



SuperMap

SuperMap Web mapping Series Webinar

Kenya

18th – 20th May 2022



What to expect in this Webinar!

- Introduction to SuperMap and it's products
- Obtaining open spatial data(Raster and Vector)from the web.
- 2D Cadastral mapping using SuperMap iDesktop (PC, Linux)
- Publishing spatial data in local spatial server(iServer)
- Modifying spatial data on the web map with open layers(JavaScript)

Company Introduction

- **SuperMap was founded in 1997, focusing on research, development and application services of GIS related software Technology.**
- **SuperMap has now the third largest share the global GIS market, while the first largest share in Asian GIS market(from ARC advisory Group.)**
- **Now, SuperMap ranks first in Chinese GIS market, and has developed distributors and partners in over 50 countries and SuperMap GIS end users in over 100 countries.**

SuperMap GIS Technology System

SuperMap GIS 10i(2020) Technology System

 SuperMap
(BitDC)

SuperMap GIS 10i(2020)

Big Data GIS

AI GIS

Three Dimension GIS

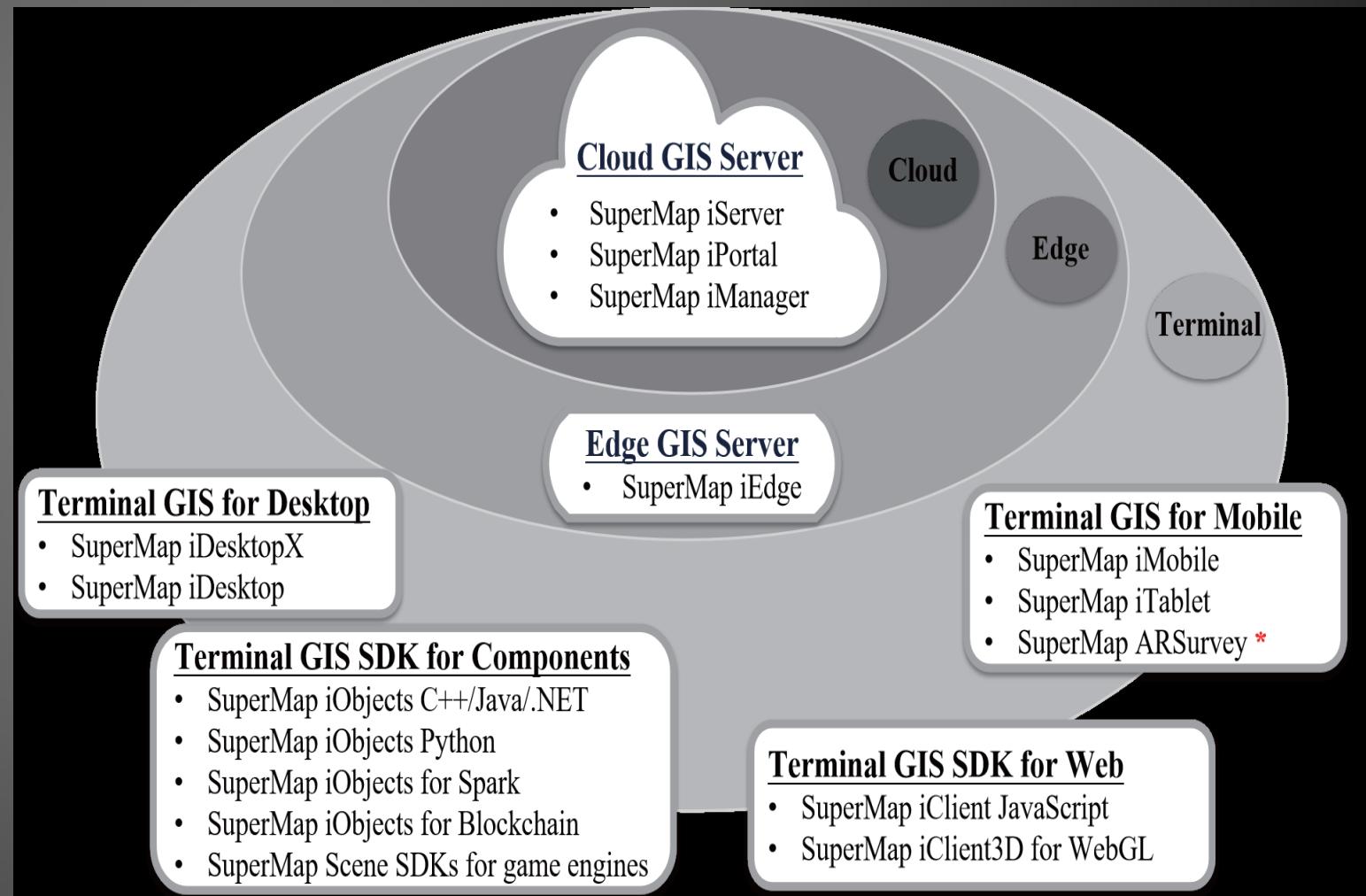
Distributed GIS-Cloud, Terminal & Mobile

Cross Platform GIS-iMobile, Windows, Linux

PRODUCTS

SuperMap product lines 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 platforms.

- **iDesktop:** Full featured customized Desktop GIS
- **iDesktopX:** Full-featured Customizable Cross-platform Desktop GIS
- **iObject:** Full featured Components GIS SDKs
- **iTablet:** Native App for Mobile GIS(Android & iOS)
- **ARSurvey:** AR field surveying tools for mobile GIS
- **iPortal:** Portal for Cloud GIS
- **iServer:** Full-featured Application Server for Cloud GIS
- **iClient:** Web GIS APIs for Browsers(JavaScript)
- **iManager:** Operation Manager for Cloud GIS
- **iEdge:** Server for Edge Computing GIS



Opportunities to Students

- Free training of students on SuperMap Products
- GIS Contests held every year where outstanding students are given:
 - Cash rewards
 - Certificates
 - Internship opportunities
- Trial licenses on SuperMap products for a beginning period of 3 months.
- Technical support in installation and deployment of software.
- Industry Level Skill

GIS Services & Industry Applications of SuperMap

GIS Services

Map Services

Map browsing, zooming, panning
Map measurement, map query
Thematic mapping



Data Services

Query on datasources and datasets
Online editing (addition, deletion and modification) on datasets



Spatial Analysis Services

Clip, erase, delete, identity, intersect, union, update, XOR for geometric objects and datasets
Buffer analysis, spatial relation, linear referencing
Extract contour lines



Network analysis services

Optimal path analysis, travelling salesman analysis, multiple travelling salesmen analysis
Service area analysis, location-allocation analysis
Closest facility analysis



GIS Services

Traffic Transfer Analysis

- Traffic transfer scheme analysis
- Bus stop query



Address Matching Services

- Query places with address keywords,
- query places with position information



3D/Network Analysis Services

- 3D data publishing
- 3D data query
- Network analysis



Geometry Services

- With no need of map/data services
- Measure area, distance, and transform coordinates



Role of SuperMap in the industrial chain

Application Software

Great wisdom

Large resources

Environment

Agriculture, forestry, ocean

Industry and commerce,
taxation and health

Transportation, education,
culture

Safety supervision, civil
affairs, customs
Public security, emergency,
earthquake

Petroleum and petrochemical
industry

Water, gas, Airport

Bank, insurance, tobacco

Logistics, plant area and
mining area

Telecommunications, electricity

Great national defense

Military

Enterprise

GIS Platform Software

GIS Platform

Data

Remote
Sensing
Image

2D Map

3D Map

Street View
Data

Oblique
Photogrammetry
Data

Laser Point
Cloud

3D Special Effects



Traffic Monitoring Based on AI

SuperMap

实时视频AI识别展示平台
Real-time AI Video Recognition Platform

00:00/01:01

数据统计

类别	数量
人员	2
自行车	0
车辆	8
摩托车	0
公交车	0
卡车	0

违法统计

类别	数量
机动车	0
非机动车	0

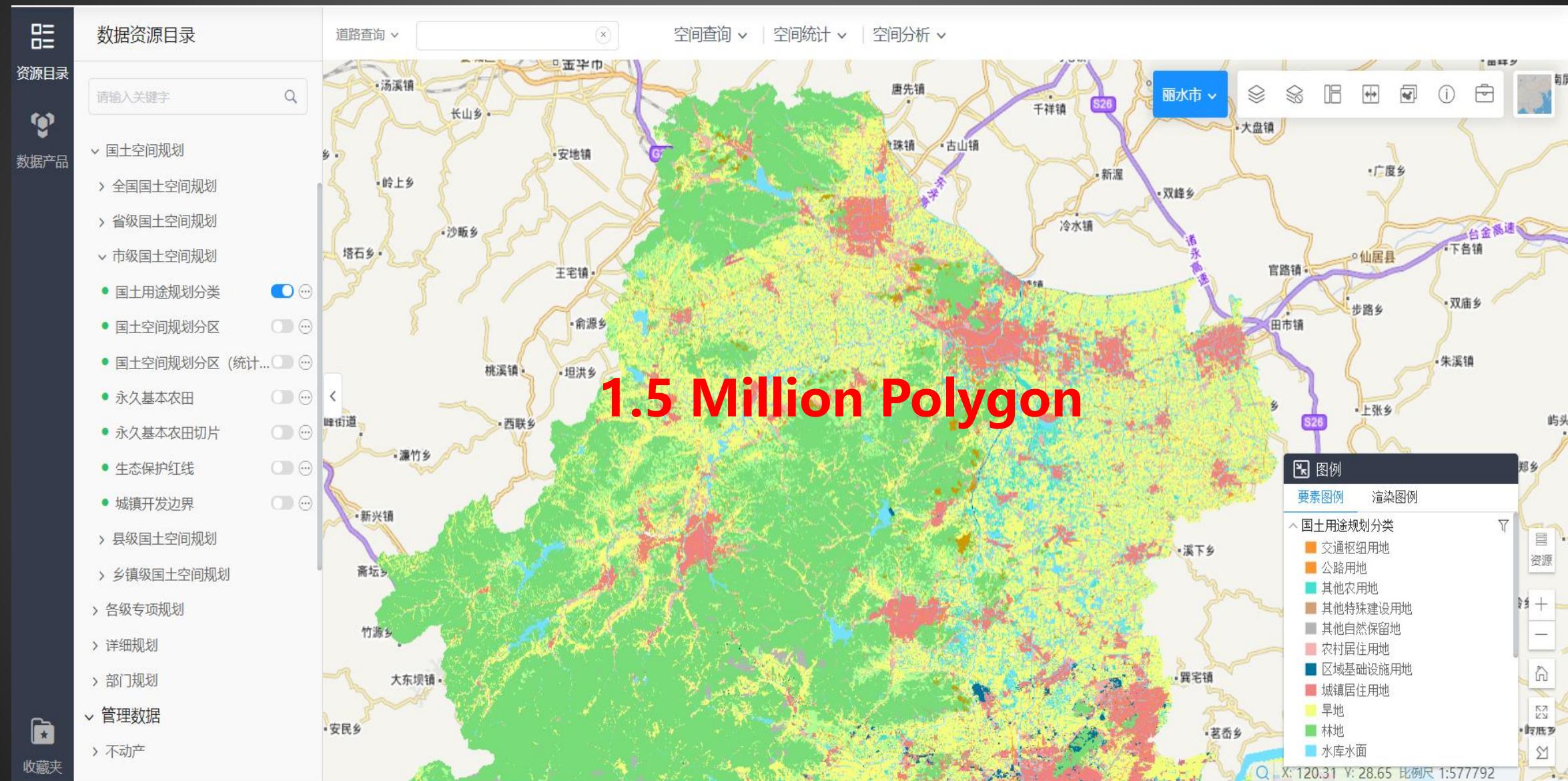
监控

- camera1 (酒仙桥北路与驼房营路路口)
- camera2 (国家图书馆)
- camera3 (方园西路与万红西街路口)
- camera4 (花家地街与阜通东大街路口)
- camera5 (姜庄路与望京西路路口)

SuperMap Cases

Overlay Map Project for Ministry of Natural Resources in China

SuperMap





- Select
- Measure Distance
- Measure Area
- Clear Content
- Full Extent
- Quick Search

☰ Query

Landuse

Building

osm_id: 6725692

code: 1500

fclass: building

name:

type: industrial

Add

Delete

SuperMap

Area: 111301069.09m²

Landuse ▾ Join Contest Questions?, Contact

Query

Landuse

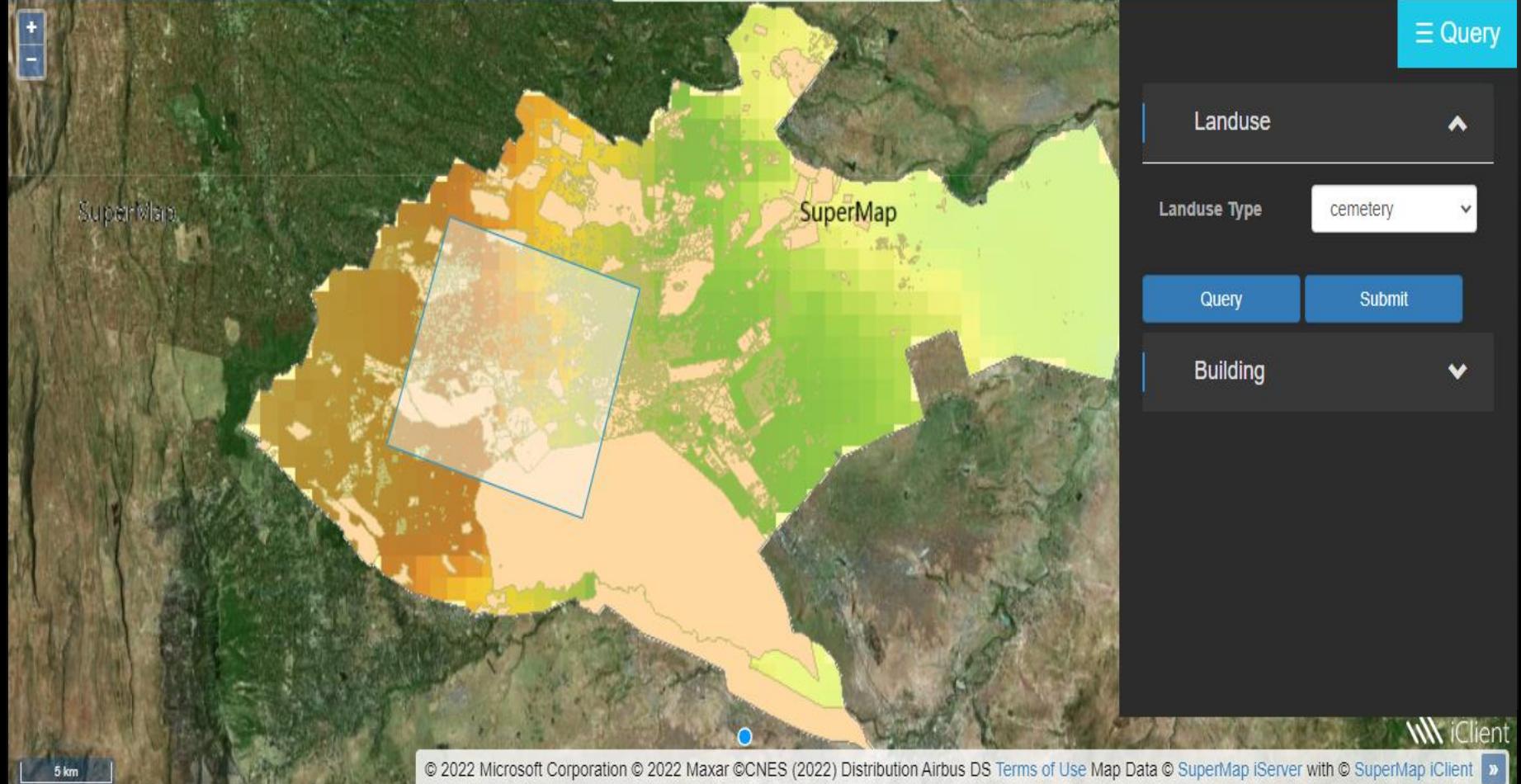
Landuse Type cemetery

Query Submit

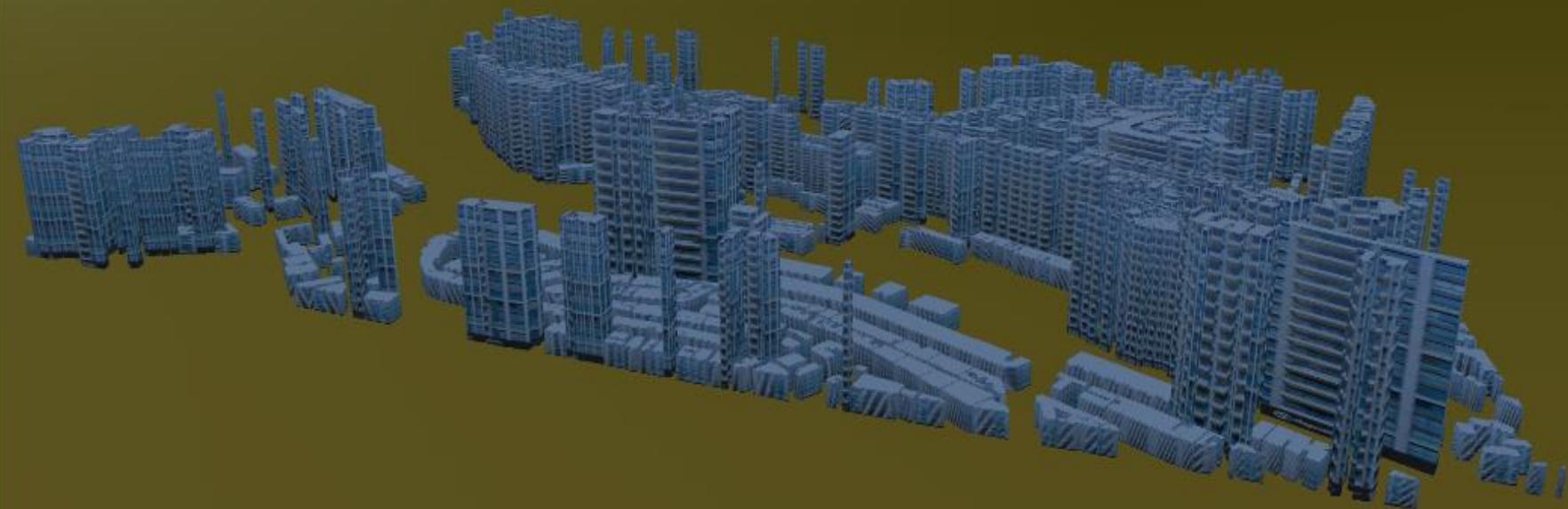
Building

5 km

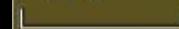
© 2022 Microsoft Corporation © 2022 Maxar ©CNES (2022) Distribution Airbus DS Terms of Use Map Data © SuperMap iServer with © SuperMap iClient »



Nairobi CBD Cadastral Project



302 m



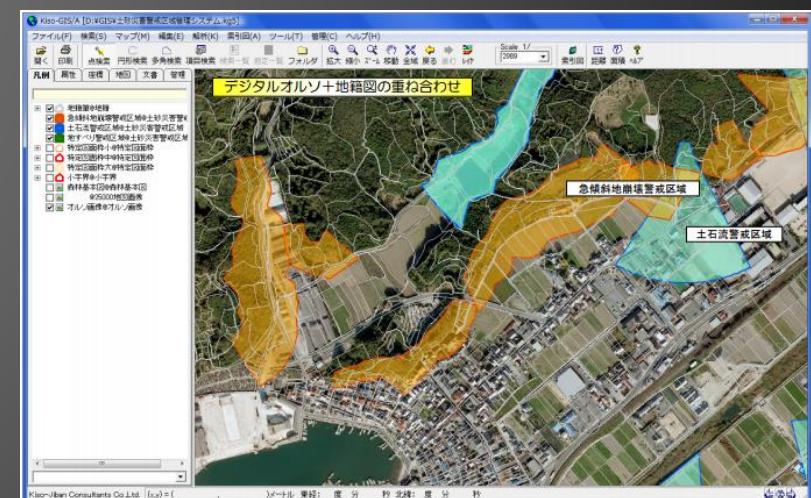
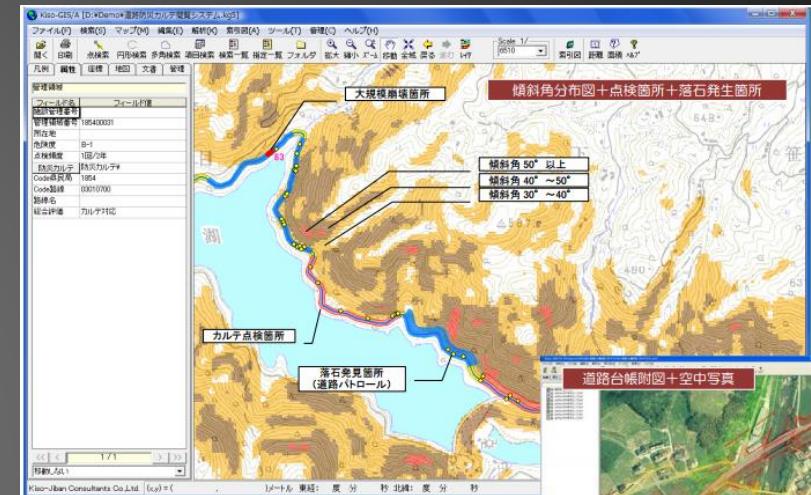
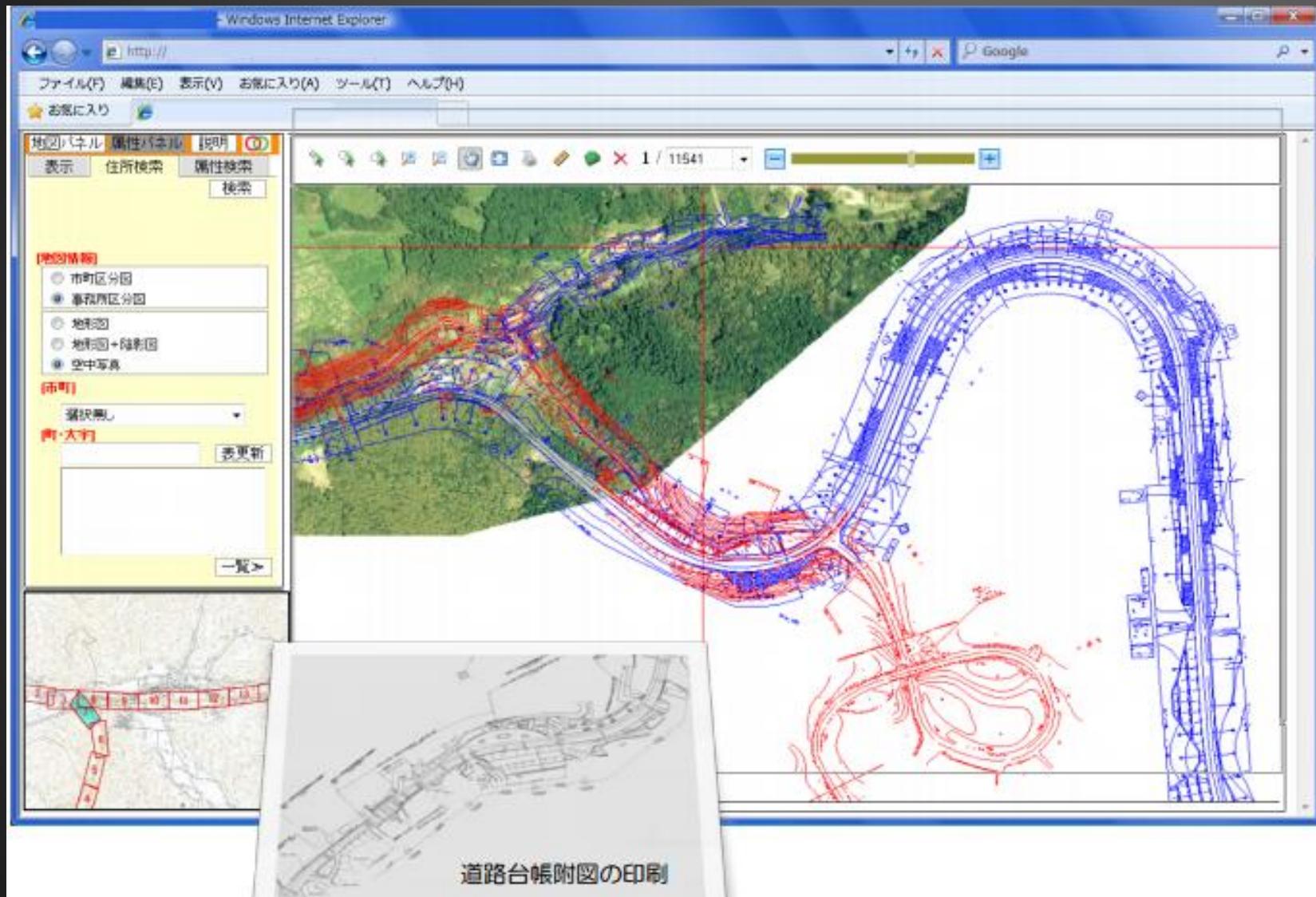
E 36°48' 32.15"

S 1°16' 9.15"

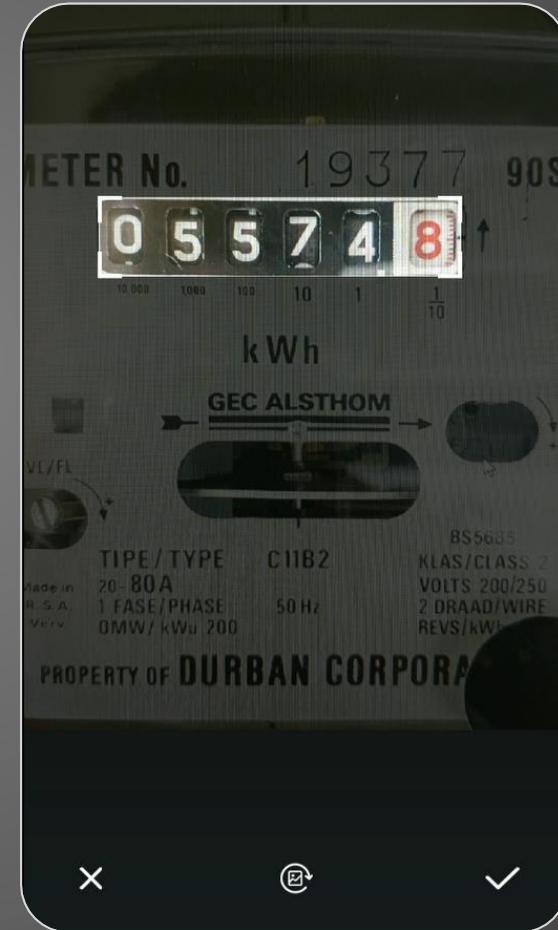
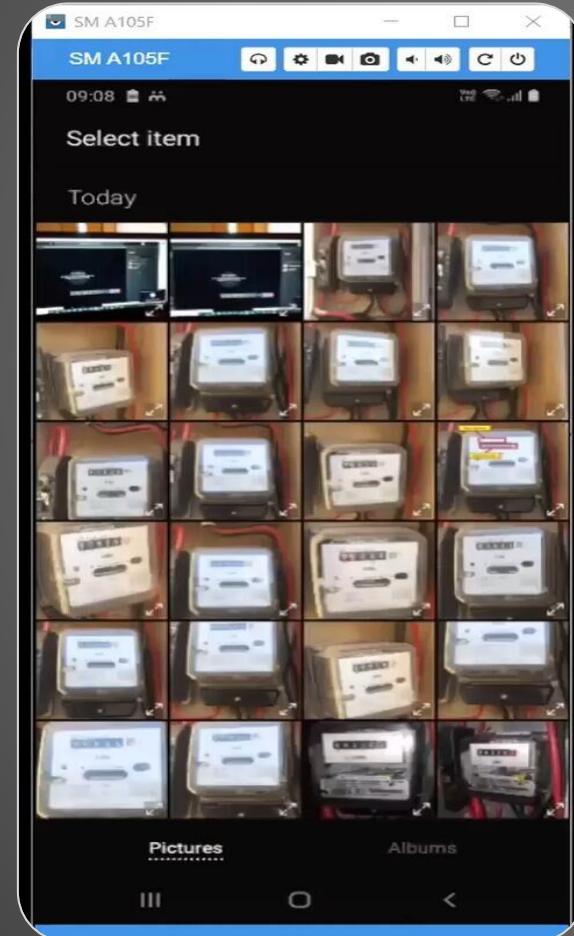
Altitude 0.00 m

Copyright 2020 SuperMap
Camera Alt 2.05 km

Road Management Platform from Japan



AI detection of water meter in South Africa



User Cases

- Municipality GIS for Nyköping, Sweden 
- GeograFIKS Business Decision Support System, Sweden 
- Underground Pipeline System, Germany 
- Housing Decision Support System, Malaysia 
- Thailand Tourism Mapping System, Thailand 
- Population Service System for Seoul, South Korea 
- Forest Disaster Management System, South Korea 
- Mountain Development Support System, Cuba 
- National Police GIS, Mauritius 
- Land Property Management System, Egypt 
- Epidemic Surveillance System, Laos 
- Urban Planning System, Turkey 
- Disaster Emergency Management System for Tokyo Government, Japan 
- Railway GIS System for JR East Railway, Japan 
- Global IoT Management System of HITACHI, Japan 
- Road Management System for Yamanashi Prefecture, Japan 
- One Map of Ground Strength of National Residence, Japan 

日本スーパーマップ株式会社 SuperMap Japan Co., Ltd.

SuperMap Japan Co., Ltd. was established in 2000. With 18 years developing, SuperMap Japan already has more than 1000 formal customers and rapidly rises to the top5 of the Japanese GIS market.

Global IoT Management System of HITACHI has been in running for 12 years.
日立全球物联网管理系统，已运营12年。



Yamanashi Road Management System is a true embodiment of IOT application which including the management of roads, bridges, tunnels, etc.

山梨道路台账管理系统涵盖对道路、桥梁、隧道等的管理，是物联网应用的真实体现。

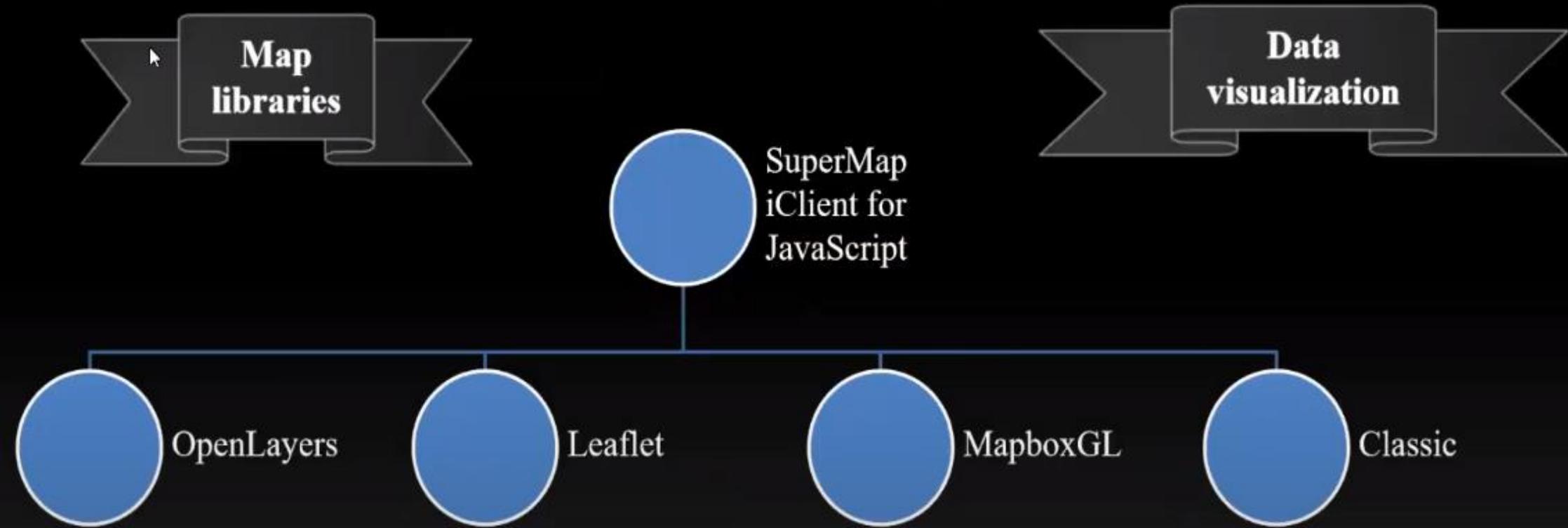


The One Map of Ground Strength system contains over one million points of ground basic information of whole Japan and provides real-time and stable services for the construction industry and emergency disasters.

地耐力日本全国一张图系统包括超百万地盘基础信息，为建筑业和应急灾害提供实时稳定的服务。



SuperMap iClient for JavaScript Introduction



How to select map libraries

Indicator	Map base libraries and corresponding open source libraries			
	for Leaflet	for OpenLayers	for MapBoxGL	iClient Classic
	Leaflet	OpenLayers 3/4	MapBoxGL	OpenLayers 2
Whether closed-source risk exists	No	No	No	No ↗
Advantages	Abundant lightweight plugins	HTML5OL-Cesium	Display effects of MVT vector tiles	Large user base, high stability
Disadvantages	Plugin stability	heavyweight and less plugins	3857 coordinate system supported only	Framework out of date
Performance	High	Medium	High	Low
Stability	High	Medium	Medium	High
Extensibility	Perfect	Good	Bad	Good
Community activity	Stars	19,763	2,988	2,275
Software maturity	High	Medium	Medium	General
Community ecological chain	Perfect	Good	Starting stage	Good
Learning cost	Medium	High	Medium	High

SuperMap GIS 10i

SuperMap GIS 9D

iObjects



iClient

Online Help ◦ 10i(2021) *New!*

◦ 10i(2020) SP1



Name	Type	Size	Download
SuperMap iClient Javascript		74M	
SuperMap iClient3D for WebGL		102.88M	

◦ 10i(2020)



◦ 10i SP1



◦ 10i



iMobile



iDesktop

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◦ 10i(2021) *New!*

▼

◦ 10i(2020) SP1

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Name	Type	Size	Download
SuperMap iDesktop SampleData		1.55G	⬇
SuperMap iDesktopX	win64	3.01G	⬇
SuperMap iDesktopX	win64-bin	2.39G	⬇
SuperMap iDesktopX	linux64-bin	2.16G	⬇
SuperMap iDesktop	win32	1.88G	⬇
SuperMap iDesktop	win32-bin	757.91M	⬇
SuperMap iDesktop	win64	2.03G	⬇
SuperMap iDesktop	win64-bin	880.25M	⬇

SuperMap GIS 10i

SuperMap GIS 9D

iServer

◦ 10i(2021) *New!*

◦ 10i(2020) SP1



Name	Type	Size	Download
SuperMap iServer	win64	3.95G	
SuperMap iServer	win64-setup	4G	
SuperMap iServer	win64-realspace-deploy	388.94M	
SuperMap iServer	win64-mapping-deploy	590.4M	
SuperMap iServer	win64-deploy	1.31G	
SuperMap iServer	win64-datastore	510.65M	
SuperMap iServer	win64-analysis-deploy	536.11M	
SuperMap iServer	war	4.66G	
SuperMap iServer	linux64	3.95G	
SuperMap iServer	linux64-realspace-deploy	452.27M	
SuperMap iServer	linux64-mapping-deploy	675.74M	



Thank You !