	沈阳市大东区小北河街2号天弘广通测绘设计有限公司	2008/3/1	李强 孙向东
2	华北	北京广通测绘设计有限公司	北京首都机场一号航站楼内广通测绘	1993/5/21	董家刚 董卫平
3	华北	北京广通测绘设计有限公司	北京首都机场一号航站楼内广通测绘	2011/11/14	李强 孙向东
4	华北	北京广通测绘设计有限公司	北京首都机场一号航站楼内广通测绘	2004/1/1	董家刚 董卫平
5	华北	北京广通测绘设计有限公司	北京首都机场一号航站楼内广通测绘	2008/1/11	李强 孙向东
6	华北	北京广通测绘设计有限公司	北京首都机场一号航站楼内广通测绘	2014/7/21	白立峰 吴志强
7	华北	北京广通测绘设计有限公司	北京首都机场一号航站楼内广通测绘	2011/1/5	刘天福 刘强

Unit Filing Flight Procedure Designs



Business License for Civil Unmanned Aerial Vehicle Driving

01. Overview of Digsur Company Company Branches

- One wholly-owned subsidiary;
- 20 branch offices;
- Business across the country.



Beijing Digsur



Zhejiang Digsur



Guangxi Branch



Xi'an Branch



(The map was download through website of Ministry of Natural Resources of the People's Republic of China)

01. Overview of Digsur Company

Awards



First Prize for Surveying and Mapping Science and Technology Progress by Chinese Society for Geodesy Photogrammetry and Cartography (2018)



First Prize of Geographic Information Technology Progress by China Association for Geographic Information System (2018)



First Prize in Surveying and Mapping Technology Progress by Chinese Society for Geodesy Photogrammetry and Cartography (2016)



Technology Innovation Excellent Unit Award by Chinese Society for Geodesy Photogrammetry and Cartography (2018)



Second Prize in Surveying and Mapping Technology Progress by Chinese Society for Geodesy Photogrammetry and Cartography (2018)



Second Prize in Surveying and Mapping Technology Progress by Chinese Society for Geodesy Photogrammetry and Cartography (2017)



2018 Second Prize in Surveying and Mapping Technology Progress by Chinese Society for Geodesy Photogrammetry and Cartography



Special Award for Surveying and Mapping Technology Progress by Beijing Society of Surveying and Mapping (2018)

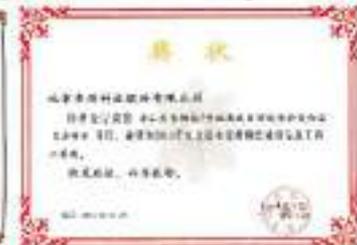
Excellent Engineering Bronze Award by China Association for Geographic Information System (2019)

First Prize of Geographic Information Engineering by Beijing Society of Surveying and Mapping (2018)



Surveying and Mapping Technology Progress Award by Beijing Society of Surveying and Mapping (2018)

Excellent Engineering Award by Beijing Society of Surveying and Mapping (2018)





Establishment of Professional Committee for Cultural Heritage Protection of Chinese Society for Geodesy, Photogrammetry and Cartography (Digsur is the supporting unit)



Establishment of Digsur Association of Science and Technology



Standing Council Unit of Beijing Land Science Society



Establishment of Digsur R&D institute

01. Overview of Digsur Company International Communications



ISPRS International Academic Conference



Technology and Application Exhibition in United Nations World Geospatial Information Congress



ISM International Academic Conference



Visited Africa



Visited Southeast Asia



Experts from International Society for Photogrammetry and Remote Sensing visited Digsur

领域	服务种类	可提供的技术服务项目
大地 测 量	CORS站建设	站址勘选、建站及其维护
		基准站施工与设备调试
		航空、航天、靶场和大型设备安装等陆海空精密工程测量项目技术服务和解决方案
	快速精确定轨	卫星地面系统测控站
		天线点位及方位标大地测量

Advantages:

- ◆ Boasts a first-class operation team, exquisite technologies and rich experiences.
- ◆ Provides technical services and solutions to precision engineering measurement projects related to land, sea and air including aviation, aerospace, shooting range and large equipment installation.
- ◆ Provides excellent services of “high standards, high precision and high quality” to users domestically and abroad.

1. Outdoor Antenna



2. Standard Appearance



3. Site appearance



4. Equipment integration



Building Diagrams of Base Station

From 2006 to 2008, Digsur company participated in the selection, construction and maintenance of such national benchmark stations as Yongshu Reef, Yongxing Island, Handan, Fuyang, Huludao Island, Yanqing, Lanzhou, Qingdao, Kunming, Xi'an, Guangzhou, Beihai, Wuqing, and other 41 site work, initiated by the "China's Tectonic Environment Monitoring Network" project, accumulated a wealth of experience in building sites.

Engineering construction advantage on CORS station



Partial Installation Diagrams of Installation Site

From April 2015 to December 2015, Digsur company participated in the construction and equipment commissioning of 63 base stations in 18 cities in the "Hebei Beidou Ground Reinforcement System" project.

Completed the national key project of “the Belt and Road” rapid fine track system



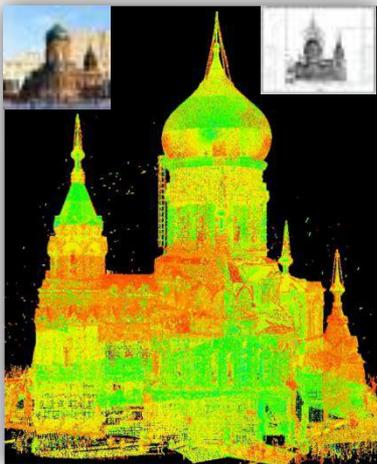
Schematic Diagrams of High Tower Antenna Measurement

In April 2018, Digsur company completed the geodetic surveying of "Pakistan Remote Sensing 1 satellite ground system monitoring station Karachi, Islamabad station antenna point and its position landmark" in “the Belt and Road” , the significant national project.

领域	服务种类	可提供的技术服务项目
文化遗产保护与利用	文物保护	三维数字化信息留存（三维激光扫描、近景摄影、高光谱成像）
		虚拟修复设计
	管理系统	文物数据管理系统、藏品出入库管理系统
		文物虚拟修复设计平台
		博物馆室内定位导览系统
	展示应用	VR虚拟现实、AR增强现实
		全息投影、全景展示
		3D打印产品、文创产品设计
		科学文化传播

Advantages:

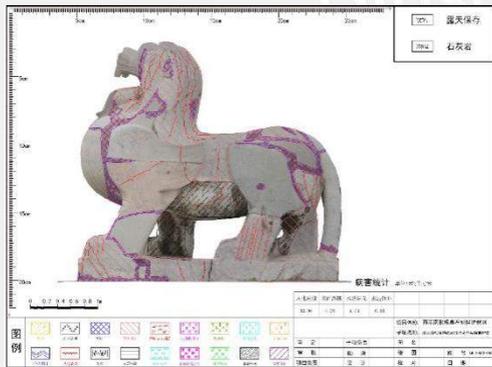
- ◆ Leads the country in the field of quantitative virtual restoration of cultural heritage, refined information retention, and diversified digital expression.
- ◆ Has signed long-term cooperation agreements with 20 institutions such as Chinese Academy of Cultural Heritage and the Palace Museum; long-term cooperation with over ten colleges including Beijing University of Civil Engineering and Architecture and Wuhan University.
- ◆ The affiliated unit of the Professional Committee of Cultural Heritage Protection of Chinese Society for Geodesy Photogrammetry and Cartography.



Reverse Engineering of Sofia Church



3D Model Reserve of Potala Palace



Cultural Heritage Health Monitoring and Disease Analysis



VR Display of Yuanjue Cave in Chongqing Dazu Rock Carvings



Smart Museum System



Cultural and Creative Products Design

领域	服务种类	可提供的技术服务项目
与 智 慧 城 市 时 空 大 数 据	时空大数据 软件平台	空间数据采集、数据整理整编
		数据建库、数据管理
	地理信息系统	智慧城市、精准农业、智慧社区
		地下管网探测与系统集成
	办公与业务系统	企业服务系统
		行政办公系统

Advantages:

Digsur boasts a time and space information cloud platform with **independent intellectual property rights** and authoritative map data. It has completed such projects as smart pipe network, smart agriculture, and smart community. It implements a map support platform project for time and space information of Beijing Future Science City. This project is a typical demonstration application project of smart city and boasts high promotion value.



Time and Space Information Cloud Platform



Multi-regulation



3D Display of Street View



Smart Pipe Network Information System



Smart Agriculture Big Data Platform



Government Information System

领域	服务种类	可提供的技术服务项目
自然资源调查与监测	自然资源调查	自然资源基础调查
		“山水林田湖草”专项调查
		自然资源和不动产确权登记
	自然资源监测	自然资源常规监测、精细监测、应急监测
		国土空间变化监测
		地质灾害动态监测与评价

Advantages:

Digsur company possesses professional teams in aerial photography、remote sensing data processing, automatic monitoring and geology investigation to realize the information acquisition, data analysis, disaster assessment, forecasting and early warning of integrated air-space-ground geological disasters. We presided over such projects as the land confirmation registration project, the third national survey project, the landslide monitoring and evaluation, and the construction and construction safety operation monitoring over many counties and cities across the country.



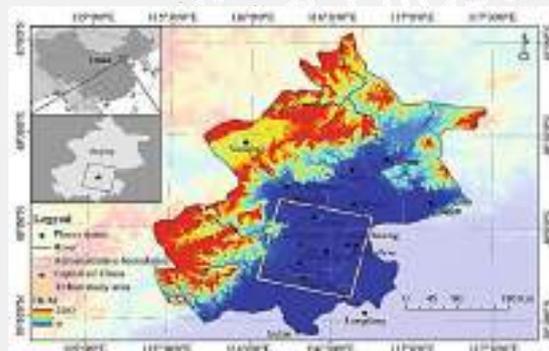
Geological Disaster Monitoring



The Third Land and Resources Survey



Xinjiang Hetian Rural Cadastral Survey



In SAR Technology Surface Settlement Analysis



Outcome of project on the third second national land survey in Otog Banner



Xinjiang Hetian Rural Cadastral Survey

领域	服务种类	可提供的技术服务项目
建设工程	规划设计阶段	地质勘察、物探、地下管线测量、无人机摄影测量
		普通工程测量、精密工程测量、房产测量、地籍测量
		土地规划、多规合一系统集成
	施工建设阶段	施工放样、变形监测、竣工测量
		工程测量监理、不动产测绘监理
	运维管理阶段	建（构）筑物变形监测
		设备检测与调校
		基础设施管理信息化系统

Advantages:

- ◆ Complete business and qualifications, covering three stages of construction engineering geological survey, engineering survey, building (structure) health monitoring, data analysis, system integration etc.
- ◆ Advanced technical equipment and professional teams. Awarded with numerous outstanding engineering awards and is leading the technology in the field of automatic monitoring.



Astana, Kazakhstan
Subway Engineering Survey



Potala Palace Drone Photography Control
Measurement



Mentougou Control Point Measurement



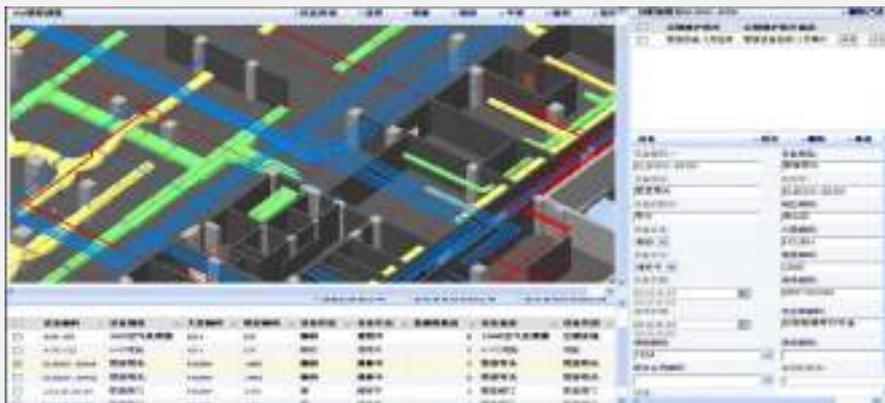
Construction Monitoring of Pumei Railway in
Fujian and Guangdong



Beijing Metro Engineering Survey



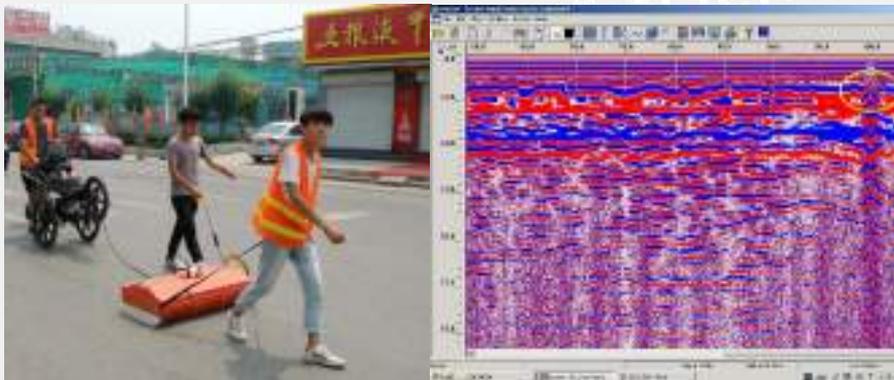
Deformation Monitoring of Viaduct in
Changping District



Underground Pipe Network Information System



Underground Pipeline Exploration



Road Disease Detection and Analysis



Shichuang Building Foundation Pit Exploration



Jiuhua Hot Spring Geological Exploration Drilling

领域	服务种类	可提供的技术服务项目
与飞行程序设计 测绘航空摄影	测绘航空摄影	有人机航空摄影：垂直摄影、倾斜摄影、激光雷达点云获取
		无人机航空摄影：垂直摄影、倾斜摄影、激光雷达点云获取
		三维建模与4D产品制作、各类专题图制作
	飞行程序设计	军/民航飞行程序设计、通用机场建设咨询
		机场建设工程选址、导航台选址
		空域及航线规划、机场净空与建筑物航行评估
	低空目视航图	通航产业园规划、飞行程序设计软件研发
航空形势图、目视飞行航图编制		
		行业规范及图式编制

Advantages:

An excellent team in the air surveying and mapping navigation system; maintains a good corporative relationship with the Central Committee of the Military Commission, the National Air Traffic Control Committee, and the air force and civil aviation management bureaus of various theaters; strong advantages in airspace application and aircraft dispatch; equipped with international advanced digital aerial camera and domestic advanced multi-type drone.

Aerial Photography



Beijing aerial photography special - aerial photography in 2016, 2017, 2018 for three consecutive years



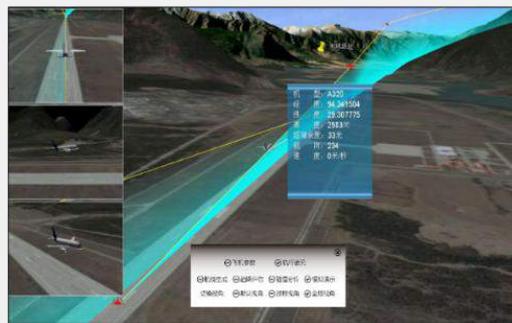
Potala Palace Building Group Drone Photography

Designs of Flight Procedure

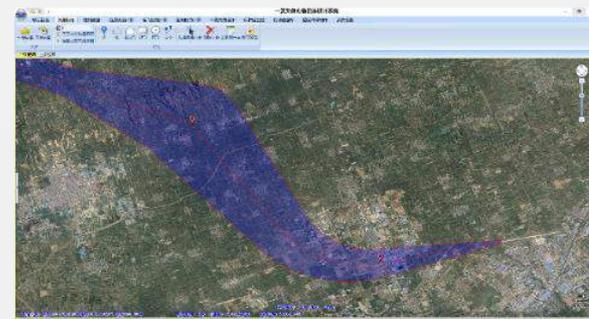
Services to dozens of airports including in Yanliang, Yaohu, Yuncheng and Luohe; designed special flight procedure ; provided simulated flight verification for cutting-edge military and civil aviation aircraft including J-20, Yun-20, H-6K, AG-600 and C-919.



PNB Flight Procedure Designs



Flight Procedure Simulation Verification

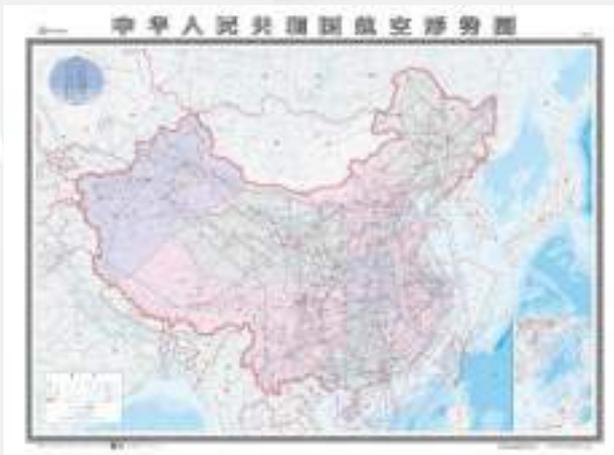


Aircraft Flight Performance Analysis

Low-altitude Visual Aeronautical Chart



Visual Flight Chart Specification Procedure



1:3million Aviation Situation Map of People's Republic of China



1:250,000 Training Map of Army Aviation Tongzhou Airport Base

Thanks!

Beijing Digsur Science and Technology Co., Ltd.