"GIS-Sofia" Ltd. – geospatial data integration in SOFCAR geographic information system and providing services
“Geographical Information System – Sofia ” Ltd.

...the beginning...

Established in 1999, as a Sofia Municipality company with main function digitalization of all cadastral and regulation plans of Sofia Municipality taken by the archives of the Department of Architecture and Urban Planning.
“Geographical Information System – Sofia “ Ltd.

... 19 years later...

One of the largest surveying companies in Bulgaria, with the purpose of creation, maintenance and management of the cadastral information system SOFCAR, incl. regulation and construction plans on the territory of Sofia Municipality.

A working and unique of its kind information system, with our own copyright.

Access to spatial information services for taking the informed decisions in planning, exploring, designing and managing for different needs (spatial planning, building construction etc.) can be done by means of the SOFCAR information system.
Our main goal is to provide quality services in the field of geodesy, cadastre, spatial planning, and geographic information systems.

Our mission is to facilitate the users providing easy and convenient access to the needed spatial information.

Main priorities in our work are completeness, relevancy, accuracy, reliability and availability of the data.
SOFCAR is a Geographic Information System of the cadastral, regulation and construction plans on the territory of Sofia Municipality.

Desktop application for Windows, based on Microsoft.40 technology, created to support the work of Sofia Municipality with geospatial data in decision-making in site of spatial planning and in municipal property management.
INFORMATION LAYERS:

- Administrative boundaries
- Cadastre
- Regulation
- Construction plans (*building development*)
- Spatial plans
- Agricultural land
- Ownership
- Addresses
- Photogrammetry
- Cartography
- Underground ducts and facilities
- Specialized data base for Sofia Municipality *for different purposes and tasks*
- Cultural monuments
- Movable objects, advertising panels
CHARACTERISTICS OF THE SOFCAR INFORMATION SYSTEM

- Integrating data from different sources of information
- Modern Information Technologies
- Personal working space
- Modular system allocation
- Open Source data base – PostgreSQL 9.5 + POSTGIS21
- Opportunity for continuous improvement
- Convenient and easy interface
Conference and plenary meeting of the Permanent Committee on Cadastre in the European Union

Data as a basis of the digital society

13-15 March 2018, Sofia
Conference and plenary meeting of the Permanent Committee on Cadastre in the European Union

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13-15 March 2018, Sofia

CADASTRE AND SPATIAL PLANNING  CARTOGRAPHY  PHOTOGRAMMETRY  SOFCAR  ISOFMAP  PHOTOMOD  TRAINING

SELECTION OF DIFFERENT MODELS OBJECTS

Adm. район: "Красно Село"
Местн. по регуляция: "Красно село-пловдивски канал-север".
Квартал: 313
УПИ: VII - 124
Предназначение: За жилищно строителство
Устройствен зон: Полезен за застройването (%): 100%
Минимална площ (м²): 20
Ката коявник: Вид: Частна собственост
Източник на данните: Регуляционен план в шифров вид
Заповед за изменение:
Площ по УПИ (м²): 1049
Допустима точност (м²): 25
Предназначение на устройствената зона:

Информация

Инф. 68134.207.124

Източник

Адресът на лицето: гр. София, пъл. 1006, бул. Цар Симеон II, 83-85
Тип на документ: Личен документ
Тип на собственост: Частна собственост
Описание на документа: № 157 гр. София

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SOURCES OF INFORMATION:

- Department of Architecture and Urban Planning
- The district administrations of Sofia Municipality
- Ministry of agriculture, food and forestry
- Operating companies
- Owners and investors
- Surveying measurements
- Photogrammetry and remote sensing
iSofMap is an Internet application for access to the digital cadastre of Sofia Municipality

Public access to cadastral and spatial information data on the territory of Sofia Municipality, held and maintained in the company. Web based map for free of charge inquire - viewing, plugging and overlaying a variety of layers of information.
Data as a basis of the digital society

CADASTRE AND SPATIAL PLANNING | CARTOGRAPHY | PHOTOGRAMMETRY | SOFCAR | ISOFMAP | PHOTOMOD | TRAINING

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13-15 March 2018, Sofia

Cadastral map, regulation plan and associated attributes
General urban (development) plan, regulation plan and associated attributes
<table>
<thead>
<tr>
<th>Атрибут</th>
<th>Стойност</th>
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</thead>
<tbody>
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<table>
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<th>Вид на заповедта</th>
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</thead>
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<table>
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<th>Площ, определена от ЦМ (кв. м.)</th>
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</tr>
</thead>
<tbody>
<tr>
<td>Адрес</td>
<td>с. Клисура, район Баня, ул. СТАРО СЕЛО № 1</td>
</tr>
<tr>
<td>Местност</td>
<td></td>
</tr>
<tr>
<td>Предназначение</td>
<td>Урбанизирана</td>
</tr>
<tr>
<td>Вид собственост</td>
<td>Частна</td>
</tr>
</tbody>
</table>
FULLY COMPLETED SERVICE CYCLE

2006
2006
2008
2011

construction and regulation plan

development zones
change of the regulation plan
LEADING (MAIN) PROJECTS

- Map of the centers of the Social Activities Directorate of Sofia Municipality
- Cross profiles of rivers
- A strategic noise map of Sofia
- Electronic register of architectural documents
- Electronic register of the municipal property acts
- Electronic register of pets - dogs
- Detailed plans
- Specialized maps
- Projects for amendments of the cadastral map and cadastral registers
Data as a basis of the digital society

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CADASTRE AND SPATIAL PLANNING | CARTOGRAPHY | PHOTOGRAMMETRY | SOFCAR | ISOFMAP | PHOTOMOD | TRAINING

Map of the localization centers of the Social Activities Directorate (Department)

Strategic noise map of Sofia
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CADASTRE AND SPATIAL PLANNING | CARTOGRAPHY | PHOTOGRAMMETRY | SOFCAR | ISOFMAP | PHOTOMOD | TRAINING

Map with the location of sirens for warning of the population

Administrative maps
M 1:10 000, M 1:12 000

GIS Sofia
Map with stations for protection of the population in case of disasters or emergencies

Map of polling stations and voting sections within an administrative area
<table>
<thead>
<tr>
<th>CADASTRE AND SPATIAL PLANNING</th>
<th>CARTOGRAPHY</th>
<th>PHOTOGRAMMETRY</th>
<th>SOFCAR</th>
<th>ISOFMAP</th>
<th>PHOTOMOD</th>
<th>TRAINING</th>
</tr>
</thead>
</table>

*Data as a basis of the digital society*

Conference and plenary meeting of the Permanent Committee on Cadastre in the European Union

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Maps on separate squares in Sofia /ordered by the Security Directorate/

Map with places for walking pets
Green zones for cleaning and mowing

Preventive-Victimological Map
/upon assignment of Metropolitan Directorate of the internal affairs/
Street network, distributed as adjacent to the nearest school for first grade admission
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CADASTER AND SPATIAL PLANNING  CARTOGRAPHY  PHOTOGRAMMETRY  SOFCAR  ISOFCAP  PHOTOMOD  TRAINING

- Orthophotoplan
- Digital Terrain Model (DTM)
- Topographic map
- 3D view
- Stereo vectorization
Conference and plenary meeting of the Permanent Committee on Cadastre in the European Union

Data as a basis of the digital society

13-15 March 2018, Sofia
OTHER SERVICES AND ACTIVITIES IN GIS-SOFIA Ltd.

The most up-to-date database of addresses and renamed streets on the territory of Sofia Municipality

- parameters of roadways and sidewalks - length, width, size, type and state of pavement
- vertical signals - traffic signs and traffic lights
- anti-parking elements on streets and sidewalks
  - lamp posts
  - trash bins
  - cultural monuments
  - green spaces (zones)
  - location of advertising information elements
THE TEAM OF GIS SOFIA LTD.
Our goal is to be in service of state and municipal government, as well as private companies, citizens and guests of the capital.
THANK YOU FOR YOUR ATTENTION!